

# A Bibliography of Papers in *Lecture Notes in Computer Science* (2012): Volumes 7500–7549

Nelson H. F. Beebe  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
USA

Tel: +1 801 581 5254

FAX: +1 801 581 4148

E-mail: [beebe@math.utah.edu](mailto:beebe@math.utah.edu), [beebe@acm.org](mailto:beebe@acm.org),  
[beebe@computer.org](mailto:beebe@computer.org) (Internet)

WWW URL: <http://www.math.utah.edu/~beebe/>

14 October 2017

Version 1.01

## Title word cross-reference

#*W*[1] [554]. 2 [53].  $2\frac{1}{2}$  [225].  $2^n$  [540]. 3  
[135, 120, 214, 216, 211, 139, 110, 61, 202]. 4 [134]. <sup>2</sup> [430]. *TM* [305]. *Audi*  
[358].  $\beta$  [686].  $\delta$  [529]. *i* [684]. *k* [538, 554, 41]. *O* [358].  $O(1.89^n)$  [555].  $T_1$   
[81].

**-Biomarkers** [684]. **-D** [216]. **-DoF** [53]. **-Hard** [554]. **-Matchings** [554].  
**-Path** [538]. **-TRIMAX** [529].

**/Game** [332]. **/Therapy** [332].

**11th** [727]. **128** [704]. **12th** [712, 737]. **13th** [724]. **14th** [722]. **15th**  
[716, 717, 718]. **16th** [713]. **17th** [740]. **19th** [746].

**2** [705, 706]. **2.0** [638]. **2012** [249]. **20th** [321]. **2nd** [736].

**31st** [735]. **35th** [730]. **384-bit** [462]. **3D** [116, 47]. **3rd** [721].

**4th** [731, 720, 733].

**512** [705]. **5th** [714].

**6th** [725, 734].

**7th** [721, 738].

**8th** [745, 742].

**9th** [741, 719, 726].

= [496].

**AAI** [233]. **ABA** [618]. **Abdominal** [86]. **Abnormality** [94]. **Absolute** [90]. **Abstract** [280]. **Abuse** [16]. **Accelerated** [127]. **Acceptance** [199]. **Access** [237, 463, 245]. **Accounting** [526]. **Accuracy** [79]. **Accurate** [530]. **Achievements** [170]. **ACIVS** [722]. **ACL** [605]. **ACNS** [734]. **Acquisition** [222, 132]. **Action** [369]. **Activation** [393, 68]. **Active** [365, 213, 460]. **Activities** [202]. **Activity** [98, 68]. **Actually** [481]. **Actuator** [54]. **AD** [101]. **Adaptation** [595]. **Adaptations** [239]. **Adaption** [418]. **Adaptive** [127, 179, 94, 364, 150, 606]. **Adaptivity** [193]. **ADBIS** [713]. **Additive** [707]. **Adjusting** [219]. **ADNTIIC** [744]. **Adolescent** [124]. **Adoption** [419]. **Adults** [335, 66]. **Advanced** [470, 488, 722]. **Advances** [169, 730, 723, 744, 713]. **Adventure** [205]. **Adventures** [207]. **Adversaries** [460]. **Advertising** [574]. **Affect** [13]. **Affective** [9]. **after** [317]. **against** [472, 581, 691]. **Age** [335]. **Age-Related** [335]. **Agent** [262, 7, 742, 4, 6, 655, 608, 609, 612, 741]. **Agents** [13, 11, 602, 10, 607, 618, 623, 712, 614, 12, 620]. **Aggregate** [35]. **Aggregation** [383, 398, 161]. **Agreement** [509, 461]. **Agreements** [234]. **AI** [730, 391]. **AICI** [733]. **Airway** [145]. **Alcazar** [640]. **Alert** [473]. **Algebra** [568]. **Algorithm** [549, 543, 81, 708, 353, 55, 547, 59, 35, 681, 437, 230, 525, 445, 439, 156, 377, 656, 685, 166]. **Algorithms** [551, 345, 180, 36, 40, 181, 539, 149, 182, 528, 737]. **Aliasing** [300]. **Alignment** [30, 528, 115]. **Alignments** [176, 527]. **Almost** [702]. **alpha** [442]. **ALS-Based** [362]. **Alternating** [297]. **Alternative** [465, 70]. **Alzheimer** [65]. **Am** [137]. **AmbiLearn** [433]. **America** [736]. **Analyse** [332]. **Analysing** [529]. **Analysis** [72, 250, 112, 440, 468, 159, 658, 104, 466, 654, 636, 36, 162, 666, 161, 251, 300, 589, 203, 239, 225, 151, 4, 707, 453, 446, 715]. **Analytic** [121]. **Analytical** [37]. **Analytics** [477, 340]. **Analyzing** [479, 341]. **Anaplastic** [104]. **Anatomical** [145, 119, 139]. **Anatomy** [417]. **Ancient** [3]. **Angular**

[80]. **Animated** [20]. **Annotate** [675]. **Annotating** [224]. **Annotation** [380, 688, 323]. **Annotation-Based** [380]. **Annual** [730]. **Answer** [1]. **Answering** [645, 285, 287, 4, 275]. **Answers** [152]. **Anticipate** [614]. **Aortic** [108]. **Appearance** [13, 120, 134]. **Appearances** [119]. **Application** [173, 107, 430, 133, 163, 706, 226, 69, 629, 195, 707, 308, 148]. **Application-Level** [148]. **Applications** [351, 584, 402, 633, 340, 695, 732, 714, 275, 694]. **Applying** [187, 486, 50]. **Appraisals** [6]. **Apprentice** [2]. **Apprenticeship** [372]. **Approach** [591, 674, 572, 233, 281, 494, 468, 593, 104, 120, 402, 373, 15, 438, 245, 293, 61, 236, 148]. **Approaches** [17, 50]. **Approximability** [542]. **Approximate** [312]. **Approximation** [551, 136]. **APRIL** [365]. **Architecting** [585]. **Architectural** [197]. **Architecture** [582, 188, 664, 665, 100]. **Architectures** [187, 586, 734, 248, 406, 30]. **Argentina** [744, 743]. **Argentinization** [648]. **ArgMAS** [742]. **Arguing** [623]. **Argument** [625]. **Argumentation** [279, 278, 255, 281, 280, 626, 604, 271, 607, 617, 618, 619, 609, 620, 277, 627, 628, 629, 621, 742]. **Argumentation-Based** [627]. **Arguments** [624]. **Arithmetic** [505]. **Arm** [49]. **ARMADILLO2** [699]. **Array** [449]. **Arrays** [447]. **Arterial** [82]. **Article** [361]. **Articulated** [102]. **Articulation** [18]. **Artificial** [730, 724, 733]. **ARX** [707]. **ASM** [236]. **ASM-Based** [236]. **Aspects** [650, 432, 726]. **Assembly** [149, 164, 536]. **Assessment** [85, 431]. **Assimilating** [422]. **Assist** [50]. **Assisted** [716, 717, 718]. **Assistive** [208]. **Association** [573, 343, 453]. **Assume** [406]. **Assume-Guarantee** [406]. **Assumption** [503]. **Assurance** [220]. **Assured** [459]. **Asynchronous** [164]. **Atelic** [238]. **Atlas** [71]. **Atlases** [75, 86, 77]. **Atomic** [500]. **Atrium** [106]. **Atrophy** [67]. **Attack** [697, 706, 698]. **Attacker** [158]. **Attacks** [281, 692, 472, 705, 704, 703, 694]. **Attempt** [283]. **Attitude** [7]. **Attribute** [463, 117]. **Attribute-Based** [463]. **Attribute-Guided** [117]. **Audio** [20, 657, 14, 358]. **Audio-Visual** [657]. **Authenticated** [702, 513]. **Authentication** [449, 710, 709, 461, 160]. **Authoring** [205]. **Autistic** [5]. **Automata** [379, 297]. **Automated** [65, 1, 114]. **Automatic** [26, 645, 104, 135, 662, 227, 119, 75, 106, 480, 30]. **Automatically** [183]. **Automation** [61]. **Automaton** [296]. **Autonomous** [5, 580, 366]. **Availability** [411]. **Averaging** [130, 398]. **Avoiding** [407, 386]. **Aware** [331, 362, 360, 464, 156].

**B** [403, 121]. **B-spline** [121]. **Back** [20, 83, 314, 412, 515, 575, 597, 615, 630, 646, 689]. **Bag** [593]. **Bag-Oriented** [593]. **Balance** [655, 416]. **Balancing** [445, 156]. **Bands** [291]. **Bangalore** [726]. **Bangladesh** [643]. **Barreto** [498]. **Base** [397]. **Based** [504, 365, 279, 278, 591, 449, 174, 674, 250, 380, 193, 93, 574, 492, 233, 459, 680, 130, 430, 159, 363, 688, 535, 187, 215, 594, 46, 411, 720, 178, 469, 348, 116, 119, 588, 710, 362, 59, 134, 179, 66, 78, 463, 618, 437, 292, 230, 106, 163, 41, 490, 438, 443, 354, 111, 423, 333, 611, 118, 627, 390, 612, 501, 196, 652, 505, 371, 184, 471, 114, 195, 151, 447, 442, 4, 236, 448, 150, 49, 47, 394, 446, 460, 309, 186, 71, 444].

**Batch** [686]. **Battery** [370]. **Bayesian** [671, 374, 345, 373, 348, 133, 367, 346, 377]. **before** [514]. **Behavior** [13, 17, 45, 665, 18]. **Behavioral** [472, 475]. **Behaviour** [379]. **Behavioural** [432]. **behind** [489]. **Being** [425]. **Belief** [256, 288, 381, 289]. **bent** [499]. **Betaville** [427]. **BetterRelations** [573]. **between** [288, 258, 623, 438, 391, 474, 624]. **beyond** [550]. **BI** [723, 249, 251]. **Bicliques** [705]. **Bidirectional** [272, 376]. **Big** [477, 245, 439, 247]. **Bilateral** [217]. **Bimodal** [230]. **Binary** [349, 229]. **Bio** [45]. **Bio-monitoring** [45]. **Bioinformatic** [687]. **Bioinformatics** [745, 670, 673, 737, 675]. **Biomarkers** [684, 101]. **Biomedical** [678]. **Biomolecular** [678]. **Biostatistics** [745, 670]. **Bisimilarity** [258]. **bit** [462]. **Bitvector** [353]. **Blackjack** [391]. **Bladder** [684]. **Blended** [422]. **Blind** [462, 444]. **Block** [514]. **Blocks** [500]. **Blood** [82]. **Bloom** [535]. **Blur** [218]. **Body** [85, 19]. **Boltzmann** [110]. **Bonding** [57]. **Bone** [93, 100]. **Bones** [125]. **Boolean** [388]. **Boosted** [684]. **Booster** [307]. **Boosting** [184]. **Bootstrapping** [368]. **Botnets** [474]. **Bounding** [295, 503]. **Bounds** [349, 531]. **Boxicity** [551]. **Brain** [676, 66, 70, 113, 76, 117, 715, 143]. **Brainstem** [124]. **Breakdown** [67]. **Breaking** [160]. **Breathing** [103]. **Bremen** [727, 732]. **Bridging** [488]. **Bristol** [728, 729]. **Brno** [722]. **Broadening** [739]. **Browser** [241]. **Browsing** [657]. **Bruijn** [534, 535, 149, 536]. **Bug** [176]. **Building** [644, 5]. **Bundling** [148]. **Business** [30, 245, 185]. **Bytecode** [300].

**C** [24]. **C5** [684]. **CA** [712]. **Calculi** [254]. **Calibration** [111, 213]. **Calisthenics** [384]. **Camellia** [696]. **Camera** [214]. **Canada** [714]. **Cancer** [684]. **Canny** [441]. **Canonical** [38]. **Capturing** [221]. **Cardiac** [109, 106, 111, 110]. **Cards** [171, 160]. **Care** [579]. **Carlo** [354, 368]. **Case** [686, 438, 410, 401]. **Case/Control** [686]. **Cases** [287, 403, 301]. **Categorical** [344]. **Categorization** [119, 350]. **Catheter** [108]. **Catheterisation** [109]. **Causality** [440]. **CBTC** [411]. **Cellular** [154]. **Centered** [645, 648, 208]. **Centric** [463, 236]. **Century** [321]. **Cerebral** [82]. **Certain** [285]. **Challenge** [600]. **Challenges** [577, 340, 432]. **Chance** [13]. **Change** [237]. **Changes** [335]. **Channel** [225]. **Channels** [686, 460]. **Characterisation** [76]. **Characteristics** [46]. **Characterization** [282, 100, 131, 225, 475]. **Characterizing** [452]. **Characters** [19, 531, 8]. **Chat** [389]. **Check** [514]. **Check-before-Output** [514]. **Checker** [306]. **Checking** [308, 309]. **Chemical** [532]. **Chengdu** [733]. **Children** [5, 334]. **Chile** [736]. **China** [733]. **Chinese** [166]. **Chip** [151, 685]. **ChIP-Seq** [685]. **Chit** [389]. **Chit-Chat** [389]. **Chordal** [547]. **Choreographies** [409]. **CIBB** [745]. **Ciphers** [514]. **Ciphertext** [501, 701]. **CISD** [430]. **City** [3]. **Civil** [414]. **Class** [385, 363, 98]. **Classes** [349]. **Classical** [40]. **Classification** [23, 352, 363, 373, 89, 350, 99, 79]. **Classifications** [448]. **Classifier** [360]. **Classifiers** [349, 346]. **Classroom** [422, 197]. **Clean** [287]. **Client** [236]. **Client-Centric** [236]. **CLIIQ** [530]. **Clique** [541]. **Close** [212]. **Close-Up** [212]. **Closing** [19]. **Cloud** [459, 653, 234, 236, 450]. **Cloud-Based** [459].

**Clustering** [566, 569, 119, 75, 486, 390, 451]. **CMS** [723, 232]. **Co** [157, 225, 18]. **Co-Articulation** [18]. **Co-occurrence** [225]. **Co-simulation** [157]. **Coating** [54]. **Cockpits** [402]. **Code** [212]. **Coded** [599]. **Codes** [369]. **Coding** [219]. **Coefficient** [552]. **Cognition** [482]. **Cognitive** [322, 67, 391, 64]. **Collaborating** [623]. **Collaboration** [59]. **Collaborative** [658, 660, 635, 626, 655, 190, 192, 656]. **Collecting** [573]. **Collections** [492, 533, 220]. **Collision** [706, 704]. **Colloquium** [726]. **Color** [686, 217, 448]. **Color-Texture** [448]. **Column** [484]. **Column-Store** [484]. **Combining** [65, 179, 347]. **Command** [580]. **Commercial** [457]. **Commodity** [171]. **Common** [544]. **Communicability** [744, 635, 663, 634, 636, 633]. **Communication** [594, 654, 611, 687, 202, 151]. **Communication-Based** [594]. **Community** [681]. **Compact** [388, 532]. **Companion** [12]. **Comparative** [253, 530, 76]. **Comparing** [533]. **Comparison** [533, 345, 361, 17, 391]. **Comparisons** [527]. **Compatibility** [524, 531]. **Compatible** [574]. **Compensation** [108]. **Competence** [13, 426, 430, 198, 421]. **Competence-Based** [430]. **Competitive** [186]. **Compile** [400]. **Compile-Time** [400]. **Complementing** [680]. **Complete** [500]. **Complex** [28, 592, 740, 593, 594, 606]. **Complexities** [4]. **Complexity** [259, 693, 262, 557, 546, 289, 589]. **Components** [468, 475]. **Composite** [407, 454]. **Compositional** [592, 296]. **Comprehensive** [246, 450]. **Compressed** [127, 533]. **Compression** [550, 223]. **Computation** [514, 15, 738, 519]. **Computational** [669, 733, 745]. **Computer** [716, 717, 718, 655, 734, 423, 435, 196, 474, 743, 734]. **Computer-Assisted** [716, 717, 718]. **Computer-Based** [196]. **Computing** [716, 717, 718, 739, 243, 408, 727, 555, 653, 719, 234, 9, 651, 726, 236, 148, 450]. **Concept** [453]. **Concepts** [722, 426, 321]. **Conceptual** [723, 479, 635, 489, 481, 495, 244, 232, 482, 480, 735]. **Concurrency** [195]. **Concurrent** [276, 180]. **Conditional** [254, 260, 289]. **Conditionals** [383]. **Conditions** [41]. **Conference** [735, 716, 717, 718, 722, 744, 728, 729, 730, 721, 727, 736, 725, 734, 733, 732, 713, 712, 719, 714, 724]. **Confidence** [291, 398]. **Configurable** [219]. **Confirmation** [602]. **Conflict** [255, 11, 523]. **Conflict-Free** [523]. **Conflict-Tolerant** [255]. **Conformance** [306]. **Conjunction** [715]. **Conjunctive** [285]. **Connectivity** [66, 78, 67]. **Considering** [281]. **Consistency** [286]. **Constrained** [295, 81]. **Constraint** [601, 184, 480, 394]. **Constraint-Based** [394]. **Constraints** [388]. **Constructing** [119, 77]. **Construction** [296, 212, 359]. **Constructionist** [417]. **Constructor** [304]. **Constructors** [654]. **Contagion** [8]. **Containment** [39]. **Contaminant** [293]. **Content** [605]. **Contents** [649, 638]. **Context** [494, 658, 362, 208, 99, 656]. **Context-Aware** [362]. **Context-Sensitive** [208]. **Contexts** [208]. **Contextual** [242]. **Contextualized** [424]. **Continuous** [288, 274, 392]. **Contractibility** [556]. **Contracts** [496]. **Control** [51, 686, 191, 463, 580, 443, 157, 43, 313, 416, 48, 61, 49, 47, 56]. **Controls** [662]. **Conventional** [237]. **Conversation** [16]. **Conversational** [4].

**Conversion** [95, 101]. **Converting** [706]. **Convolution** [216]. **Cooperative** [627]. **Coordinate** [614]. **Coordinates** [500]. **Coordination** [601, 18]. **Cope** [183]. **Coprocessing** [26]. **Córdoba** [743]. **Coregulation** [529]. **Corporate** [419]. **Correcting** [369]. **Correction** [218, 447]. **Correctness** [298]. **Correlation** [693, 473]. **Correlations** [479]. **Cost** [203]. **Counterexample** [591]. **Counterexample-Based** [591]. **Countermeasure** [469]. **Counting** [554]. **Coupled** [377]. **Course** [671]. **Courses** [656]. **Cover** [548]. **Coverage** [307]. **CP** [159]. **criteria** [625]. **Critical** [402]. **Cross** [491, 165, 225]. **Cross-Channel** [225]. **Cross-Language** [491]. **Cross-Platform** [165]. **Crowds** [572]. **Cruz** [712]. **Cryptanalysis** [693, 696, 695, 699, 691]. **Cryptographic** [506]. **Cryptography** [505]. **Cryptology** [736]. **CScale** [584]. **CSPConCheck** [306]. **CT** [135, 116, 100, 86]. **Cube** [221]. **Cubes** [479]. **Cubic** [121]. **Cultural** [743, 649, 634, 632]. **Culture** [649, 633]. **Cup** [92]. **Cure** [310]. **Current** [40]. **Currents** [113]. **Curricular** [194]. **Curriculum** [422]. **Curves** [500, 507, 498, 499]. **Curvilinear** [107]. **Customized** [472]. **Cuts** [228]. **Cyber** [577, 472, 157]. **Cyber-Attacks** [472]. **Cyber-Physical** [577, 157]. **Cycling** [703]. **Czech** [722, 321]. **Czechoslovakia** [321].

**D** [27, 135, 120, 214, 134, 216, 211, 139, 110, 61, 225, 202]. **D-ReServE** [27]. **DAGs** [479]. **Damper** [58]. **Dark** [317]. **Darmstadt** [721]. **Data** [483, 565, 250, 529, 559, 693, 563, 566, 233, 678, 569, 30, 31, 477, 570, 479, 338, 274, 670, 34, 243, 676, 237, 564, 116, 89, 573, 36, 73, 37, 38, 438, 305, 495, 245, 161, 560, 709, 347, 366, 439, 247, 344, 341, 94, 675, 532, 283, 393, 488, 685]. **Data-Analysis** [36]. **Data-Driven** [366]. **Data-Intensive** [243]. **Database** [72, 240, 38]. **Databases** [26, 286, 263, 276, 728, 729, 268, 373, 41, 713, 473, 238]. **Datalog** [258]. **Dataset** [65]. **Datasets** [114]. **DC** [746]. **Dealing** [426]. **Debugging** [167]. **December** [744]. **Decidability** [272]. **Deciding** [258]. **Decision** [366, 364, 6]. **Decision-Making** [366]. **Declarative** [338]. **Decoding** [46]. **Decomposition** [528, 229]. **Deconfounding** [68]. **Decryption** [485]. **Deductive** [286]. **DEEN** [681]. **Deep** [429]. **Default** [440]. **Defeasible** [271, 627]. **Defect** [55]. **Defense** [474]. **Definite** [300]. **Definition** [430, 613]. **Definitorial** [546]. **Deformable** [141, 114, 143]. **Deformation** [122, 121]. **Deformations** [97]. **Degenerate** [540]. **del** [745, 720, 257]. **DEL-Sequents** [257]. **Delay** [155]. **Delegation** [604]. **Delta** [586]. **Delta-Oriented** [586]. **Democracy** [641]. **Demons** [119, 113]. **Dempster** [158]. **Dempster-Shafer** [158]. **Denoising** [80]. **Dense** [141]. **Density** [390]. **Dependability** [408]. **Dependencies** [287]. **Dependency** [364]. **Depth** [230, 213]. **Derived** [657]. **Descent** [395]. **Describing** [637]. **Descriptive** [342]. **Design** [319, 93, 459, 311, 603, 188, 648, 335, 443, 666, 327, 687, 196, 61, 321, 309, 334]. **Designing** [4, 324, 206, 421]. **Desktop** [665]. **Destructors** [654]. **Detecting** [666]. **Detection** [282, 135, 65, 55, 681, 162, 163, 530, 441, 226, 101, 94, 92, 68, 102]. **Detector**

[119, 100]. **Deterministic** [36, 167]. **Developer** [175]. **Developing** [191, 384, 88]. **Development** [426, 740, 645, 55, 404, 588, 52, 732, 567, 424, 401, 198, 446]. **Devices** [457]. **DGraph** [149]. **Diagnosis** [602, 282, 78, 44]. **Dialogic** [4]. **Dialogue** [609]. **Dialogues** [627, 625]. **Dictionaries** [127]. **Dictionary** [128]. **Diffeomorphic** [119, 117]. **Difference** [325]. **Differences** [139, 707]. **Different** [209, 416, 436]. **Different-Level** [436]. **Differential** [437, 696, 695, 691, 707]. **Differential-Linear** [695]. **Differentially** [359]. **Differentiated** [46]. **Diffusion** [127, 85, 123, 74, 128, 129]. **Diffusion-Weighted** [129]. **Diffusivity** [85]. **Digital** [582, 194, 638, 335, 220, 462, 323, 641]. **Dimensional** [109, 566, 251]. **Dimensions** [483]. **Direct** [533]. **Directed** [555, 289]. **Direction** [74]. **Discharging** [545]. **disciplinary** [588]. **disclosure** [467]. **Discovering** [489, 673, 247, 342]. **Discovery** [678, 339, 728, 729, 343, 364, 488]. **Discrete** [666, 313, 124]. **Discriminant** [672]. **Discussing** [624]. **Disease** [65]. **Diseases** [670]. **Disjoint** [553]. **Disorders** [50]. **Dispensing** [56]. **Displacement** [141]. **Display** [328]. **Displays** [6]. **Disruptions** [225]. **Distance** [288, 503, 636, 490]. **Distance-Based** [490]. **Distance-Bounding** [503]. **Distinction** [238]. **Distributed** [601, 27, 593, 594, 584, 474]. **Distribution** [37, 460]. **Distributions** [291]. **DL** [605]. **DMC** [521]. **dMPI** [167]. **DNA** [533]. **Do** [70, 12]. **Document** [220, 239]. **Documentation** [613]. **Documents** [350, 664]. **Does** [72, 548]. **DOF** [60, 53]. **Domain** [483, 492, 430, 95, 32, 404, 410, 560, 589, 185, 565, 574]. **Domain-Driven** [185]. **Domain-Specific** [492, 589]. **Domains** [392]. **dominating** [542]. **Don't** [414]. **Drift** [295, 282]. **Drill** [87]. **Driven** [572, 424, 366, 185, 452]. **Driver** [165]. **DSP** [215, 446]. **DTI** [65, 77]. **Dual** [398, 704]. **Dual-Stream** [704]. **DUET** [444]. **Dummy** [514]. **DWI** [80]. **Dynamic** [440, 153, 289, 495, 156, 621, 108, 53, 155]. **Dynamical** [282, 134]. **Dynamics** [669, 521].

**e-Culture** [649, 633]. **e-Learning** [663, 721, 635]. **E-mail** [657, 645]. **EAP** [128]. **Early** [67, 101]. **East** [713]. **ECAs** [16]. **ECDM** [723, 237]. **ECDM-NoCoDA** [723]. **Echo** [109]. **Echocardiography** [134]. **ECML** [728, 729]. **Economic** [574]. **Edge** [441, 542]. **Education** [721, 433, 417, 204]. **Educational** [654]. **Edutainment** [199, 721]. **Effect** [669, 14, 196, 16, 6]. **Effectiveness** [194]. **Effects** [674, 686, 223, 335, 68]. **Efficiency** [510, 159]. **Efficient** [568, 535, 32, 98, 710, 505, 343, 519, 92]. **Efficiently** [297]. **eGovernment** [641]. **EHR** [650]. **Elastography** [90]. **Elderly** [384]. **Electric** [370]. **Electricity** [366]. **Electromagnetic** [58]. **Electrophysiology** [110]. **Elements** [335]. **ElimLin** [708]. **Elliptic** [500]. **Embedded** [468, 215, 404, 179, 443]. **Embedding** [352, 354]. **Embodied** [19]. **Embodiment** [12]. **Emotion** [633, 6]. **Emotional** [8]. **Emotions** [10]. **Empirically** [657]. **Employ** [283]. **Enable** [88]. **Encoding** [291, 388]. **Encounters** [7]. **Encryption** [504, 502, 746, 702, 513]. **End** [585].

**End-User** [585]. **Energy** [32]. **Enforcement** [458]. **Enforcing** [466].  
**Engagement** [421]. **Engine** [241]. **Engineering**  
 [731, 174, 494, 658, 33, 659, 720, 181, 567, 661, 656]. **Enhance** [473].  
**Enhanced** [307]. **Enhancement** [107, 129]. **Enhancing** [414, 433].  
**Enjoyment** [199]. **Enrichment** [405]. **Ensemble** [354, 435]. **Ensembles**  
 [119]. **Ensuring** [311]. **Enterprise** [665, 590]. **Entertainment** [324, 727].  
**Entity** [287]. **Entropy** [267]. **Enumeration** [312]. **Environment**  
 [27, 329, 433, 179, 495, 309]. **Environmental** [588]. **Environments**  
 [233, 190, 148]. **EP** [110]. **Epistemic** [260, 264]. **Equivalence** [436].  
**Equivalences** [383]. **Era** [634]. **eRobotics** [61]. **Error** [72, 144, 369].  
**Error-Correcting** [369]. **ESP** [429]. **Essential** [88]. **Estimating** [522].  
**Estimation** [81, 363, 144, 98, 62, 82, 390, 140, 218, 94]. **Estimator** [219].  
**EUMAS** [741]. **European** [741, 728, 729, 713, 724, 65, 654]. **Evaluating**  
 [174, 223, 432, 431]. **Evaluation**  
 [319, 568, 221, 265, 411, 638, 493, 109, 157, 198, 302, 450]. **Event**  
 [403, 470, 471]. **Event-B** [403]. **Events** [318]. **Evidential** [289]. **Evolution**  
 [240, 595, 237, 437, 521]. **Evolutionary** [169, 181]. **Evolving**  
 [172, 586, 284, 452, 186, 406]. **Exact** [535, 268, 547, 123, 738]. **Example**  
 [404, 428]. **Examples** [670]. **Exception** [400]. **Exceptional** [375].  
**Exchange** [308]. **Execution** [392]. **Exergames** [208, 203]. **Exhaustive**  
 [375]. **Exhibition** [327]. **Exome** [675]. **Exoskeleton** [46, 48, 49].  
**Expansion** [634]. **Experience** [209]. **Experiences** [559]. **Experimental**  
 [345]. **Experiments** [671]. **Exploit** [267]. **Exploiting** [265, 40].  
**Exploration** [569]. **Explorations** [570]. **Exploratory** [181]. **Exponential**  
 [541]. **Exponentiation** [509]. **Exponents** [682]. **Exporting** [583]. **Expose**  
 [176]. **Exposing** [457]. **Expressed** [530]. **Expressing** [605]. **Expression**  
 [529, 300]. **Expressions** [480]. **Expressive** [435]. **Extended** [298].  
**Extending** [568, 572, 349, 271, 495]. **Extension** [350, 637]. **Extensions**  
 [297]. **External** [32]. **Extract** [485]. **Extract-Transform-Load** [485].  
**Extracting** [529, 562, 523, 560]. **Extraction** [552, 561, 377]. **Extractors**  
 [460]. **Extreme** [593]. **Extremities** [59]. **Extremity** [46]. **Eye** [212].

**fAARS** [331]. **Face** [20]. **Facilitating** [167]. **Fact** [33]. **Fact-Oriented** [33].  
**Factorization** [369, 362]. **Failure** [408]. **Fair** [308]. **Fairness** [360, 308].  
**Fairness-Aware** [360]. **Family** [702, 705]. **FAS** [407]. **Fast**  
 [518, 520, 369, 353, 362, 681, 553, 123, 166, 709, 486, 110, 746]. **Faster**  
 [507, 540, 685]. **Fault** [282, 402, 514, 401, 186]. **Fault-Tolerant** [402]. **Faults**  
 [407]. **Feature** [676, 78, 181, 118, 637, 364, 448, 355]. **Feature-Oriented**  
 [637]. **Features** [354]. **Federation** [650]. **Feedback** [547, 362, 313]. **FES**  
 [51, 43]. **FES-Involved** [51]. **Few** [549]. **Fiber** [113, 129, 77]. **Field**  
 [509, 57, 410]. **Fields** [500, 380, 121]. **Filter** [535, 41, 217]. **Filtering**  
 [228, 480, 80]. **Finalist** [697]. **Financial** [578]. **Finding** [456, 540, 452, 685].  
**Fingerprint** [532]. **Finite** [379]. **Finite-State** [379]. **First**  
 [13, 7, 634, 268, 243]. **First-Order** [268]. **Fish** [222]. **Fish-Inspired** [222].

**Fissure** [115]. **Fixed** [542]. **Flexible** [275, 60, 88]. **Florence** [735, 723].  
**Flow** [468, 466, 82, 69, 56, 124]. **Fluoroscopy** [107]. **fMRI** [68, 77].  
**fMRI-Guided** [77]. **FO** [24]. **Focal** [447]. **FOCUS** [24]. **Focusing** [208].  
**Folded** [679]. **Follow** [328]. **Foolproof** [702]. **Forbes.com** [361]. **Forbid**  
[662]. **Forecast** [32]. **Forensic** [159]. **Forests** [135, 136]. **Form** [214].  
**Formal** [380, 401]. **Formalization** [259]. **Formation** [656]. **Foundations**  
[585, 484]. **FPS** [325]. **Fractured** [293]. **Fragment** [613]. **Framework**  
[382, 227, 271, 588, 165, 358, 118, 560, 452, 30]. **Frameworks**  
[255, 617, 277, 621]. **France** [716, 717, 718, 715, 724]. **Free** [523, 87, 214, 545].  
**Free-Form** [214]. **Frequency** [46]. **Frequent** [343]. **Front**  
[21, 42, 558, 576, 598, 616, 631, 647, 668, 690, 711, 63, 84, 105, 126, 147, 168, 189,  
210, 231, 252, 273, 294, 315, 336, 357, 378, 399, 413, 434, 455, 476, 497, 516, 537].  
**FSE** [746]. **Full** [692]. **Fully** [1]. **Function** [72, 503, 103, 704, 44, 698, 444].  
**Functional** [101, 77]. **Functions** [288, 289, 499, 709]. **Furhat** [20]. **Fusion**  
[562, 73, 75, 326, 620, 71]. **Fuzzy** [98, 617, 62, 284, 283, 450].

**GA** [175]. **Gain** [214]. **Gait** [446]. **Game** [600, 319, 193, 322, 429, 430, 335,  
199, 573, 200, 427, 332, 422, 423, 333, 416, 197, 196, 321, 428, 192, 206].  
**Game-Based** [193, 333]. **GameDays** [721]. **Games**  
[419, 426, 194, 325, 310, 381, 420, 415, 335, 721, 331, 642, 732, 332, 422, 205,  
432, 204, 418, 425, 192, 334, 421]. **Gaming** [201, 209, 317]. **Gaps** [488].  
**Garda** [745, 720]. **Gargano** [745]. **Garner** [166]. **Gathering** [318].  
**Gaussian** [444]. **GCM** [703]. **Gender** [16]. **Gene** [529, 525, 526]. **General**  
[381, 385]. **Generalization** [349]. **Generalized** [257]. **Generalizing** [277].  
**Generate** [301]. **Generating** [10]. **Generation** [177, 659, 609, 1, 439, 234].  
**Generative** [73]. **Generic** [375]. **Genes** [669]. **Genetic** [670, 180, 101, 283].  
**Genetics** [66]. **Genome** [164, 536]. **Genomic** [678, 688, 670]. **genre** [319].  
**Geodesic** [130, 145]. **Geographical** [638]. **Geometry**  
[196, 131, 113, 132, 146]. **German** [730]. **Germany** [730, 721, 727, 725, 732].  
**Gesture** [89]. **Get** [34]. **GHASH** [703]. **Gibbs** [120]. **Girly** [199]. **Giving**  
[320]. **Gland** [99]. **Global** [578, 120, 634]. **Globally** [141]. **GMM** [116].  
**Goal** [183]. **Goals** [258, 496]. **Goats** [428]. **Good** [72]. **Google** [562].  
**GOSPL** [33]. **GOST** [692]. **Governance** [612]. **GPGPU** [395]. **GPU** [216].  
**Gradient** [608, 74, 442, 395]. **Gradual** [212]. **Grande** [744]. **Graph**  
[535, 522, 228, 149]. **Graphical** [289, 677]. **Graphics** [165, 171]. **Graphs**  
[556, 295, 534, 547, 524, 376, 545, 251, 536, 218]. **Grass** [328]. **Grey** [437].  
**Grid** [637]. **Grids** [390, 665]. **Grøstl** [697, 698]. **Group** [660, 152, 486].  
**Groups** [242]. **Groupwise** [142, 79, 146, 125]. **Guarantee** [406].  
**Guarantees** [343]. **Guidance** [87, 109]. **Guide** [107]. **Guide-Wire** [107].  
**Guided** [451, 117, 77]. **Guidelines** [657]. **Guides** [644]. **Gwangju** [719].  
**GWAP** [429].

**H** [545]. **H-Minor** [545]. **Half** [520]. **Half-Sibling** [520]. **Handling** [400].  
**Hard** [554]. **HARDI** [66, 75]. **HARDI-Based** [66]. **Hardware** [219, 505].

**Harmonic** [292]. **Hash** [704, 709, 698]. **Hashes** [703]. **Hashing** [518, 498, 552, 700]. **HCITOCH** [743]. **Head&Neck** [114]. **Health** [415, 721, 425]. **Healthcare** [410]. **Held** [715]. **Help** [548]. **Heritage** [743, 634, 632]. **Heterogeneous** [670, 154, 148]. **Heuristic** [520, 368]. **HEX** [265]. **HEX-Program** [265]. **Hidden** [673]. **Hierarchical** [504, 296, 479, 145, 151, 117, 102]. **Hierarchically** [86]. **Hierarchy** [550]. **High** [193, 194, 513, 54, 118, 171, 218]. **High-Power** [54]. **High-Resolution** [193]. **High-Schools** [194]. **Highdimensional** [670]. **Hippocampal** [133]. **Histograms** [359]. **History** [3, 639, 321]. **HOG** [226]. **Home** [443]. **Homogeneous** [154]. **Homomorphic** [552]. **Homomorphism** [620]. **Honeynet** [473]. **Honeypot** [473]. **Honeypot/Honeynet** [473]. **HTML5** [204]. **Huerta** [744]. **Human** [59, 15, 14, 62, 423, 45, 50, 226, 393, 186, 743]. **Human-Computer** [743]. **Human-Robot** [59]. **Human-Robot-Interaction-Technologies** [50]. **Humanoid** [213]. **Humans** [15, 190]. **Hybrid** [602, 33, 491, 382, 345, 109, 437, 162, 313, 327]. **Hyper** [140]. **Hyper-Parameters** [140]. **Hyperbolic** [69]. **Hyperelliptic** [499]. **Hypergraph** [355]. **Hypermedia** [636]. **Hypotheses** [602, 397]. **Hypothesis** [541, 244].

**I-alpha** [442]. **ICEC** [727]. **ICIRA** [714]. **ICMP** [159]. **ICMP-Based** [159]. **ICOCOON** [329]. **ICTAC** [726]. **ICU** [677]. **IDEA** [700]. **Identification** [672, 322, 292, 211]. **Identify** [158, 675]. **Identifying** [325, 139]. **Identity** [236]. **Idiopathic** [124]. **IFIP** [719]. **II** [717, 729, 714]. **III** [718]. **Illumina** [686]. **Image** [716, 717, 718, 107, 222, 59, 220, 138, 226, 225, 202, 442, 715, 77, 92]. **Image-** [107]. **Images** [135, 98, 227, 224, 216, 74, 217, 110, 229, 448, 117, 129, 143]. **Imaging** [127, 85, 109, 100, 101, 132]. **Imminent** [577, 67]. **Impact** [506, 209]. **Impairment** [67]. **Imperfect** [368]. **Implantation** [108]. **Implementability** [596]. **Implementation** [507, 459, 219, 513, 48]. **Implementing** [193, 400]. **Implications** [14, 397, 484]. **Implicit** [362]. **Importance** [174]. **Important** [600]. **Importing** [583]. **Impossible** [696]. **Impression** [13]. **Impressions** [7]. **Improve** [40, 665]. **Improved** [692, 509, 55, 697, 115, 531, 447, 442, 396]. **Improvement** [159, 441]. **Improves** [526, 79]. **Improving** [602, 222, 178, 398, 226]. **in-Browser** [241]. **In-Game** [422]. **in-the-Loop** [175]. **Inapproximability** [542]. **Incentive** [574]. **Incidence** [437]. **Including** [528]. **Incomplete** [264, 381]. **Inconsistency** [259]. **Incorporating** [133, 122]. **Incremental** [591, 25, 97, 364, 18]. **Incrementality** [595]. **Indefinite** [263]. **Independent** [596, 560]. **Index** [24, 469, 53]. **Indexes** [25, 533]. **India** [726]. **Indifferentiable** [498]. **Individual** [469]. **Induced** [540]. **Infectious** [670]. **Infective** [514]. **Inference** [298, 289, 70, 526]. **Inferring** [652]. **Information** [562, 459, 468, 688, 264, 32, 523, 466, 670, 381, 638, 654, 662, 214, 465, 736, 713, 138, 590, 442, 377, 248, 318]. **Information-Gain** [214]. **Information-Gathering** [318]. **Infrared** [447]. **Infrastructure** [509].

**Infrastructures** [653]. **Initialising** [146]. **Inner** [504]. **Input** [177]. **Insider** [158]. **Inspired** [222]. **Instance** [550]. **Instruction** [1]. **Instructional** [194]. **Instructions** [40]. **Integrated** [688, 649, 245]. **Integrating** [670]. **Integration** [582, 678, 32, 635, 38, 115]. **Integrity** [358]. **Intelligence** [745, 730, 733, 245, 724]. **Intelligent** [722, 658, 44, 712, 714]. **Intelligibility** [20]. **Intensive** [420, 243]. **Intention** [62]. **Inter** [599, 139]. **Inter-Point** [139]. **Inter-task** [599]. **Interaction** [678, 743, 200, 190, 323, 50, 679, 474, 521, 316]. **Interactions** [658, 614, 528]. **Interactive** [175, 744, 402, 384, 328, 424, 19, 629, 324, 206, 316]. **Interconnection** [151]. **Interdisciplinary** [418]. **Interests** [664]. **Interface** [635, 663, 62]. **Interfaces** [744, 564, 209]. **Interference** [176, 58]. **Interlocking** [87]. **Internal** [614]. **Internalization** [632]. **International** [735, 731, 716, 717, 718, 745, 722, 746, 744, 743, 720, 243, 721, 727, 736, 725, 734, 733, 732, 742, 712, 719, 737, 418, 726, 232, 714, 738, 715, 237]. **Interpersonal** [7]. **Interpretability** [284]. **Interpretation** [104]. **Intersection** [524]. **Intervals** [291]. **Intervention** [716, 717, 718]. **Interventions** [90]. **Intra** [132, 92]. **Intra-image** [92]. **Intra-operative** [132]. **Intramedullary** [87]. **Introducing** [407]. **Introduction** [208]. **Invasive** [684, 431]. **Inventive** [38]. **Inverse** [367]. **Inversion** [517]. **Investigators** [410]. **Investment** [469]. **Involved** [322, 51]. **IPEC** [738]. **Iris** [212]. **Isoforms** [530]. **Issues** [284]. **Italy** [735, 731, 745, 723, 720, 650]. **Itemsets** [343]. **Iteration** [371]. **ITrace** [159]. **IV** [512]. **IVA** [712].

**Jacobian** [500]. **Java** [300, 195]. **Java-Based** [195]. **Javascript** [162]. **JELIA** [724]. **Join** [25, 31]. **Joins** [22]. **Joint** [113]. **Judgments** [7]. **July** [745]. **June** [745]. **Just** [37]. **Just-In-Time** [37]. **Justifications** [623].

**KALCAS** [30]. **Kansei** [438]. **Kernel** [680, 97]. **Kernel-Based** [680]. **Kernelization** [545]. **Kernels** [387]. **Key** [449, 509, 512, 461, 460]. **Key-IV** [512]. **Keyword** [478, 491, 490]. **KI** [730]. **Kidneys** [135]. **Knowledge** [256, 678, 420, 728, 729, 197, 508, 397, 561, 150, 451]. **Knowledge-Base** [397]. **Knowledge-Based** [150]. **Knowledge-Guided** [451]. **Knowledge-Intensive** [420]. **Koblitz** [507]. **Korea** [719].

**Label** [351, 363, 73, 75, 71]. **Label-Noise** [351]. **labeled** [523]. **Labeling** [566, 145, 617, 82]. **Laboratories** [194]. **Landmark** [119]. **Landmark-Local** [119]. **Lands** [321]. **Language** [28, 491, 564, 405]. **Laparoscopic** [96]. **Lapin** [710]. **Large** [485, 25, 592, 578, 349, 369, 65, 216, 152, 139, 480, 451, 740]. **Large-Margin** [349]. **Large-Scale** [592, 451, 740]. **Laser** [57]. **Latent** [104]. **Lateral** [69]. **Latin** [736]. **LATINCRYPT** [736]. **Lattice** [504, 620, 505, 110, 453]. **Lattice-Based** [504, 505]. **Lattice-Boltzmann** [110]. **Layer** [29, 22]. **Lazy** [302]. **LBM** [110]. **LBM-EP** [110]. **Leaf** [687]. **Leakage** [502]. **Leakage-Resilient** [502]. **Learned** [187, 371, 393]. **Learning**

[337, 365, 599, 672, 193, 372, 430, 95, 660, 338, 663, 369, 339, 353, 370, 655, 382, 636, 728, 729, 201, 345, 227, 348, 433, 376, 385, 608, 398, 417, 422, 128, 367, 118, 432, 196, 679, 391, 629, 377, 108, 356, 92, 64, 656, 143, 102, 635, 721]. **Learning-Based** [365]. **Learnt** [194, 424]. **LED** [54]. **Left** [134, 106]. **Lengths** [66]. **Lesion** [98, 118]. **Lesions** [76]. **Lessons** [187, 424, 194]. **Level** [230, 234, 148, 436]. **Level-Set** [230]. **Leveraging** [22]. **Library** [506]. **Lifecycle** [404]. **Light** [211]. **Like** [250, 12]. **Limb** [51, 52, 48]. **Limitation** [473]. **Line** [187, 662, 636, 702, 586, 522, 406]. **Linear** [674, 693, 299, 695, 313, 691, 353]. **Link** [521]. **Linkage** [56]. **Linked** [569, 570, 573, 560]. **Linking** [403]. **Lip** [20]. **Lip-Reading** [20]. **Live** [361]. **Liver** [91]. **Ljubljana** [737, 738]. **Load** [485, 156]. **Lobe** [115]. **Local** [601, 634, 632, 119, 129, 102]. **Localisation** [186]. **Locality** [518, 151]. **Locally-Sensitive** [518]. **Locally** [302]. **Locate** [59]. **Location** [331]. **Location-Aware** [331]. **Log** [113]. **Log-Demons** [113]. **Logic** [253, 279, 278, 261, 262, 264, 280, 267, 269, 272, 41, 347]. **Logic-Based** [279, 278, 41]. **Logical** [428]. **Logics** [254, 264, 297, 724]. **Logistic** [351]. **Longitudinal** [9]. **Look** [432]. **Loop** [175, 19]. **Loops** [299]. **Low** [203]. **Low-Cost** [203]. **Lower** [51, 46, 531]. **LPN** [710]. **LSCITS** [581]. **LTE** [461]. **LTL** [296]. **Lung** [120, 115].

**Maastricht** [741]. **Machine** [337, 672, 338, 339, 353, 382, 612, 679, 728, 729]. **Machine-Learning** [382, 679]. **Machine-to-Machine** [612]. **Machines** [683, 165]. **MACs** [703]. **Magnetic** [676]. **Magneto** [58]. **Magneto-Rheological** [58]. **Magnitude** [272]. **mail** [657, 645]. **Maintenance** [170, 635]. **Make** [13]. **Making** [366, 439, 6]. **Malicious** [162]. **Malware** [456, 475]. **Management** [259, 650, 740, 237, 725, 687, 470, 471, 236]. **Managing** [276]. **Mandibular** [93]. **Manifold** [143]. **Manipulator** [53]. **Manipulators** [436]. **Manufacturing** [430]. **Many** [72, 148]. **Many-Task** [148]. **Map** [82, 47]. **Map-Based** [47]. **Mapping** [599, 492, 233]. **Mappings** [511]. **Maps** [66]. **Marburg** [725]. **March** [740, 746]. **Margin** [349]. **Markets** [578, 366]. **Markov** [120, 62, 347, 364]. **MAS** [603]. **MASKETEER** [305]. **Masks** [15]. **Massively** [427]. **Master** [43]. **Master-Slave** [43]. **Mastering** [192]. **Matching** [287, 118, 664]. **Matchings** [554]. **Material** [328]. **Materialization** [563]. **Mathematical** [734]. **Matrices** [225]. **Matter** [83, 314, 412, 515, 575, 597, 615, 630, 646, 689, 21, 42, 558, 576, 598, 616, 631, 647, 668, 690, 711, 63, 84, 105, 126, 147, 168, 189, 210, 231, 252, 273, 294, 315, 336, 357, 378, 399, 413, 434, 455, 476, 497, 516, 537, 75, 142, 131, 76]. **Maude** [301]. **MAX** [543]. **MAX-SAT** [543]. **Maximum** [267, 540]. **May** [742]. **MBIA** [715]. **MCI** [95, 78, 101]. **McOE** [702]. **MDE** [405]. **MDP** [369]. **Me** [12]. **Means** [256]. **Measurement** [57, 211]. **Measures** [571, 493, 519]. **Mechanical** [111]. **Mechanics** [319, 196]. **Mechanism** [574, 58]. **Mechanisms** [465]. **Media** [479, 350, 293]. **Mediated** [639]. **Medical** [442, 716, 717, 718]. **Medicine** [203]. **Medulloblastoma** [104]. **Meet** [706].

**Meet-In-The-Middle** [706]. **Meeting** [745, 329]. **Meets** [170, 670, 545, 324]. **Mega** [477]. **Mega-modeling** [477]. **Memetic** [656]. **Message** [501, 167]. **Message-Based** [501]. **Metabolic** [98]. **Metaheuristic** [188]. **Metaprogramming** [400]. **MetaVals** [418]. **Method** [494, 33, 490, 350, 110, 447]. **Methodology** [430, 609, 695, 424]. **Methods** [745, 339, 35, 361, 734, 70, 354, 679]. **Methylation** [686]. **Metric** [253, 138, 356]. **Metro** [223]. **MIB** [159]. **MIB-ITrace-CP** [159]. **MICCAI** [716, 717, 718, 715]. **Micro** [100, 218]. **Micro-architecture** [100]. **Micro-graphs** [218]. **Microarray** [671, 674, 686]. **Microblog** [241]. **Microcontroller** [513]. **Middle** [706]. **Mild** [67]. **Mind** [19]. **Mind-Body** [19]. **Minimal** [270]. **Minimization** [173]. **Minimum** [141]. **Mining** [374, 338, 373, 375, 438, 358, 453]. **Minor** [548, 545]. **miRNA** [674]. **Mirror** [427]. **Misregistration** [14]. **Mitigation** [163]. **Mixed** [566]. **MJPEG** [223]. **MMM** [734]. **MMM-ACNS** [734]. **Mobile** [565, 201, 438, 45, 457]. **Modal** [303, 262, 350, 114]. **modality** [442]. **Mode** [440, 48]. **Model** [380, 572, 660, 667, 479, 120, 584, 655, 411, 270, 493, 134, 73, 179, 437, 375, 495, 190, 332, 164, 244, 371, 183, 471, 113, 246, 694, 308, 309, 474, 102, 106]. **Model-Based** [411, 179, 471]. **Model-Driven** [572]. **Modeling** [235, 735, 723, 603, 338, 472, 98, 243, 404, 15, 17, 245, 128, 251, 91, 393, 248, 58, 309, 587, 477]. **Modelling** [408, 588, 669, 589, 403, 232, 482]. **Models** [253, 671, 674, 559, 233, 32, 298, 489, 481, 133, 385, 38, 734, 62, 181, 610, 677, 247, 391, 341, 364, 146, 521]. **Modes** [700]. **MoDIC** [723]. **Modified** [217]. **Modular** [591]. **modularization** [175]. **Molecular** [521]. **Molina** [640]. **Monadic** [280]. **Monitoring** [409, 296, 45]. **Monotone** [553]. **Monte** [354, 368]. **Monterey** [740]. **Montreal** [714]. **MORE-BI** [723, 249]. **Morphology** [93]. **Morphometry** [69]. **MOSKitt4ME** [494]. **Most** [256]. **Motif** [685]. **Motion** [223, 219, 46, 203, 393, 108, 436]. **Motivation** [659, 423]. **Movements** [52]. **Moving** [386]. **MPI** [167]. **MR** [117, 143, 102]. **MRF** [118]. **MRI** [81, 65, 106, 70, 128, 140, 76]. **MRI-TRUS** [140]. **MS** [76]. **MSC** [295]. **MSOL** [556]. **MSP430X** [513]. **Multi** [671, 319, 565, 25, 566, 574, 363, 169, 523, 655, 98, 588, 608, 609, 106, 100, 350, 620, 742, 251, 401, 612, 131, 531, 114, 442, 86, 71, 60, 88, 625, 587, 741]. **Multi-Agent** [742, 655, 608, 609, 612, 741]. **Multi-agents** [620]. **Multi-Atlas** [71]. **Multi-class** [363, 98]. **Multi-criteria** [625]. **Multi-Detector** [100]. **Multi-dimensional** [566, 251]. **Multi-disciplinary** [588]. **Multi-DOF** [60]. **Multi-domain** [565]. **Multi-genre** [319]. **Multi-labeled** [523]. **Multi-modal** [350, 114]. **Multi-modality** [442]. **Multi-model-Based** [106]. **Multi-objective** [169]. **Multi-organ** [86]. **Multi-piercing** [88]. **Multi-robotic** [401]. **Multi-sample** [671]. **Multi-scale** [131]. **Multi-state** [531]. **Multi-table** [25]. **Multi-view** [587]. **Multiaгент** [600, 660, 611]. **Multiatlas** [72]. **Multibit** [532]. **Multicenter** [65]. **Multicuts** [549]. **Multidimensional** [245]. **Multimodal** [384, 73, 64, 18, 715]. **Multiparty** [622]. **Multiplayer** [207, 192]. **Multiple** [409, 349, 75, 499, 146]. **Multiplication** [507]. **Multipoint** [329].

**Multiprocessor** [151]. **Multiscale** [134, 122]. **Multivariate** [508].  
**Musculoskeletal** [50]. **Music** [339]. **Mutations** [675]. **Mutual** [138].  
**Myths** [632].

**Naehrig** [498]. **Nails** [87]. **Naive** [277]. **Nameless** [302]. **Narrative** [642].  
**Narrowing** [304]. **Nations** [634]. **Natural** [634, 564, 62, 302]. **Nature** [639].  
**Navigating** [284]. **Navigation** [251]. **NCCPIS** [157]. **Nearest** [35, 387].  
**Necessities** [277]. **Need** [70]. **Negligibility** [272]. **Negotiation** [6].  
**Neighbor** [35]. **Neighborhoods** [356]. **Neighbors** [387]. **Neighbourhood**  
[136]. **Nested** [254]. **Netherlands** [741]. **Network**  
[158, 440, 468, 159, 345, 35, 681, 78, 734, 445, 67, 341, 151, 346, 719].  
**Network-Based** [78]. **Networked** [157]. **Networks**  
[172, 379, 583, 571, 66, 669, 289, 347, 154, 447, 452, 155, 521]. **Neural**  
[669, 447]. **Neurogenetic** [669]. **Neuroimaging** [79, 64]. **News** [452]. **Next**  
[659, 439]. **Nice** [716, 717, 718, 715]. **NoCoDA** [723, 237]. **Nogoods** [394].  
**Noise** [351, 385, 58]. **Noisy** [217, 460]. **Non**  
[467, 374, 299, 353, 237, 62, 266, 431, 146]. **Non-disclosure** [467].  
**Non-invasive** [431]. **Non-linear** [353]. **Non-optimal** [266]. **Non-rigid**  
[146]. **Non-Spurious** [374]. **Non-termination** [299]. **Non-verbal** [62].  
**Nonblocker** [545]. **Nonlinear** [292, 653, 48]. **Nonmonotonic** [270].  
**Nonparametric** [367]. **Nonrigid** [138]. **Nonuniformity** [447]. **Nonverbal**  
[13]. **Norm** [10]. **Norm-Related** [10]. **Normalcy** [472]. **Normalization**  
[74]. **Note** [349]. **Notes** [321]. **Novel** [479, 120, 88]. **November** [741]. **NPC**  
[719]. **NXT** [195].

**Obfuscated** [162]. **Object** [214, 298]. **objective** [169]. **Observations** [696].  
**Obtained** [218]. **Occupational** [334]. **occurrence** [225]. **October**  
[735, 716, 717, 718, 723, 736, 734, 733, 714, 715]. **Odds** [581]. **ODF** [128]. **Off**  
[636, 422]. **Off-Game** [422]. **Off-Line** [636]. **OLAP** [250]. **OLAP-Like**  
[250]. **Older** [335]. **OLED** [55]. **On-Line** [662, 702]. **One** [262]. **One-Agent**  
[262]. **Ones** [154]. **Online** [601, 398, 108]. **ontinuo** [24]. **Ontological**  
[233, 247, 484]. **Ontologies** [483, 268]. **Ontology** [33, 652]. **Open** [170].  
**OpenStreetMap** [643]. **Operation** [740]. **Operations** [153]. **operative**  
[132]. **Operators** [188]. **Opponent** [325]. **Opportunities** [432]. **Optic** [92].  
**Optical** [221]. **Optimal** [141, 525, 501, 140, 182, 266]. **Optimality** [619].  
**Optimised** [177]. **Optimization**  
[601, 81, 187, 169, 370, 216, 437, 118, 185, 132, 460, 53]. **Optimized** [116].  
**Optimizing** [176]. **Orchestration** [467]. **Order** [280, 268, 272, 118]. **orders**  
[290]. **Ordinal** [275]. **organ** [86]. **Organizations** [603]. **Oriented**  
[593, 33, 298, 408, 586, 637]. **Orthopaedic** [116]. **OSEK** [309].  
**OSEK/VDX** [309]. **Other** [614, 703]. **Otsu** [55]. **Our** [639]. **Outcome**  
[677]. **Outcomes** [279, 622, 196]. **Outer** [88]. **Output** [369, 514, 709].  
**Overall** [402]. **OWFs** [510]. **OWL** [605]. **Oxford** [740].

**P2P** [286, 156]. **PAC** [385]. **PAC-Learning** [385]. **Packet** [153]. **Paint** [326]. **Pairs** [549, 1]. **Palpation** [90]. **Panel** [684, 55]. **Panic** [414]. **Papers** [745, 740, 746, 744, 743, 741, 742]. **Parallel** [166, 164, 719, 53]. **Parameter** [542, 133, 111]. **Parameterized** [551, 543, 544, 541, 557, 546, 539, 528, 738]. **Parameters** [234, 140, 346]. **Parametric** [267, 128, 653]. **Parametrizable** [319]. **Pareto** [182, 619]. **Pareto-optimal** [182]. **Parity** [310]. **Parochialism** [659]. **Part** [716, 717, 718, 728, 729, 714]. **Partial** [381, 290]. **Participative** [420]. **Participatory** [427]. **Particle** [116]. **Partners** [5]. **Parts** [146]. **Passing** [167]. **Passive** [48]. **Patch** [71]. **Patch-Based** [71]. **Path** [107, 538, 66]. **Pathological** [60]. **Pathway** [579]. **Pathways** [672, 673]. **Pathwidth** [555]. **Patients** [677]. **Pattern** [24, 176, 221, 375]. **Patterns** [400, 666, 567, 452]. **People** [384, 6]. **Perceived** [13, 199]. **Performance** [327, 171, 343, 665, 64, 53]. **Performances** [219, 435]. **Perfusivity** [85]. **Person** [435]. **Person-Computer** [435]. **Personalities** [15]. **Personality** [7, 15]. **Personalization** [418]. **Personalized** [361]. **Persons** [386]. **Perspective** [578]. **Perspectives** [682]. **Persuasion** [622, 625]. **Pervasive** [328]. **PET** [98]. **Petersburg** [734]. **Phase** [56]. **Philosopher** [324]. **Philosophy** [324]. **Phones** [438]. **Phosphor** [54]. **Photography** [638]. **Phylogenetic** [518, 680, 519]. **Phylogeny** [517]. **Physical** [577, 157, 334]. **Physiological** [682]. **Physiology** [423]. **Pictures** [327]. **Piece** [327]. **piercing** [88]. **Piezoelectric** [54]. **Pilot** [209]. **Pipeline** [672]. **Pisa** [731]. **PKDD** [728, 729]. **Plan** [626, 392]. **Planar** [556, 549]. **Plane** [447]. **Planning** [260, 96, 214, 386, 627, 266, 364, 436]. **Plates** [93]. **Platform** [331, 165, 204]. **Platforms** [674, 245]. **Play** [428]. **Player** [325, 332]. **Playgrounds** [323]. **Playing** [639, 330]. **Plots** [318]. **Pneumoperitoneum** [96]. **Point** [250, 139]. **Point-Based** [250]. **Poland** [713]. **Policies** [467, 466, 370]. **Policy** [458, 371]. **Polyaffine** [122]. **Polygonal** [107]. **Polynomial** [551, 549, 550, 542, 703]. **Polynomial-Time** [549]. **Polynomials** [508]. **Polytomies** [525]. **POMDP** [611]. **POMDP-Based** [611]. **Popular** [519]. **Popularity** [156]. **Popularity-Aware** [156]. **Population** [93, 522, 75, 530]. **Population-Based** [93]. **Portable** [446]. **Possibilistic** [271]. **Possibility** [291]. **Postulational** [290]. **Potential** [444]. **Potentials** [203]. **Power** [54]. **Poznań** [713]. **Practical** [619, 699, 484]. **Pragmatics** [587]. **Pre** [290]. **Pre-orders** [290]. **Precedence** [14]. **Precision** [346]. **Predict** [679, 283]. **Prediction** [95, 688, 686, 684, 676, 291, 386, 97, 677, 665, 359]. **Predictive** [374]. **Predictors** [64]. **Predicts** [67]. **Preface** [249]. **Preference** [365]. **Preferences** [325, 269, 277, 12, 624]. **Preferential** [253]. **Preferred** [279]. **Preimage** [706, 698]. **Preimages** [705, 511]. **Prejudice** [360]. **Premises** [283]. **Preprocessing** [548]. **Preschoolers** [4]. **Prescription** [44]. **Prescription-Diagnosis** [44]. **Presence** [686, 209]. **PRESENT** [694]. **Preservation** [220]. **Preserving** [23, 517, 38, 161]. **Primary** [433]. **Prime** [500]. **Primitives** [393]. **Printing** [54]. **Priors** [92]. **Privacy** [23, 305, 161]. **Private** [359]. **ProB** [308]. **Probabilistic** [592, 267, 408, 73, 669, 41, 341].

**Probabilities** [347]. **Probability** [363]. **Problem** [173, 263, 541, 188, 39, 450]. **Problem-Specific** [188]. **Problems** [601, 170, 353, 557, 548, 524, 340, 653, 312]. **Procedure** [431, 675]. **Procedures** [109]. **Proceedings** [716, 717, 718, 728, 729, 714, 735, 731, 722, 723, 720, 730, 721, 727, 736, 725, 734, 733, 732, 713, 712, 719, 737, 726, 738, 715, 724]. **Process** [235, 303, 494, 603, 57, 493, 404, 613, 321]. **ProCesses** [30, 322, 185, 364]. **Processing** [26, 37]. **Processors** [40]. **Procrustes** [139]. **Product** [504, 187, 586, 406]. **Production** [50]. **Profiles** [660, 472]. **Profiling** [129]. **Prognosis** [282]. **Program** [265, 392]. **Programming** [667, 584]. **Programs** [269, 180, 167]. **Progress** [736]. **Progression** [684]. **Project** [652]. **Projected** [20, 359]. **Projection** [202]. **Promotes** [655]. **Promotion** [634]. **Proof** [546]. **Properties** [592, 36]. **Proposal** [613]. **Propositional** [261]. **Propositions** [425]. **Prostate** [227, 140]. **Prostatic** [99]. **Protection** [414, 472, 514]. **Protein** [680, 679]. **Proteins** [679]. **Proteomic** [678]. **Protocol** [449, 710, 155]. **Protocols** [503, 161, 687, 461, 308, 460]. **Proton** [676]. **Provable** [691]. **Provenance** [240, 246]. **Provide** [48]. **Providing** [494]. **Proximity** [571]. **Pseudo** [388, 706, 698]. **Pseudo-Boolean** [388]. **Pseudoknots** [528]. **Pseudorandom** [503]. **PTL** [261]. **Public** [645]. **Pulmonary** [115]. **Puppetry** [327]. **Putting** [175]. **Puzzle** [207, 204]. **Puzzle-it** [204]. **PVS** [410].

**Quadratic** [509]. **Qualitative** [272, 458, 394]. **Quality** [93, 638, 220]. **Quantification** [530, 293]. **Quantitative** [373, 100, 458, 453]. **Quantized** [313]. **Quartets** [531]. **Queries** [24, 25, 568, 28, 31, 36]. **Query** [28, 285, 268, 287, 37, 275, 396]. **Querying** [478, 274]. **QueryPOMDP** [611]. **Quest** [595]. **Question** [1, 4]. **Question-Answer** [1]. **Question/Answering** [4].

**r** [24]. **RABAC** [463]. **Radiation** [87]. **Radiation-Free** [87]. **Radiometric** [80]. **Rail** [225]. **Railway** [223, 404]. **Random** [674, 135, 179, 511]. **Randomised** [182]. **Randomized** [539]. **Randomness** [174]. **Ranking** [363, 241]. **Ranks** [275]. **Rare** [670]. **Rate** [501]. **Ray** [107, 109]. **RBAC** [464]. **RDF** [247]. **Re** [175]. **Re-modularization** [175]. **Reachability** [311]. **Reading** [20]. **Reads** [149]. **Real** [509, 46, 109, 179, 216, 190, 91, 641]. **Real-Time** [46, 109, 179, 91]. **Realistic** [177, 98]. **Realities** [632]. **Reality** [191, 661, 331]. **Realizer** [18]. **Really** [70, 651]. **Realtime** [435]. **Reason** [628]. **Reasoning** [602, 267, 270, 272, 394, 624]. **Rebound** [697]. **Recognition** [137, 45, 392]. **Recognizing** [614]. **Recommendation** [339, 362, 361]. **Recommendations** [486, 242]. **Reconciliation** [559, 525, 526]. **Reconfigurable** [505]. **Reconstructing** [521]. **Reconstruction** [517, 518, 520, 103, 214, 522, 74, 640]. **Recovered** [185]. **Rectal** [227]. **Rectangle** [536]. **Rectangular** [229]. **Recursion** [39]. **Recursivity** [649]. **Reduced** [693, 228, 696, 704, 346, 698].

**Reduced-Round** [696]. **Reducing** [524]. **Reduction** [144, 116, 185].  
**Refactoring** [178]. **Reference** [153]. **Refinement** [262]. **Reformulation**  
[268]. **Regional** [139, 143]. **Registration** [144, 120, 116, 141, 123, 142, 140,  
138, 115, 122, 113, 114, 442, 117, 143, 77, 146, 124, 125]. **Regression**  
[351, 683, 97]. **Regularity** [510]. **Regularization** [123, 121]. **Regularizer**  
[360]. **Regulations** [259]. **Rehabilitation** [51, 46, 43, 52, 44, 203, 48].  
**Reinforcement** [365, 599, 369, 608, 367]. **Related** [10, 335, 512]. **Relation**  
[258]. **Relational** [29, 267, 383]. **Relationship** [639, 438]. **Relationships**  
[619]. **Relaxation** [81]. **Relaxed** [31]. **RELAXing** [183]. **Reliability**  
[674, 470]. **Reliable** [27, 153, 584, 85]. **Remainder** [166]. **Remote** [90, 160].  
**Remover** [360]. **Reorientation** [123]. **Replacement** [23]. **Repositories**  
[493]. **Representation** [535, 221, 134, 289, 302, 532]. **Representing** [291].  
**Republic** [722]. **Requirements** [470, 590, 248]. **Research** [54, 438, 60].  
**ReServE** [27]. **Resilient** [502, 731, 405]. **Resolution** [193, 287, 129].  
**Resonance** [676]. **Resource** [235, 665]. **Resourcing** [626]. **Response** [469].  
**Resting** [68]. **Restoration** [217]. **Restoring** [286]. **Restricted**  
[556, 544, 524, 511]. **Results** [259, 542, 493, 567]. **Retention** [23]. **Retinal**  
[92]. **Return** [469]. **Reusable** [570, 400]. **Revealing** [589]. **Revenue** [574].  
**Reverification** [592]. **Reverse** [181]. **Reviews** [642]. **Revised**  
[745, 740, 746, 744, 743, 741, 742]. **Revision** [290, 397]. **Revisited** [708].  
**Rewrite** [303]. **RFID** [449, 34]. **Rheological** [58]. **Ricci** [69, 124]. **Ridge**  
[97]. **Rigid** [88, 125, 146]. **Rigid-Flexible** [88]. **RIGiM** [723]. **Ring** [710].  
**Ring-LPN** [710]. **RIPeMD** [704]. **RIPeMD-128** [704]. **Risks** [581, 457].  
**Riva** [720]. **RNA** [527, 528]. **Road** [35]. **Road-Network** [35]. **Robot**  
[51, 46, 59, 62, 52, 45, 44, 48, 50, 49, 436, 60]. **Robotic** [90, 401]. **Robotics**  
[337, 714]. **Robots** [195, 213]. **Robust**  
[172, 351, 215, 353, 70, 82, 225, 160, 102]. **Rocchio** [350]. **ROIs** [77]. **Role**  
[655, 463]. **Role-Centric** [463]. **Roles** [496]. **Room** [329]. **Rough** [454].  
**Round** [696, 698]. **Round-Reduced** [698]. **Rounds** [514]. **Routing**  
[445, 155]. **Rule** [233, 373, 652, 453]. **Rules** [374, 343, 482]. **Russia** [734].

**S** [304]. **S-Narrowing** [304]. **Saarbrücken** [730]. **Safely** [59]. **Safety**  
[592, 404, 403]. **sample** [671]. **Sampling** [221, 141, 343, 60]. **Santa** [712].  
**Santiago** [736]. **SAT** [173, 543, 388]. **Satisfiability** [39, 266]. **SBSE**  
[170, 171]. **Scalability** [208]. **Scalable** [584, 248, 725]. **Scalar** [507]. **Scale**  
[592, 682, 578, 100, 456, 451, 131, 740]. **Scaling** [276]. **Scans** [106]. **Scenario**  
[430]. **Scenarios** [609]. **Schedule** [176]. **Scheduling** [665, 150, 148].  
**Schema** [485, 240]. **Schemas** [480]. **Scheme** [145, 462, 323, 160, 436].  
**Schemes** [702]. **School** [433]. **Schooling** [194]. **Schools** [194]. **Science**  
[202]. **Scientific** [244, 651]. **Scoliosis** [124]. **Score** [348]. **Score-Based** [348].  
**Scoring** [374, 152]. **Scripted** [1]. **Scripting** [429]. **Scrum** [661]. **SCS** [484].  
**Search** [565, 174, 572, 574, 187, 491, 188, 178, 493, 35, 179, 490, 354, 567, 368,  
184, 396, 739, 720]. **Search-Based** [174, 178, 179]. **Searches** [532].  
**Searching** [381, 182]. **SeCoGIS** [723]. **Second** [13, 744, 743, 280, 715].

**Secondo** [435]. **Sector** [645]. **Secure** [503, 709]. **Secured** [467]. **Security** [600, 506, 650, 583, 662, 178, 465, 736, 734, 163, 458, 691, 470, 701, 471, 457, 700].  
**Segmentation** [72, 107, 135, 227, 134, 133, 230, 106, 228, 99, 226, 115, 79, 86, 71]. **Segura** [640]. **Selected** [745, 740, 746, 744, 743, 741, 742]. **Selection** [25, 26, 31, 676, 469, 36, 78, 140, 355, 625]. **Selective** [269]. **Self** [682, 606, 138, 150, 436]. **Self-adaptive** [606]. **Self-Motion** [436].  
**Self-Scheduling** [150]. **Self-similarity** [682, 138]. **Semantic** [483, 492, 570, 667, 104, 491, 560, 47]. **Semantics** [253, 279, 278, 255, 380, 429, 383, 605, 269, 270, 607, 38, 619, 277, 301, 302, 621].  
**sEMG** [43, 49]. **sEMG-Based** [49]. **Semi** [30, 376, 499, 377, 488, 355].  
**Semi-automatic** [30]. **Semi-bent** [499]. **Semi-structured** [488].  
**Semi-supervised** [376, 377, 355]. **Sensing** [127]. **Sensitive** [518, 208].  
**Sensor** [158, 233, 215, 445]. **Sentiment** [352]. **Separation** [444].  
**September** [731, 722, 743, 728, 729, 720, 730, 721, 727, 725, 732, 713, 712, 719, 737, 726, 738, 724]. **Septic** [677]. **Seq** [685]. **Sequence** [352, 533, 528].  
**Sequences** [680, 666, 685]. **Sequencing** [675]. **Sequent** [254]. **Sequential** [250]. **Sequents** [257]. **SERENE** [731]. **Series** [529, 682, 451]. **Serious** [419, 426, 430, 420, 422, 205, 416, 197, 432, 204, 418, 425, 321, 192, 421, 732].  
**Serpent** [694]. **Service** [235, 409, 27, 408, 407, 358, 234]. **Service-Oriented** [408]. **Services** [467, 177, 564, 407, 232, 637]. **Set** [547, 230, 707, 542]. **Sets** [299, 369, 265, 553, 512, 377, 454]. **SGDA** [732]. **SHA** [705, 706]. **SHA-2** [705, 706]. **Shafer** [158]. **Shape** [112, 130]. **Shape-Based** [130]. **Shapes** [139]. **Shared** [47]. **Sharing** [574, 459]. **Sheath** [88]. **Short** [639, 152, 709].  
**Short-Output** [709]. **Shortgun** [149]. **SibJoin** [520]. **Sibling** [520].  
**Signature** [112, 462]. **Significance** [452]. **Significance-Driven** [452].  
**SIMD** [40]. **Similarity** [253, 28, 493, 41, 22, 682, 138]. **Simple** [299, 681, 386]. **SimpleDB** [29]. **SimpleSQL** [29]. **Simulation** [96, 51, 191, 116, 588, 653, 91, 110, 61, 157]. **Simulation-Based** [116].  
**Simultaneous** [228, 122]. **Sink** [549]. **Sites** [489, 679]. **Situated** [191]. **Size** [72, 522]. **Skein** [705]. **Skein-512** [705]. **Skeleton** [114]. **Skill** [348]. **Skills** [414]. **Skin** [118]. **Slave** [43]. **Sliced** [484]. **Slides** [104]. **Sliding** [48].  
**Slovenia** [737, 738]. **Small** [548, 389, 164]. **Smart** [215, 443, 328, 366, 47, 160]. **Smartphones** [651]. **SmartTestGen** [307].  
**Smoothing** [344]. **SNI** [442]. **Social** [5, 583, 571, 479, 200, 350, 323, 341, 316]. **Society** [641]. **Soft** [414, 97].  
**Software** [174, 175, 746, 187, 658, 170, 188, 632, 659, 720, 178, 586, 666, 664, 661, 656, 406, 731]. **Soil** [416]. **Solids** [653]. **Solution** [222]. **Solvers** [173].  
**Solving** [340]. **Somatic** [675]. **Some** [546]. **Sosemanuk** [512]. **Source** [549].  
**Source-Sink** [549]. **Sources** [409, 563, 561, 444]. **Space** [582, 535, 557, 428].  
**Space-Efficient** [535]. **Spanning** [141]. **SPARQL** [568]. **Sparse** [599, 134, 552, 390, 393, 64, 71]. **Spatial** [502, 478, 14, 74, 209, 80]. **Spatio** [386]. **Spatiotemporal** [103]. **Speaker** [17]. **Special** [707]. **Specific** [492, 188, 589, 86]. **Specifications** [380]. **Specified** [301]. **Spectra**

[186, 355]. **Spectra-Based** [186]. **Spectral** [112, 119]. **Spectroscopy** [676]. **Spectrum** [127, 682]. **Speed** [513, 218]. **Spelling** [490]. **Spiking** [669]. **Spin** [82]. **Spine** [102]. **spline** [121]. **Sports** [721, 203]. **Spotting** [325]. **Spray** [155]. **Spurious** [374]. **SQL** [285]. **Squaring** [429]. **SSBSE** [720]. **SSMTA\*** [35]. **St** [734]. **Stable** [278, 277]. **Stacked** [581]. **Stakeholder** [664]. **State** [379, 313, 643, 68, 531]. **States** [381, 614]. **Static** [25, 239]. **Statins** [677]. **Statistical** [98]. **Statistics** [122]. **Status** [642]. **Stealing** [701]. **Steering** [594]. **Stitching** [218]. **Stochastic** [398, 293, 395, 474]. **Storage** [22]. **Store** [34, 484]. **Stories** [321]. **Story** [424, 318]. **StoryTec** [205]. **Storytelling** [206, 316]. **Strategies** [626, 604, 179]. **Strategy** [51, 391, 56]. **Stream** [704, 283]. **Streams** [31, 274]. **Strength** [162]. **Strengthen** [449]. **Strengths** [573]. **String** [40]. **Structural** [335, 78, 307, 101]. **Structure** [107, 345, 99, 528, 94, 694, 92]. **Structure-Sequence** [528]. **Structured** [565, 372, 566, 211, 156, 561, 64, 488]. **Structures** [532]. **Student** [199]. **Students** [660, 661]. **Studies** [194, 423, 653]. **Study** [51, 662, 224, 438, 181, 290, 209, 410, 401, 677, 8, 450]. **Studying** [69]. **Stuttering** [310]. **Subfield** [133]. **Subgraph** [548, 540]. **Subject** [86]. **Subject-Specific** [86]. **Subjective** [347]. **Subsequence** [24]. **Subset** [547]. **Succinct** [534, 532]. **Suggestion** [490, 396]. **Suggestions** [546, 224]. **Suite** [173, 307]. **SUM** [725, 620]. **Summation** [553]. **Superior** [154]. **Superstring** [544]. **Supervised** [352, 227, 376, 377, 355]. **Support** [568, 678, 494, 570, 660, 329, 683, 22, 661]. **Supported** [655]. **Supporting** [240, 410, 687]. **Surface** [225]. **Surfaces** [124]. **Surgery** [96, 88]. **Surgical** [89]. **Surveillance** [223, 215]. **Survey** [571]. **Survival** [683]. **Susceptibility** [76]. **Sustainability** [574]. **Sustainable** [430]. **SWAD** [215]. **SWAD-Based** [215]. **Swap** [544]. **Symbolically** [295]. **Symmetric** [117]. **Symmetries** [593]. **Symposium** [720, 738]. **Synchronization** [449]. **Syncretic** [620]. **Synergy** [649]. **Synthesis** [582, 38]. **System** [194, 459, 649, 274, 411, 654, 55, 57, 384, 109, 224, 162, 326, 211, 152, 443, 157, 43, 423, 435, 44, 401, 203, 202, 446, 56]. **Systems** [172, 485, 279, 600, 731, 303, 722, 577, 592, 740, 282, 468, 578, 593, 741, 221, 329, 635, 594, 636, 606, 404, 179, 208, 292, 580, 358, 284, 313, 742, 611, 713, 612, 304, 665, 629, 156, 590, 283, 474]. **Systems-** [404]. **Systems-of-Systems** [172].

**T1** [113]. **table** [25]. **Tables** [560, 487, 562]. **Tagging** [224]. **Taipei** [742]. **Taiwan** [742]. **Take** [72]. **Taken** [538]. **Talk** [389]. **Talking** [481]. **Talks** [320]. **Taming** [582]. **Tangible** [334]. **Target** [144]. **Targeted** [472]. **Task** [604, 148, 68, 599]. **Taxonomy** [200]. **Teaching** [3, 661, 321, 195]. **Team** [655, 656]. **Team-Role** [655]. **Teams** [580, 652]. **Technique** [374]. **Techniques** [602, 539, 186]. **Technologies** [744, 654, 50]. **Technology** [443, 202]. **Teleconference** [329]. **Telerobotic** [191]. **Telic** [238]. **Telic/Atelic** [238]. **Temperature** [57]. **Templates** [72, 207]. **Temporal** [112, 682, 271, 386, 266, 297, 392, 238]. **Tensor** [362, 123, 100, 74].

**termination** [299]. **Terms** [499]. **Tertiary** [528]. **Test** [173, 177, 152, 307, 301]. **Testing** [180, 179, 163, 184, 406]. **Text** [533, 341]. **Texture** [448]. **Thalamus** [19]. **Their** [680, 709]. **Thematic** [569]. **Theorem** [166]. **Theoretical** [726]. **Theory** [158, 600]. **Therapeutic** [384, 332]. **Therapy** [332, 48, 334]. **Thinking** [428]. **Third** [732, 232]. **Thoracic** [94]. **Threads** [176]. **Three** [264, 466, 109]. **Three-Dimensional** [109]. **Three-Valued** [264, 466]. **Threshold** [426]. **Tight** [343]. **Tile** [342]. **Time** [551, 295, 671, 250, 549, 13, 529, 281, 81, 682, 541, 46, 408, 109, 179, 37, 555, 292, 400, 62, 313, 91, 451]. **Time-Constrained** [295]. **Time-Course** [671]. **Time-Frequency** [46]. **Time-Probabilistic** [408]. **Time-Variant** [292]. **Time-Varying** [62]. **ting** [358]. **Tissue** [97, 91]. **ToF** [214]. **Tolerance** [291]. **Tolerant** [255, 402, 401, 155]. **Tomographic** [132]. **Tool** [221, 33, 329, 320, 326, 157, 687, 306]. **Tools** [585]. **Top** [568, 41]. **Top-K** [568]. **Total** [98]. **Toulouse** [724]. **Tourism** [743, 632]. **Trabecular** [100]. **Trace** [499]. **Traceability** [34]. **Traceback** [159]. **Tracing** [501]. **Tracked** [34]. **Tracker** [215]. **Tracking** [223, 108]. **Tract** [75, 131]. **Tractable** [287]. **Tractography** [142]. **Trading** [510, 439]. **Traffic** [259]. **Training** [419, 191, 721, 384, 320, 190, 416, 44, 347]. **Traitor** [501]. **Trajectories** [393]. **Trajectory** [386]. **Trans** [227, 331]. **Trans-reality** [331]. **Transactions** [276, 283]. **Transcatheter** [108]. **Transfer** [599, 95]. **Transform** [485, 111]. **Transformation** [451]. **Transient** [57]. **Transition** [371, 364]. **Translate** [297]. **Translation** [382, 165]. **Translational** [53]. **Transport** [293]. **Trauma** [116]. **Treated** [677]. **Tree** [518, 680, 524, 141, 354, 527, 526, 368, 528, 532, 519]. **Tree-Based** [354]. **Trees** [523, 145, 684, 525, 375, 526, 532, 342]. **Triangular** [253]. **Triangulations** [524]. **Trichotomic** [636]. **Triclusters** [529]. **TRIMAX** [529]. **Trimming** [429]. **Triple** [34]. **Triples** [573]. **Triplet** [151]. **Triplet-Based** [151]. **Triples** [531]. **TRUS** [140]. **Trust** [333, 464, 628]. **Trust-Aware** [464]. **Tumor** [676]. **Turning** [194]. **Tutorial** [171]. **Two** [686, 670, 17, 56]. **Two-Color** [686]. **Two-Phase** [56]. **Type** [635, 298, 445]. **Types** [676, 416]. **Typicality** [261].

**UK** [740, 728, 729]. **UKCF** [165]. **Ultra** [578]. **Ultra-Large-Scale** [578]. **Ultrasound** [227, 116, 137, 90]. **Ultrasound-CT** [116]. **UMTS** [461]. **UNAF** [707]. **Unbiased** [142]. **Uncertain** [274, 364]. **Uncertainties** [526]. **Uncertainty** [582, 276, 291, 725, 133, 118, 293, 183, 140]. **Uncertainty-Based** [118]. **Undecidability** [313]. **Underdetermined** [444]. **Undergoing** [334]. **Understandability** [481]. **Understanding** [481, 480, 487]. **Unfounded** [265]. **Unified** [190]. **Uniform** [121]. **Uniformity** [267]. **Units** [26]. **Universal** [709]. **Unordered** [527]. **Unpartitioned** [393]. **Unrooted** [524, 527]. **Unscented** [111]. **Unsupervised** [387]. **UOWHFs** [510]. **Update** [263]. **Upper** [52, 48]. **Upper-Limb** [52]. **Upscaling** [293]. **Uruk** [3]. **USA** [746, 712]. **Usability** [635, 663, 438]. **Usage** [370]. **Use** [235, 709, 439, 677, 359]. **Useful** [651].

**User** [7, 645, 658, 648, 585, 224, 208, 486, 12, 160]. **User-Centered** [208].

**Users** [659]. **Using**

[599, 483, 379, 127, 177, 518, 81, 135, 472, 369, 65, 120, 383, 605, 178, 676, 116, 141, 180, 35, 386, 211, 62, 100, 305, 43, 149, 118, 251, 397, 628, 171, 266, 301, 184, 90, 113, 532, 202, 428, 160, 86, 64, 80, 475, 102, 146, 124, 444].

**utlier** [358]. **utlier-Mining-as-a-Service** [358].

**Validity** [431]. **Value** [38, 425]. **Valued** [264, 466]. **Values** [619]. **Valve** [108]. **Variables** [153]. **Variant** [292]. **Various** [700]. **Varying** [62].

**Vascularized** [91]. **VDX** [309]. **Vector** [683]. **Vehicles** [370]. **Ventricle** [134, 69]. **Verbal** [15, 62]. **Vergence** [213]. **Verification** [591, 379, 312].

**versus** [659]. **Vertex** [548, 547]. **Very** [25]. **via**

[112, 280, 287, 522, 398, 228, 527, 364, 108, 77, 167]. **Video**

[322, 219, 89, 642, 212]. **Videos** [137]. **View** [544, 263, 214, 588, 36, 587].

**View-Based** [588]. **View-Update** [263]. **Viewpoints** [596]. **Views** [235].

**Virtual** [644, 13, 3, 7, 11, 104, 329, 10, 191, 165, 320, 15, 14, 1, 2, 190, 712, 661, 640, 8, 324, 6]. **Vision** [722]. **Visual** [20, 657, 104, 340, 567, 16].

**Visualization** [680, 676]. **Visualizing** [567]. **Volumetric** [67]. **Volumetry** [133]. **Voxel** [74]. **Voxel-Wise** [74]. **Vulnerabilities** [163]. **Vulnerability** [461].

**WABI** [737]. **Wait** [155]. **Wall** [640]. **Warehouse** [678]. **Warehouses** [483].

**Warmth** [13]. **Washington** [746]. **Wavelet** [451]. **Wavelets** [292].

**Weather** [330]. **Web**

[739, 565, 559, 177, 563, 492, 570, 667, 638, 489, 163, 443, 456, 567, 487].

**Web-Based** [492]. **Websites** [162]. **Weighted** [554, 138, 76, 86, 129].

**Weights** [271]. **Well** [425]. **Well-Being** [425]. **Wheelchair** [47]. **Where**

[137]. **White** [54, 75, 142, 131, 76]. **Whole** [675]. **Whole-Exome** [675].

**Widgets** [492]. **Wire** [107]. **Wireless** [158, 445, 43]. **Wise** [74]. **WISM**

[723]. **within** [460]. **without** [514]. **Work** [208]. **Workers** [414, 50].

**Workshop** [731, 740, 746, 743, 741, 243, 237, 742, 737, 232, 715].

**Workshops** [723]. **World** [3, 427, 164]. **Worlds** [644, 383, 201]. **WoW** [198].

**Wrist** [125]. **WSDL** [637]. **WSNs** [161].

**X** [107, 109]. **X-Ray** [107, 109]. **XDBMSs** [22]. **XML** [490, 22, 239].

**XPath** [39]. **Xstream** [274].

**Zero** [693, 508]. **Zero-Knowledge** [508]. **ZigBee** [443].

## References

**Kuyten:2012:FAG**

- [1] Pascal Kuyten, Timothy Bickmore, Svetlana Stoyanchev, Paul Piwek, and Helmut Prendinger. Fully automated generation of question-answer pairs for scripted virtual instruction. *Lecture Notes in Computer Science*, 7502:1–14, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_1/).

**Li:2012:VA**

- [2] Weizi Li and Jan M. Allbeck. The virtual apprentice. *Lecture Notes in Computer Science*, 7502:15–27, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_2/).

**Bogdanovych:2012:CUT**

- [3] Anton Bogdanovych, Kiran Ijaz, and Simeon Simoff. The city of Uruk: Teaching ancient history in a virtual world. *Lecture Notes in Computer Science*, 7502:28–35, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_3/).

**Tewari:2012:ADC**

- [4] Anuj Tewari, Ingrid Liu, Carrie Cai, and John Canny. An analysis of the dialogic complexities in designing a question/answering based conversational agent for preschoolers. *Lecture Notes in Computer Science*, 7502:36–45, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_4/).

**Bernardini:2012:BAS**

- [5] Sara Bernardini, Kaska Porayska-Pomsta, Tim J. Smith, and Katerina Avramides. Building autonomous social partners for autistic children. *Lecture Notes in Computer Science*, 7502:46–52, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_5/).

**deMelo:2012:EVA**

- [6] Celso M. de Melo, Peter Carnevale, and Jonathan Gratch. The effect of virtual agents’ emotion displays and appraisals on people’s decision making in negotiation. *Lecture Notes in Computer Science*, 7502:53–66, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_6/).

**Cafaro:2012:FIU**

- [7] Angelo Cafaro, Hannes Högni Vilhjálmsson, Timothy Bickmore, and Dirk Heylen. First impressions: Users' judgments of virtual agents' personality and interpersonal attitude in first encounters. *Lecture Notes in Computer Science*, 7502:67–80, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_7/).

**Tsai:2012:SEC**

- [8] Jason Tsai, Emma Bowring, Stacy Marsella, Wendy Wood, and Milind Tambe. A study of emotional contagion with virtual characters. *Lecture Notes in Computer Science*, 7502:81–88, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_8/).

**Ring:2012:LAC**

- [9] Lazlo Ring, Timothy Bickmore, and Daniel Schulman. Longitudinal affective computing. *Lecture Notes in Computer Science*, 7502:89–96, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_9/).

**Ferreira:2012:GNR**

- [10] Nuno Ferreira, Samuel Mascarenhas, Ana Paiva, Frank Dignum, John Mc Breen, and Nick Degens. Generating norm-related emotions in virtual agents. *Lecture Notes in Computer Science*, 7502:97–104, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_10/).

**Campos:2012:VAC**

- [11] Henrique Campos, Joana Campos, Carlos Martinho, and Ana Paiva. Virtual agents in conflict. *Lecture Notes in Computer Science*, 7502:105–111, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_11/).

**Segura:2012:HDY**

- [12] Elena Márquez Segura, Michael Kriegel, Ruth Aylett, Amol Deshmukh, and Henriette Cramer. How do you like me in this: User embodiment preferences for companion agents. *Lecture Notes in Computer Science*,

7502:112–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_12/).

**Bergmann:2012:SCM**

- [13] Kirsten Bergmann, Friederike Eyssel, and Stefan Kopp. A second chance to make a first impression? How appearance and nonverbal behavior affect perceived warmth and competence of virtual agents over time. *Lecture Notes in Computer Science*, 7502:126–138, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_13/).

**Krum:2012:SMV**

- [14] David M. Krum, Evan A. Suma, and Mark Bolas. Spatial misregistration of virtual human audio: Implications of the precedence effect. *Lecture Notes in Computer Science*, 7502:139–145, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_14/).

**Krishnan:2012:VHP**

- [15] Vaishnavi Krishnan, Adriana Foster, Regis Kopper, and Benjamin Lok. Virtual human personality masks: a human computation approach to modeling verbal personalities in virtual humans. *Lecture Notes in Computer Science*, 7502:146–152, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_15/).

**Silvervarg:2012:EVG**

- [16] Annika Silvervarg, Kristin Raukola, Magnus Haake, and Agneta Gulz. The effect of visual gender on abuse in conversation with ECAs. *Lecture Notes in Computer Science*, 7502:153–160, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_16/).

**Lee:2012:MSB**

- [17] Jina Lee and Stacy Marsella. Modeling speaker behavior: a comparison of two approaches. *Lecture Notes in Computer Science*, 7502:161–174, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_17/).

**vanWelbergen:2012:IMR**

- [18] Herwin van Welbergen, Dennis Reidsma, and Stefan Kopp. An incremental multimodal realizer for behavior co-articulation and coordination. *Lecture Notes in Computer Science*, 7502:175–188, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_18/).

**Ribeiro:2012:TCM**

- [19] Tiago Ribeiro, Marco Vala, and Ana Paiva. Thalamus: Closing the mind-body loop in interactive embodied characters. *Lecture Notes in Computer Science*, 7502:189–195, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_19/).

**AlMoubayed:2012:LRF**

- [20] Samer Al Moubayed, Gabriel Skantze, and Jonas Beskow. Lip-Reading: Furhat audio visual intelligibility of a back projected animated face. *Lecture Notes in Computer Science*, 7502:196–203, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33197-8\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33197-8_20/).

**Anonymous:2012:FMA**

- [21] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7502:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33197-8/1>.

**Ribeiro:2012:LSL**

- [22] Leonardo Andrade Ribeiro and Theo Härder. Leveraging the storage layer to support XML similarity joins in XDBMSs. *Lecture Notes in Computer Science*, 7503:1–14, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_1/).

**Andruszkiewicz:2012:RRP**

- [23] Piotr Andruszkiewicz. Retention replacement in privacy preserving classification. *Lecture Notes in Computer Science*, 7503:15–28, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_2/).

**Andrzejewski:2012:FIF**

- [24] Witold Andrzejewski and Bartosz Bebel. FOCUS: An index FO r C ontinuo US subsequence pattern queries. *Lecture Notes in Computer Science*,

7503:29–42, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_3/).

**Bouchakri:2012:SIS**

- [25] Rima Bouchakri and Ladjel Bellatreche. Static and incremental selection of multi-table indexes for very large join queries. *Lecture Notes in Computer Science*, 7503:43–56, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_4/).

**Bress:2012:ASP**

- [26] Sebastian Breß, Felix Beier, and Hannes Rauhe. Automatic selection of processing units for coprocessing in databases. *Lecture Notes in Computer Science*, 7503:57–70, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_5/).

**Brzezinski:2012:DRD**

- [27] Jerzy Brzeziński and Arkadiusz Danilecki. D-ReServE: Distributed reliable service environment. *Lecture Notes in Computer Science*, 7503:71–84, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_6/).

**Budikova:2012:QLC**

- [28] Petra Budikova, Michal Batko, and Pavel Zezula. Query language for complex similarity queries. *Lecture Notes in Computer Science*, 7503:85–98, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_7/).

**Calil:2012:SRL**

- [29] Andre Calil and Ronaldo dos Santos Mello. SimpleSQL: a relational layer for SimpleDB. *Lecture Notes in Computer Science*, 7503:99–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_8/).

**Castellanos:2012:KFS**

- [30] Camilo Castellanos and Dario Correal. KALCAS: a Framework for Semi-automatic ALignment of Data and Business ProCesses ArchitectureS. *Lecture Notes in Computer Science*, 7503:111–124, 2012. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_9/).

**Catania:2012:TRS**

- [31] Barbara Catania and Giovanna Guerrini. Towards relaxed selection and join queries over data streams. *Lecture Notes in Computer Science*, 7503:125–138, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_10/).

**Dannecker:2012:EIE**

- [32] Lars Dannecker and Elena Vasilyeva. Efficient integration of external information into forecast models from the energy domain. *Lecture Notes in Computer Science*, 7503:139–152, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_11/).

**Debruyne:2012:GMT**

- [33] Christophe Debruyne and Robert Meersman. GOSPL: a method and tool for fact-oriented hybrid ontology engineering. *Lecture Notes in Computer Science*, 7503:153–166, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_12/).

**Dobрева:2012:GTT**

- [34] Veneta Dobрева and Martina-Cezara Albutiu. Get tracked: a triple store for RFID traceability data. *Lecture Notes in Computer Science*, 7503:167–180, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_13/).

**Htoo:2012:ANN**

- [35] Htoo Htoo, Yutaka Ohsawa, and Noboru Sonehara. Aggregate nearest neighbor search methods using SSMTA\* algorithm on road-network. *Lecture Notes in Computer Science*, 7503:181–194, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_14/).

**Huang:2012:DVS**

- [36] Rong Huang, Rada Chirkova, and Yahya Fathi. Deterministic view selection for data-analysis queries: Properties and algorithms. *Lecture Notes in Computer Science*, 7503:195–208, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_15/).

**Ivanova:2012:JTD**

- [37] Milena Ivanova and Martin Kersten. Just-in-time data distribution for analytical query processing. *Lecture Notes in Computer Science*, 7503:209–222, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_16/).

**Kalinichenko:2012:SCM**

- [38] Leonid Kalinichenko and Sergey Stupnikov. Synthesis of the canonical models for database integration preserving semantics of the value inventive data models. *Lecture Notes in Computer Science*, 7503:223–239, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_17/).

**Kosa:2012:CSP**

- [39] Balázs Kósa. Containment and satisfiability problem for XPath with recursion. *Lecture Notes in Computer Science*, 7503:240–253, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_18/).

**Ladra:2012:ESI**

- [40] Susana Ladra, Oscar Pedreira, and Jose Duato. Exploiting SIMD instructions in current processors to improve classical string algorithms. *Lecture Notes in Computer Science*, 7503:254–267, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_19/).

**Lehrack:2012:TFL**

- [41] Sebastian Lehrack and Sascha Saretz. A top- $k$  filter for logic-based similarity conditions on probabilistic databases. *Lecture Notes in Computer Science*, 7503:268–281, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33074-2\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33074-2_20/).

**Anonymous:2012:FMB**

- [42] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7503:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33074-2/1>.

**Lou:2012:WMS**

- [43] Zuozheng Lou, Peng Yao, and Dingguo Zhang. Wireless master-slave FES rehabilitation system using sEMG control. *Lecture Notes in Computer Science*, 7507:1–10, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_1/).

**Pan:2012:IPD**

- [44] Lizheng Pan, Aiguo Song, Guozheng Xu, Huijun Li, and Baoguo Xu. Intelligent prescription-diagnosis function for rehabilitation training robot system. *Lecture Notes in Computer Science*, 7507:11–20, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_2/).

**Nergui:2012:HBR**

- [45] Myagmarbayar Nergui, Yuki Yoshida, Nevrez Imamoglu, Jose Gonzalez, and Wenwei Yu. Human behavior recognition by a bio-monitoring mobile robot. *Lecture Notes in Computer Science*, 7507:21–30, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_3/).

**Fan:2012:DTF**

- [46] Yuanjie Fan and Yuehong Yin. Differentiated time-frequency characteristics based real-time motion decoding for lower extremity rehabilitation exoskeleton robot. *Lecture Notes in Computer Science*, 7507:31–40, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_4/).

**Wei:2012:SMB**

- [47] Zhixuan Wei, Weidong Chen, and Jingchuan Wang. 3D semantic map-based shared control for smart wheelchair. *Lecture Notes in Computer Science*, 7507:41–51, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_5/).

**Rahman:2012:NSM**

- [48] Mohammad Habibur Rahman, Maarouf Saad, Jean Pierre Kenné, and P. S. Archambault. Nonlinear sliding mode control implementation of an upper limb exoskeleton robot to provide passive rehabilitation therapy. *Lecture Notes in Computer Science*, 7507:52–62, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_6/).

**Wang:2012:SBC**

- [49] Baocheng Wang, Chenguang Yang, Zhijun Li, and Alex Smith. sEMG-based control of an exoskeleton robot arm. *Lecture Notes in Computer Science*, 7507:63–73, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_7/).

**Reinhart:2012:AAH**

- [50] Gunther Reinhart, Ruediger Spillner, and Yi Shen. Approaches of applying human-robot-interaction-technologies to assist workers with musculoskeletal disorders in production. *Lecture Notes in Computer Science*, 7507:74–84, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_8/).

**Chen:2012:SSF**

- [51] Yixiong Chen, Jin Hu, Feng Zhang, and Zengguang Hou. Simulation study of an FES-involved control strategy for lower limb rehabilitation robot. *Lecture Notes in Computer Science*, 7507:85–95, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_9/).

**lv:2012:DRR**

- [52] Chao Lv, Le Xie, Wei Shao, Hai long Yu, Yuan Wang, Jin wu Wang, and Ning Nan. Development of a rehabilitation robot for upper-limb movements. *Lecture Notes in Computer Science*, 7507:96–102, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_10/).

**Zhang:2012:DON**

- [53] Gang Zhang, PinKuan Liu, and Han Ding. Dynamic optimization with a new performance index for a 2-DoF translational parallel manipulator. *Lecture Notes in Computer Science*, 7507:103–115, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_11/).

**Guo:2012:RPP**

- [54] Qiwei Guo, Yueming Hu, Zhifu Li, and Ge Ma. Research of piezoelectric printing actuator for high-power white LED phosphor coating. *Lecture Notes in Computer Science*, 7507:116–126, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_12/).

**Gao:2012:DOP**

- [55] Jian Gao, Zhiliang Wang, Yanyun Liu, Chuanxia Jian, and Xin Chen. Development of OLED panel defect detection system through improved Otsu algorithm. *Lecture Notes in Computer Science*, 7507:127–134, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_13/).

**Zhang:2012:LCS**

- [56] Jinsong Zhang and Jianhua Zhang. The linkage control strategy for the two-phase flow dispensing system. *Lecture Notes in Computer Science*, 7507:135–144, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_14/).

**Ge:2012:TTF**

- [57] Junfeng Ge, Yuneng Lai, Yuanhao Huang, and Jianhua Zhang. The transient temperature field measurement system for laser bonding process. *Lecture Notes in Computer Science*, 7507:145–152, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_15/).

**Yan:2012:MEI**

- [58] Wei Yan, Enrong Wang, Yang Zhao, Rakheja Subhash, and Chunyi Su. Modeling of electromagnetic interference noise mechanism for magnetorheological damper. *Lecture Notes in Computer Science*, 7507:153–163, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_16/).

**Hocherl:2012:IBA**

- [59] Johannes Höcherl and Thomas Schlegl. An image based algorithm to safely locate human extremities for human-robot collaboration. *Lecture Notes in Computer Science*, 7507:164–175, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_17/).

**Zhou:2012:RMD**

- [60] Hangfei Zhou, Jian Fei, Gen Pan, Weixin Yan, Zhuang Fu, and Yanzheng Zhao. Research of a multi-DOF pathological sampling flexible robot. *Lecture Notes in Computer Science*, 7507:176–185, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_18/).

**Rossmann:2012:CSN**

- [61] Juergen Rossmann, Michael Schluse, Christian Schlette, and Ralf Waspe. Control by 3D simulation — a new eRobotics approach to control design in automation. *Lecture Notes in Computer Science*, 7507:186–197, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_19/).

**Liu:2012:HIE**

- [62] Peter Liu and Chang-En Yang. Human intention estimation using time-varying fuzzy Markov models for natural non-verbal human robot interface. *Lecture Notes in Computer Science*, 7507:198–206, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33515-0\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33515-0_20/).

**Anonymous:2012:FMc**

- [63] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7507:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33515-0/1>.

**Yan:2012:MNP**

- [64] Jingwen Yan, Shannon L. Risacher, and Sungeun Kim. Multimodal neuroimaging predictors for cognitive performance using structured sparse learning. *Lecture Notes in Computer Science*, 7509:1–17, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_1/).

**Dyrba:2012:CDM**

- [65] Martin Dyrba, Michael Ewers, and Martin Wegrzyn. Combining DTI and MRI for the automated detection of Alzheimer’s disease using a large European multicenter dataset. *Lecture Notes in Computer Science*, 7509:18–28, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_2/).

**Jahanshad:2012:GPL**

- [66] Neda Jahanshad, Gautam Prasad, and Arthur W. Toga. Genetics of path lengths in brain connectivity networks: HARDI-based maps in 457 adults. *Lecture Notes in Computer Science*, 7509:29–40, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_3/).

**Nir:2012:CNB**

- [67] Talia M. Nir, Neda Jahanshad, and Arthur W. Toga. Connectivity network breakdown predicts imminent volumetric atrophy in early mild cognitive impairment. *Lecture Notes in Computer Science*, 7509: 41–50, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_4/).

**Yoldemir:2012:DER**

- [68] Burak Yoldemir, Bernard Ng, and Rafeef Abugharbieh. Deconfounding the effects of resting state activity on task activation detection in fMRI. *Lecture Notes in Computer Science*, 7509:51–60, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_5/).

**Shi:2012:HRF**

- [69] Jie Shi, Paul M. Thompson, and Yalin Wang. Hyperbolic Ricci flow and its application in studying lateral ventricle morphometry. *Lecture Notes in Computer Science*, 7509:61–76, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_6/).

**Landman:2012:DWR**

- [70] Bennett A. Landman, Xue Yang, and Hakmook Kang. Do we really need robust and alternative inference methods for brain MRI? *Lecture Notes in Computer Science*, 7509:77–93, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_7/).

**Zhang:2012:SPB**

- [71] Daoqiang Zhang, Qimiao Guo, Guorong Wu, and Dinggang Shen. Sparse patch-based label fusion for multi-atlas segmentation. *Lecture Notes in Computer Science*, 7509:94–102, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_8/).

**Awate:2012:HMT**

- [72] Suyash P. Awate, Peihong Zhu, and Ross T. Whitaker. How many templates does it take for a good segmentation?: Error analysis in multiatlas segmentation as a function of database size. *Lecture Notes in Computer Science*, 7509:103–114, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_9/).

**Iglesias:2012:GMP**

- [73] Juan Eugenio Iglesias and Mert Rory Sabuncu. A generative model for probabilistic label fusion of multimodal data. *Lecture Notes in Computer Science*, 7509:115–133, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_10/).

**Liu:2012:SNL**

- [74] Wei Liu, Xiaozheng Liu, Xiaofu He, Zhenyu Zhou, and Ying Wen. Spatial normalization of diffusion tensor images with voxel-wise reconstruction of the diffusion gradient direction. *Lecture Notes in Computer Science*, 7509:134–146, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_11/).

**Jin:2012:APH**

- [75] Yan Jin, Yonggang Shi, Liang Zhan, and Junning Li. Automatic population HARDI white matter tract clustering by label fusion of multiple tract atlases. *Lecture Notes in Computer Science*, 7509:147–156, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_12/).

**Strumia:2012:CCS**

- [76] Maddalena Strumia and Constantin Anastasopoulos. Comparative characterisation of susceptibility weighted MRI for brain white matter lesions in MS. *Lecture Notes in Computer Science*, 7509:157–166, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_13/).

**Zhang:2012:CFA**

- [77] Tuo Zhang, Lei Guo, Hanbo Chen, Xintao Hu, and Kaiming Li. Constructing fiber atlases for functional ROIs via fMRI-guided DTI image registration. *Lecture Notes in Computer Science*, 7509:167–174, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_14/).

**Jie:2012:SFS**

- [78] Biao Jie, Daoqiang Zhang, Chong-Yaw Wee, and Dinggang Shen. Structural feature selection for connectivity network-based MCI diagnosis. *Lecture Notes in Computer Science*, 7509:175–184, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_15/).

**Wang:2012:GSI**

- [79] Yaping Wang, Hongjun Jia, Pew-Thian Yap, and Bo Cheng. Group-wise segmentation improves neuroimaging classification accuracy. *Lecture Notes in Computer Science*, 7509:185–193, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_16/).

**Yap:2012:DDU**

- [80] Pew-Thian Yap and Dinggang Shen. DWI denoising using spatial, angular, and radiometric filtering. *Lecture Notes in Computer Science*, 7509:194–202, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_17/).

**Cao:2012:MER**

- [81] Fang Cao, Olivier Commowick, and Elise Bannier. MRI estimation of  $T_1$  relaxation time using a constrained optimization algorithm. *Lecture Notes in Computer Science*, 7509:203–214, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_18/).

**Maumet:2012:RCB**

- [82] Camille Maumet, Pierre Maurel, and Jean-Christophe Ferré. Robust cerebral blood flow map estimation in arterial spin labeling. *Lecture Notes in Computer Science*, 7509:215–224, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33530-3\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33530-3_19/).

**Anonymous:2012:BMa**

- [83] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7509:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-33530-3/1>.

**Anonymous:2012:FMd**

- [84] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7509:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33530-3/1>.

**Freiman:2012:RAP**

- [85] M. Freiman, S. D. Voss, R. V. Mulkern, J. M. Perez-Rossello, and M. J. Callahan. Reliable assessment of perfusivity and diffusivity from

diffusion imaging of the body. *Lecture Notes in Computer Science*, 7510:1–9, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_1/).

**Wolz:2012:MOA**

- [86] Robin Wolz, Chengwen Chu, Kazunari Misawa, Kensaku Mori, and Daniel Rueckert. Multi-organ abdominal CT segmentation using hierarchically weighted subject-specific atlases. *Lecture Notes in Computer Science*, 7510:10–17, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_2/).

**Diotte:2012:RFD**

- [87] Benoit Diotte, Pascal Fallavollita, Lejing Wang, Simon Weidert, and Peter-Helmut Thaller. Radiation-free drill guidance in interlocking of intramedullary nails. *Lecture Notes in Computer Science*, 7510:18–25, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_3/).

**Zuo:2012:DER**

- [88] Siyang Zuo, Takeshi Ohdaira, Kenta Kuwana, Yoshihiro Nagao, and Satoshi Ieiri. Developing essential rigid-flexible outer sheath to enable novel multi-piercing surgery. *Lecture Notes in Computer Science*, 7510:26–33, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_4/).

**Haro:2012:SGC**

- [89] Benjamín Béjar Haro, Luca Zappella, and René Vidal. Surgical gesture classification from video data. *Lecture Notes in Computer Science*, 7510:34–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_5/).

**Schneider:2012:RUP**

- [90] Caitlin Schneider, Ali Baghani, Robert Rohling, and Septimiu Salcudean. Remote ultrasound palpation for robotic interventions using absolute elastography. *Lecture Notes in Computer Science*, 7510:42–49, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_6/).

**Peterlik:2012:MRT**

- [91] Igor Peterlík, Christian Duriez, and Stéphane Cotin. Modeling and real-time simulation of a vascularized liver tissue. *Lecture Notes in Computer Science*, 7510:50–57, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_7/).

**Xu:2012:EOC**

- [92] Yanwu Xu, Jiang Liu, Stephen Lin, Dong Xu, Carol Y. Cheung, Tin Aung, and Tien Yin Wong. Efficient optic cup detection from intra-image learning with retinal structure priors. *Lecture Notes in Computer Science*, 7510:58–65, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_8/).

**Bousleiman:2012:PBD**

- [93] Habib Bousleiman, Christof Seiler, Tateyuki Iizuka, Lutz-Peter Nolte, and Mauricio Reyes. Population-based design of mandibular plates based on bone quality and morphology. *Lecture Notes in Computer Science*, 7510:66–73, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_9/).

**Song:2012:TAD**

- [94] Yang Song, Weidong Cai, Yun Zhou, and Dagan Feng. Thoracic abnormality detection with data adaptive structure estimation. *Lecture Notes in Computer Science*, 7510:74–81, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_10/).

**Cheng:2012:DTL**

- [95] Bo Cheng, Daoqiang Zhang, and Dinggang Shen. Domain transfer learning for MCI conversion prediction. *Lecture Notes in Computer Science*, 7510:82–90, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_11/).

**Bano:2012:SPL**

- [96] J. Bano, A. Hostettler, S. A. Nicolau, S. Cotin, C. Doignon, H. S. Wu, and M. H. Huang. Simulation of pneumoperitoneum for laparoscopic surgery planning. *Lecture Notes in Computer Science*, 7510:91–98, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_12/).

**Pan:2012:IKR**

- [97] Binbin Pan, James J. Xia, Peng Yuan, Jaime Gateno, Horace H. S. Ip, and Qizhen He. Incremental kernel ridge regression for the prediction of soft tissue deformations. *Lecture Notes in Computer Science*, 7510:99–106, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_13/).

**George:2012:FMC**

- [98] Jose George, Kathleen Vunckx, Elke Van de Castele, and Sabine Tejpar. Fuzzy multi-class statistical modeling for efficient total lesion metabolic activity estimation from realistic PET images. *Lecture Notes in Computer Science*, 7510:107–114, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_14/).

**Nguyen:2012:SCP**

- [99] Kien Nguyen, Anindya Sarkar, and Anil K. Jain. Structure and context in prostatic gland segmentation and classification. *Lecture Notes in Computer Science*, 7510:115–123, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_15/).

**Liu:2012:QCT**

- [100] Yinxiao Liu, Punam K. Saha, and Ziyue Xu. Quantitative characterization of trabecular bone micro-architecture using tensor scale and multi-detector CT imaging. *Lecture Notes in Computer Science*, 7510:124–131, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_16/).

**Singh:2012:GSF**

- [101] Nikhil Singh, Angela Y. Wang, Preethi Sankaranarayanan, and P. Thomas Fletcher. Genetic, structural and functional imaging biomarkers for early detection of conversion from MCI to AD. *Lecture Notes in Computer Science*, 7510:132–140, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_17/).

**Zhan:2012:RMS**

- [102] Yiqiang Zhan, Dewan Maneesh, Martin Harder, and Xiang Sean Zhou. Robust MR spine detection using hierarchical learning and local articulated

model. *Lecture Notes in Computer Science*, 7510:141–148, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_18/).

**Duong:2012:SRB**

- [103] D. Duong, D. Shastri, P. Tsiamyrtzis, and I. Pavlidis. Spatiotemporal reconstruction of the breathing function. *Lecture Notes in Computer Science*, 7510:149–156, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_19/).

**Cruz-Roa:2012:VLS**

- [104] Angel Cruz-Roa, Fabio González, Joseph Galaro, Alexander R. Judkins, and David Ellison. A visual latent semantic approach for automatic analysis and interpretation of anaplastic medulloblastoma virtual slides. *Lecture Notes in Computer Science*, 7510:157–164, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33415-3\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33415-3_20/).

**Anonymous:2012:FMe**

- [105] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7510:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33415-3/1>.

**Kutra:2012:AMM**

- [106] Dominik Kutra, Axel Saalbach, Helko Lehmann, Alexandra Groth, and Sebastian P. M. Dries. Automatic multi-model-based segmentation of the left atrium in cardiac MRI scans. *Lecture Notes in Computer Science*, 7511:1–8, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_1/).

**Bismuth:2012:CSE**

- [107] Vincent Bismuth, Régis Vaillant, Hugues Talbot, and Laurent Najman. Curvilinear structure enhancement with the polygonal path image- application to guide-wire segmentation in X-ray fluoroscopy. *Lecture Notes in Computer Science*, 7511:9–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_2/).

**Wang:2012:CTO**

- [108] Peng Wang, Yefeng Zheng, Matthias John, and Dorin Comaniciu. Catheter tracking via online learning for dynamic motion compensation

in transcatheter aortic valve implantation. *Lecture Notes in Computer Science*, 7511:17–24, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_3/).

**Housden:2012:ERT**

- [109] R. J. Housden, A. Arujuna, Y. Ma, N. Nijhof, G. Gijssbers, R. Bullens, and M. O’Neill. Evaluation of a real-time hybrid three-dimensional echo and X-ray imaging system for guidance of cardiac catheterisation procedures. *Lecture Notes in Computer Science*, 7511:25–32, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_4/).

**Rapaka:2012:LEL**

- [110] S. Rapaka, T. Mansi, B. Georgescu, M. Pop, G. A. Wright, A. Kamen, and Dorin Comaniciu. LBM-EP: Lattice-boltzmann method for fast cardiac electrophysiology simulation from 3D images. *Lecture Notes in Computer Science*, 7511:33–40, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_5/).

**Marchesseau:2012:CMP**

- [111] Stéphanie Marchesseau, Hervé Delingette, Maxime Sermesant, and Kawal Rhode. Cardiac mechanical parameter calibration based on the unscented transform. *Lecture Notes in Computer Science*, 7511:41–48, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_6/).

**Bernardis:2012:TSA**

- [112] Elena Bernardis, Ender Konukoglu, Yangming Ou, Dimitris N. Metaxas, and Benoit Desjardins. Temporal shape analysis via the spectral signature. *Lecture Notes in Computer Science*, 7511:49–56, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_7/).

**Siless:2012:JTB**

- [113] Viviana Siless, Joan Glaunès, Pamela Guevara, Jean-François Mangin, and Cyril Poupon. Joint T1 and brain fiber log-demons registration using currents to model geometry. *Lecture Notes in Computer Science*, 7511:57–65, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_8/).

**Steger:2012:ASB**

- [114] Sebastian Steger and Stefan Wesarg. Automated skeleton based multi-modal deformable registration of head&neck datasets. *Lecture Notes in Computer Science*, 7511:66–73, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_9/).

**Schmidt-Richberg:2012:LRI**

- [115] Alexander Schmidt-Richberg, Jan Ehrhardt, René Werner, and Heinz Handels. Lung registration with improved fissure alignment by integration of pulmonary lobe segmentation. *Lecture Notes in Computer Science*, 7511:74–81, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_10/).

**Hacihaliloglu:2012:UCR**

- [116] Ilker Hacihaliloglu, Anna Brounstein, Pierre Guy, Antony Hodgson, and Rafeef Abugharbieh. 3D ultrasound-CT registration in orthopaedic trauma using GMM registration with optimized particle simulation-based data reduction. *Lecture Notes in Computer Science*, 7511:82–89, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_11/).

**Wu:2012:HAG**

- [117] Guorong Wu, Minjeong Kim, Qian Wang, and Dinggang Shen. Hierarchical attribute-guided symmetric diffeomorphic registration for MR brain images. *Lecture Notes in Computer Science*, 7511:90–97, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_12/).

**Mirzaalian:2012:UBF**

- [118] Hengameh Mirzaalian, Tim K. Lee, and Ghassan Hamarneh. Uncertainty-based feature learning for skin lesion matching using a high order MRF optimization framework. *Lecture Notes in Computer Science*, 7511:98–105, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_13/).

**Hanaoka:2012:ACA**

- [119] Shouhei Hanaoka, Yoshitaka Masutani, Mitsutaka Nemoto, and Yukihiro Nomura. Automatic categorization of anatomical landmark-local appear-

ances based on diffeomorphic demons and spectral clustering for constructing detector ensembles. *Lecture Notes in Computer Science*, 7511: 106–113, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_14/).

**El-Baz:2012:NAG**

- [120] Ayman El-Baz, Fahmi Khalifa, Ahmed Elnakib, Matthew Nitzken, and Ahmed Soliman. A novel approach for global lung registration using 3D Markov–Gibbs appearance model. *Lecture Notes in Computer Science*, 7511:114–121, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_15/).

**Shackelford:2012:ARU**

- [121] James A. Shackelford, Qi Yang, Ana M. Lourenço, Nadya Shusharina, and Nagarajan Kandasamy. Analytic regularization of uniform cubic B-spline deformation fields. *Lecture Notes in Computer Science*, 7511: 122–129, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_16/).

**Seiler:2012:SMP**

- [122] Christof Seiler, Xavier Pennec, and Mauricio Reyes. Simultaneous multi-scale polyaffine registration by incorporating deformation statistics. *Lecture Notes in Computer Science*, 7511:130–137, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_17/).

**Li:2012:FDT**

- [123] Junning Li, Yonggang Shi, Giang Tran, Ivo Dinov, Danny J. J. Wang, and Arthur W. Toga. Fast diffusion tensor registration with exact reorientation and regularization. *Lecture Notes in Computer Science*, 7511: 138–145, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_18/).

**Zhang:2012:RBS**

- [124] Minqi Zhang, Fang Li, Ying He, Shi Lin, Defeng Wang, and Lok Ming Lui. Registration of brainstem surfaces in adolescent idiopathic scoliosis using discrete Ricci flow. *Lecture Notes in Computer Science*, 7511: 146–154, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_19/).

**vandeGiessen:2012:GRR**

- [125] Martijn van de Giessen, Frans M. Vos, Cornelis A. Grimbergen, and Lucas J. van Vliet. Groupwise rigid registration of wrist bones. *Lecture Notes in Computer Science*, 7511:155–162, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33418-4\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33418-4_20/).

**Anonymous:2012:FMf**

- [126] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7511:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33418-4/1>.

**Bilgic:2012:ADS**

- [127] Berkin Bilgic, Kawin Setsompop, Julien Cohen-Adad, Van Wedeen, and Lawrence L. Wald. Accelerated diffusion spectrum imaging with compressed sensing using adaptive dictionaries. *Lecture Notes in Computer Science*, 7512:1–9, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_1/).

**Merlet:2012:PDL**

- [128] Sylvain Merlet, Emmanuel Caruyer, and Rachid Deriche. Parametric dictionary learning for modeling EAP and ODF in diffusion MRI. *Lecture Notes in Computer Science*, 7512:10–17, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_2/).

**Yap:2012:RED**

- [129] Pew-Thian Yap and Dinggang Shen. Resolution enhancement of diffusion-weighted images by local fiber profiling. *Lecture Notes in Computer Science*, 7512:18–25, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_3/).

**Cardoso:2012:GSB**

- [130] M. Jorge Cardoso, Gavin Winston, Marc Modat, Shiva Keihaninejad, and John Duncan. Geodesic shape-based averaging. *Lecture Notes in Computer Science*, 7512:26–33, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_4/).

**Savadjiev:2012:MSC**

- [131] Peter Savadjiev, Yogesh Rathi, Sylvain Bouix, Ragini Verma, and Carl-Fredrik Westin. Multi-scale characterization of white matter tract geometry. *Lecture Notes in Computer Science*, 7512:34–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_5/).

**Vogel:2012:OAG**

- [132] Jakob Vogel, Tobias Reichl, José Gardiazabal, Nassir Navab, and Tobias Lasser. Optimization of acquisition geometry for intra-operative tomographic imaging. *Lecture Notes in Computer Science*, 7512:42–49, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_6/).

**Iglesias:2012:IPU**

- [133] Juan Eugenio Iglesias, Mert Rory Sabuncu, and Koen Van Leemput. Incorporating parameter uncertainty in Bayesian segmentation models: Application to hippocampal subfield volumetry. *Lecture Notes in Computer Science*, 7512:50–57, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_7/).

**Huang:2012:DAM**

- [134] Xiaojie Huang, Donald P. Dione, Colin B. Compas, Xenophon Papademetris, and Ben A. Lin. A dynamical appearance model based on multiscale sparse representation: Segmentation of the left ventricle from 4D echocardiography. *Lecture Notes in Computer Science*, 7512:58–65, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_8/).

**Cuingnet:2012:ADS**

- [135] Rémi Cuingnet, Raphael Prevost, David Lesage, Laurent D. Cohen, and Benoît Mory. Automatic detection and segmentation of kidneys in 3D CT images using random forests. *Lecture Notes in Computer Science*, 7512:66–74, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_9/).

**Konukoglu:2012:NAF**

- [136] Ender Konukoglu, Ben Glocker, Darko Zikic, and Antonio Criminisi. Neighbourhood approximation forests. *Lecture Notes in Computer Sci-*

ence, 7512:75–82, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_10/).

**Kwitt:2012:RUV**

- [137] Roland Kwitt, Nuno Vasconcelos, Sharif Razzaque, and Stephen Aylward. Recognition in ultrasound videos: Where am I? *Lecture Notes in Computer Science*, 7512:83–90, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_11/).

**Rivaz:2012:SSW**

- [138] Hassan Rivaz and D. Louis Collins. Self-similarity weighted mutual information: a new nonrigid image registration metric. *Lecture Notes in Computer Science*, 7512:91–98, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_12/).

**Lekadir:2012:IPP**

- [139] Karim Lekadir, Alejandro F. Frangi, and Guang-Zhong Yang. Inter-point Procrustes: Identifying regional and large differences in 3D anatomical shapes. *Lecture Notes in Computer Science*, 7512:99–106, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_13/).

**Risholm:2012:SOH**

- [140] Petter Risholm, Firdaus Janoos, Jennifer Pursley, Andriy Fedorov, and Clare Tempany. Selection of optimal hyper-parameters for estimation of uncertainty in MRI-TRUS registration of the prostate. *Lecture Notes in Computer Science*, 7512:107–114, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_14/).

**Heinrich:2012:GOD**

- [141] Mattias P. Heinrich, Mark Jenkinson, Sir Michael Brady, and Julia A. Schnabel. Globally optimal deformable registration on a minimum spanning tree using dense displacement sampling. *Lecture Notes in Computer Science*, 7512:115–122, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_15/).

**ODonnell:2012:UGR**

- [142] Lauren J. O'Donnell, William M. Wells III, Alexandra J. Golby, and Carl-Fredrik Westin. Unbiased groupwise registration of white matter tractography. *Lecture Notes in Computer Science*, 7512:123–130, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_16/).

**Ye:2012:RML**

- [143] Dong Hye Ye, Jihun Hamm, Dongjin Kwon, Christos Davatzikos, and Kilian M. Pohl. Regional manifold learning for deformable registration of brain MR images. *Lecture Notes in Computer Science*, 7512:131–138, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_17/).

**Datteri:2012:ERT**

- [144] Ryan D. Datteri and Benoît M. Dawant. Estimation and reduction of target registration error. *Lecture Notes in Computer Science*, 7512:139–146, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_18/).

**Feragen:2012:HSG**

- [145] Aasa Feragen, Jens Petersen, Megan Owen, Pechin Lo, and Laura H. Thomsen. A hierarchical scheme for geodesic anatomical labeling of airway trees. *Lecture Notes in Computer Science*, 7512:147–155, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_19/).

**Zhang:2012:IGN**

- [146] Pei Zhang, Pew-Thian Yap, Dinggang Shen, and Timothy F. Cootes. Initialising groupwise non-rigid registration using multiple parts+geometry models. *Lecture Notes in Computer Science*, 7512:156–163, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33454-2\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33454-2_20/).

**Anonymous:2012:FMg**

- [147] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7512:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33454-2/1>.

**Xiao:2012:ALS**

- [148] Jian Xiao, Yu Zhang, Shuwei Chen, and Huashan Yu. An application-level scheduling with task bundling approach for many-task computing in heterogeneous environments. *Lecture Notes in Computer Science*, 7513:1–13, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_1/).

**Meng:2012:DAS**

- [149] Jintao Meng, Jianrui Yuan, Jiefeng Cheng, Yanjie Wei, and Shengzhong Feng. DGraph: Algorithms for shotgun reads assembly using De Bruijn graph. *Lecture Notes in Computer Science*, 7513:14–21, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_2/).

**Wang:2012:KBA**

- [150] Yizhuo Wang, Weixing Ji, Feng Shi, Qi Zuo, and Ning Deng. Knowledge-based adaptive self-scheduling. *Lecture Notes in Computer Science*, 7513:22–32, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_3/).

**Talpur:2012:CLA**

- [151] Shahnawaz Talpur, Feng Shi, and Yizhuo Wang. Communication locality analysis of triplet-based hierarchical interconnection network in chip multiprocessor. *Lecture Notes in Computer Science*, 7513:33–41, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_4/).

**Lee:2012:SSS**

- [152] Jae-Young Lee. A scoring system for short answers on the test in a large group. *Lecture Notes in Computer Science*, 7513:42–47, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_5/).

**Duncan:2012:RVD**

- [153] Ralph Duncan, Peder Jungck, Kenneth Ross, and Dwight Mulcahy. Reference variables for dynamic, reliable packet operations. *Lecture Notes in Computer Science*, 7513:48–60, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_6/).

**Salim:2012:HCN**

- [154] Shelly Salim, Christian H. W. Oey, and Sangman Moh. Are heterogeneous cellular networks superior to homogeneous ones? *Lecture Notes in Computer Science*, 7513:61–68, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_7/).

**Zhang:2012:DSW**

- [155] Longbo Zhang, Chen Yu, and Hai Jin. Dynamic spray and wait routing protocol for delay tolerant networks. *Lecture Notes in Computer Science*, 7513:69–76, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_8/).

**Soltani:2012:DPA**

- [156] Narjes Soltani, Ehsan Mousavi Khaneghah, Mohsen Sharifi, and Seyedeh Leili Mirtaheri. A dynamic popularity-aware load balancing algorithm for structured P2P systems. *Lecture Notes in Computer Science*, 7513:77–84, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_9/).

**Lin:2012:NCS**

- [157] Jinzhi Lin, Ying Wu, Gongyi Wu, and Jingdong Xu. NCCPIS: a co-simulation tool for networked control and cyber-physical system evaluation. *Lecture Notes in Computer Science*, 7513:85–93, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_10/).

**Ahmed:2012:DST**

- [158] Muhammad Ahmed, Xu Huang, and Dharmendra Sharma. Dempster-shafer theory to identify insider attacker in wireless sensor network. *Lecture Notes in Computer Science*, 7513:94–100, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_11/).

**Cheng:2012:MIC**

- [159] Bo-Chao Cheng, Guo-Tan Liao, Ching-Kai Lin, Shih-Chun Hsu, Ping-Hai Hsu, and Jong Hyuk Park. MIB-ITrace-CP: An improvement of ICMP-based traceback efficiency in network forensic analysis. *Lecture Notes in Computer Science*, 7513:101–109, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_12/).

**Wang:2012:BRR**

- [160] Ding Wang, Chun guang Ma, Sen dong Zhao, and Chang li Zhou. Breaking a robust remote user authentication scheme using Smart Cards. *Lecture Notes in Computer Science*, 7513:110–118, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_13/).

**Memon:2012:APP**

- [161] Irfana Memon. An analysis of privacy preserving data aggregation protocols for WSNs. *Lecture Notes in Computer Science*, 7513:119–128, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_14/).

**Krishnaveni:2012:HOJ**

- [162] R. Krishnaveni, C. Chellappan, and R. Dhanalakshmi. Hybrid obfuscated Javascript strength analysis system for detection of malicious websites. *Lecture Notes in Computer Science*, 7513:129–137, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_15/).

**Lee:2012:DMW**

- [163] Taeseung Lee, Giyoun Won, Seongje Cho, Namje Park, and Dongho Won. Detection and mitigation of Web application vulnerabilities based on security testing. *Lecture Notes in Computer Science*, 7513:138–144, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_16/).

**Meng:2012:SWA**

- [164] Jintao Meng, Jianrui Yuan, Jiefeng Cheng, Yanjie Wei, and Shengzhong Feng. Small world asynchronous parallel model for genome assembly. *Lecture Notes in Computer Science*, 7513:145–155, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_17/).

**Jiang:2012:UNG**

- [165] Haitao Jiang, Yun Xu, Yin Liao, Guojie Jin, and Guoliang Chen. UKCF: a new graphics driver cross-platform translation framework for virtual machines. *Lecture Notes in Computer Science*, 7513:156–163, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_18/).

**Li:2012:FPG**

- [166] Yongnan Li, Limin Xiao, Aihua Liang, Yao Zheng, and Li Ruan. Fast parallel Garner Algorithm for Chinese Remainder Theorem. *Lecture Notes in Computer Science*, 7513:164–171, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_19/).

**Zhou:2012:DFD**

- [167] Xu Zhou, Kai Lu, Xicheng Lu, Xiaoping Wang, and Baohua Fan. dMPI: Facilitating debugging of MPI programs via deterministic message passing. *Lecture Notes in Computer Science*, 7513:172–179, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35606-3\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-35606-3_20/).

**Anonymous:2012:FMh**

- [168] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7513:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-35606-3/1>.

**Deb:2012:AEM**

- [169] Kalyanmoy Deb. Advances in evolutionary multi-objective optimization. *Lecture Notes in Computer Science*, 7515:1–26, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_1/).

**DiPenta:2012:SMS**

- [170] Massimiliano Di Penta. SBSE meets software maintenance: Achievements and open problems. *Lecture Notes in Computer Science*, 7515:27–28, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33119-0\\_2](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33119-0_2).

**Poulding:2012:THP**

- [171] Simon Poulding. Tutorial: High performance SBSE using commodity graphics cards. *Lecture Notes in Computer Science*, 7515:29, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33119-0\\_3](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33119-0_3).

**Aitken:2012:ERN**

- [172] Jonathan M. Aitken, Rob Alexander, Tim Kelly, and Simon Poulding. Evolving robust networks for systems-of-systems. *Lecture Notes in*

*Computer Science*, 7515:30–44, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_4/).

**Arito:2012:ASS**

- [173] Franco Arito, Francisco Chicano, and Enrique Alba. On the application of SAT solvers to the test suite minimization problem. *Lecture Notes in Computer Science*, 7515:45–59, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_5/).

**Barros:2012:EIR**

- [174] Márcio de Oliveira Barros. Evaluating the importance of randomness in search-based software engineering. *Lecture Notes in Computer Science*, 7515:60–74, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_6/).

**Bavota:2012:PDL**

- [175] Gabriele Bavota, Filomena Carnevale, Andrea De Lucia, and Massimiliano Di Penta. Putting the developer in-the-loop: An interactive GA for software re-modularization. *Lecture Notes in Computer Science*, 7515:75–89, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_7/).

**Bhattacharya:2012:OTS**

- [176] Neelesh Bhattacharya, Olfat El-Mahi, Etienne Duclos, and Giovanni Beltrame. Optimizing threads schedule alignments to expose the interference bug pattern. *Lecture Notes in Computer Science*, 7515:90–104, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_8/).

**Bozkurt:2012:ORT**

- [177] Mustafa Bozkurt and Mark Harman. Optimised realistic test input generation using Web services. *Lecture Notes in Computer Science*, 7515:105–120, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_9/).

**Ghaith:2012:ISS**

- [178] Shadi Ghaith and Mel Ó Cinnéide. Improving software security using search-based refactoring. *Lecture Notes in Computer Science*, 7515: 121–135, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_10/).

**Iqbal:2012:CSB**

- [179] Muhammad Zohaib Iqbal, Andrea Arcuri, and Lionel Briand. Combining search-based and adaptive random testing strategies for environment model-based testing of real-time embedded systems. *Lecture Notes in Computer Science*, 7515:136–151, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_11/).

**Hruba:2012:TCP**

- [180] Vendula Hrubá, Bohuslav Křena, Zdeněk Letko, Shmuel Ur, and Tomáš Vojnar. Testing of concurrent programs using genetic algorithms. *Lecture Notes in Computer Science*, 7515:152–167, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_12/).

**Lopez-Herrejon:2012:REF**

- [181] Roberto Erick Lopez-Herrejon, José A. Galindo, David Benavides, and Sergio Segura. Reverse engineering feature models with evolutionary algorithms: An exploratory study. *Lecture Notes in Computer Science*, 7515: 168–182, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_13/).

**Millard:2012:SPO**

- [182] Alan G. Millard, David R. White, and John A. Clark. Searching for pareto-optimal randomised algorithms. *Lecture Notes in Computer Science*, 7515: 183–197, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_14/).

**Ramirez:2012:ARG**

- [183] Andres J. Ramirez, Erik M. Fredericks, Adam C. Jensen, and Betty H. C. Cheng. Automatically RELAXing a goal model to cope with uncertainty. *Lecture Notes in Computer Science*, 7515:198–212, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_15/).

**Sakti:2012:BSB**

- [184] Abdelilah Sakti, Yann-Gaël Guéhéneuc, and Gilles Pesant. Boosting search based testing by using constraint based testing. *Lecture Notes in Computer Science*, 7515:213–227, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_16/).

**Tomasi:2012:DDR**

- [185] Alex Tomasi, Alessandro Marchetto, and Chiara Di Francescomarino. Domain-driven reduction optimization of recovered business processes. *Lecture Notes in Computer Science*, 7515:228–243, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_17/).

**Yoo:2012:EHC**

- [186] Shin Yoo. Evolving human competitive spectra-based fault localisation techniques. *Lecture Notes in Computer Science*, 7515:244–258, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_18/).

**Colanzi:2012:ASB**

- [187] Thelma Elita Colanzi and Silvia Regina Vergilio. Applying search based optimization to software product line architectures: Lessons learned. *Lecture Notes in Computer Science*, 7515:259–266, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_19/).

**Etemaadi:2012:PSS**

- [188] Ramin Etemaadi, Michael T. M. Emmerich, and Michel R. V. Chaudron. Problem-specific search operators for metaheuristic software architecture design. *Lecture Notes in Computer Science*, 7515:267–272, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33119-0\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33119-0_20/).

**Anonymous:2012:FMi**

- [189] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7515:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33119-0/1>.

**Luna:2012:CVE**

- [190] Andrés Saraos Luna, Valérie Gouranton, and Bruno Arnaldi. Collaborative virtual environments for training: a unified interaction model for real humans and virtual humans. *Lecture Notes in Computer Science*, 7516:1–12, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_1/).

**Gedeon:2012:DSV**

- [191] Tom Gedeon, Dingyun Zhu, and Stephane Bersot. Developing a situated virtual reality simulation for telerobotic control and training. *Lecture Notes in Computer Science*, 7516:13–22, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_2/).

**Wendel:2012:GMC**

- [192] Viktor Wendel, Stefan Göbel, and Ralf Steinmetz. Game mastering in collaborative multiplayer serious games. *Lecture Notes in Computer Science*, 7516:23–34, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_3/).

**Berger:2012:IHR**

- [193] Florian Berger and Wolfgang Müller. Implementing high-resolution adaptivity in game-based learning. *Lecture Notes in Computer Science*, 7516:35–40, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_4/).

**Brom:2012:THS**

- [194] Cyril Brom, Vít Šisler, Michaela Buchtová, Daniel Klement, and David Levčík. Turning high-schools into laboratories? Lessons learnt from studies of instructional effectiveness of digital games in the curricular schooling system. *Lecture Notes in Computer Science*, 7516:41–53, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_5/).

**Szweda:2012:ANB**

- [195] Łukasz Szweda, Daniel Wilusz, and Jakub Flotyński. Application of NXT based robots for teaching Java-based concurrency. *Lecture Notes in Computer Science*, 7516:54–64, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_6/).

**Plass:2012:ELM**

- [196] Jan L. Plass, Bruce D. Homer, Elizabeth O. Hayward, Jonathan Frye, and Tsu-Ting Huang. The effect of learning mechanics design on learning outcomes in a computer-based geometry game. *Lecture Notes in Computer Science*, 7516:65–71, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_7/).

**Mildner:2012:SGA**

- [197] Philip Mildner, Christopher Campbell, Mark Himmelsbach, Christoph Malassa, and Marco Miczka. A serious game for architectural knowledge in the classroom. *Lecture Notes in Computer Science*, 7516:72–77, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_8/).

**Rausch:2012:ECD**

- [198] Steven Rausch, Uwe Fasshauer, and Alke Martens. Evaluation of competence development in WoW. *Lecture Notes in Computer Science*, 7516:78–88, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_9/).

**Giannakos:2012:GGP**

- [199] Michail N. Giannakos, Konstantinos Chorianopoulos, and Letizia Jaccheri. “this game is girly!” perceived enjoyment and student acceptance of edutainment. *Lecture Notes in Computer Science*, 7516:89–98, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_10/).

**Konert:2012:TSG**

- [200] Johannes Konert, Stefan Göbel, and Ralf Steinmetz. Towards a social game interaction taxonomy. *Lecture Notes in Computer Science*, 7516:99–110, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_11/).

**Ganguin:2012:MWM**

- [201] Sonja Ganguin and Anna Hoblitz. Mobile worlds: Mobile gaming and learning? *Lecture Notes in Computer Science*, 7516:111–120, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_12/).

**Takemata:2012:STC**

- [202] Kazuya Takemata, Akiyuki Minamide, and Sumio Nakamura. Science and technology communication activities by using 3D image projection system. *Lecture Notes in Computer Science*, 7516:121–124, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_13/).

**Pogrzeba:2012:PLC**

- [203] Loreen Pogrzeba, Markus Wacker, and Bernhard Jung. Potentials of a low-cost motion analysis system for exergames in rehabilitation and sports medicine. *Lecture Notes in Computer Science*, 7516:125–133, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_14/).

**Pranantha:2012:PIH**

- [204] Danu Pranantha, Francesco Bellotti, Ricardo Berta, and Alessandro De Gloria. Puzzle-it: An HTML5 serious games platform for education. *Lecture Notes in Computer Science*, 7516:134–143, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_15/).

**Mehm:2012:ASA**

- [205] Florian Mehm, Stefan Göbel, and Ralf Steinmetz. Authoring of serious adventure games in StoryTec. *Lecture Notes in Computer Science*, 7516:144–154, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_16/).

**Wu:2012:DIS**

- [206] Chun-Tsai Wu, Szu-Ming Chung, and Shao-Shiun Chang. Designing an interactive storytelling game. *Lecture Notes in Computer Science*, 7516:155–160, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_17/).

**Reuter:2012:TPT**

- [207] Christian Reuter, Viktor Wendel, Stefan Göbel, and Ralf Steinmetz. Towards puzzle templates for multiplayer adventures. *Lecture Notes in Computer Science*, 7516:161–163, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_18/).

**Korn:2012:CSU**

- [208] Oliver Korn, Michael Brach, Albrecht Schmidt, Thomas Hörz, and Robert Konrad. Context-sensitive user-centered scalability: An introduction focusing on exergames and assistive systems in work contexts. *Lecture Notes in Computer Science*, 7516:164–176, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_19/).

**Martin:2012:IDG**

- [209] Anna Lisa Martin and Josef Wiemeyer. The impact of different gaming interfaces on spatial experience and spatial presence — a pilot study. *Lecture Notes in Computer Science*, 7516:177–182, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33466-5\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33466-5_20/).

**Anonymous:2012:FMj**

- [210] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7516:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33466-5/1>.

**Lee:2012:SIM**

- [211] Deokwoo Lee and Hamid Krim. System identification: 3D measurement using structured light system. *Lecture Notes in Computer Science*, 7517:1–11, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_1/).

**Nemesin:2012:GIC**

- [212] Valérian Nemesin, Stéphane Derrode, and Amel Benazza-Benyahia. Gradual Iris code construction from close-up eye video. *Lecture Notes in Computer Science*, 7517:12–23, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_2/).

**Wang:2012:DVA**

- [213] Xin Wang, Boris Lenseigne, and Pieter Jonker. Depth from vergence and active calibration for humanoid robots. *Lecture Notes in Computer Science*, 7517:24–35, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_3/).

**Foix:2012:IGV**

- [214] Sergi Foix, Simon Kriegel, Stefan Fuchs, Guillem Alenyà, and Carme Torras. Information-gain view planning for free-form object reconstruction with a 3D ToF camera. *Lecture Notes in Computer Science*, 7517: 36–47, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_4/).

**DiCaterina:2012:DES**

- [215] Gaetano Di Caterina, Iain Hunter, and John J. Soraghan. DSP embedded smart surveillance sensor with robust SWAD-based tracker. *Lecture Notes in Computer Science*, 7517:48–58, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_5/).

**Karas:2012:GOC**

- [216] Pavel Karas, David Svoboda, and Pavel Zemčík. GPU optimization of convolution for large 3-D real images. *Lecture Notes in Computer Science*, 7517:59–71, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_6/).

**Malik:2012:MBF**

- [217] Krystyna Malik and Bogdan Smolka. Modified bilateral filter for the restoration of noisy color images. *Lecture Notes in Computer Science*, 7517:72–83, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_7/).

**Soleimani:2012:CSB**

- [218] Seyfollah Soleimani, Jacob Premkumar Sukumaran, Koen Douterloigne, and Filip Rooms. Correction, stitching and blur estimation of micrographs obtained at high speed. *Lecture Notes in Computer Science*, 7517: 84–95, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_8/).

**Elhamzi:2012:HIC**

- [219] Wajdi Elhamzi, Julien Dubois, Johel Miteran, Mohamed Atri, and Rached Tourki. Hardware implementation of a configurable motion estimator for adjusting the video coding performances. *Lecture Notes in Computer Science*, 7517:96–107, 2012. CODEN LNCS9. ISSN 0302-9743 (print),

1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_9/).

**Huber-Mork:2012:QAD**

- [220] Reinhold Huber-Mörk and Alexander Schindler. Quality assurance for document image collections in digital preservation. *Lecture Notes in Computer Science*, 7517:108–119, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_10/).

**Damghanian:2012:SPC**

- [221] Mitra Damghanian, Roger Olsson, and Mårten Sjöström. The sampling pattern cube — a representation and evaluation tool for optical capturing systems. *Lecture Notes in Computer Science*, 7517:120–131, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_11/).

**Couillaud:2012:IIA**

- [222] Julien Couillaud, Alain Horé, and Djemel Ziou. Improving image acquisition: a fish-inspired solution. *Lecture Notes in Computer Science*, 7517:132–141, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_12/).

**Cozzolino:2012:EEM**

- [223] Angelo Cozzolino, Francesco Flammini, Valentina Galli, and Mariangela Lamberti. Evaluating the effects of MJPEG compression on motion tracking in metro railway surveillance. *Lecture Notes in Computer Science*, 7517:142–154, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_13/).

**Hradis:2012:AIS**

- [224] Michal Hradiš, Martin Kolář, Aleš Láník, Jiří Král, Pavel Zemčík, and Pavel Smrž. Annotating images with suggestions— user study of a tagging system. *Lecture Notes in Computer Science*, 7517:155–166, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_14/).

**Soukup:2012:CCC**

- [225] Daniel Soukup and Reinhold Huber-Mörk. Cross-channel co-occurrence matrices for robust characterization of surface disruptions in  $2\frac{1}{2}$ D rail

image analysis. *Lecture Notes in Computer Science*, 7517:167–177, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_15/).

**Salas:2012:IHI**

- [226] Yainuvis Socarrás Salas, David Vázquez Bermudez, and Antonio M. López Peña. Improving HOG with image segmentation: Application to human detection. *Lecture Notes in Computer Science*, 7517:178–189, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_16/).

**Ghose:2012:SLF**

- [227] Soumya Ghose, Jhimli Mitra, Arnau Oliver, Robert Martí, Xavier Lladó, and Jordi Freixenet. A supervised learning framework for automatic prostate segmentation in trans rectal ultrasound images. *Lecture Notes in Computer Science*, 7517:190–200, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_17/).

**Lerme:2012:SSF**

- [228] Nicolas Lermé and François Malgouyres. Simultaneous segmentation and filtering via reduced graph cuts. *Lecture Notes in Computer Science*, 7517:201–212, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_18/).

**Suk:2012:RDB**

- [229] Tomáš Suk, Cyril Höschl IV, and Jan Flusser. Rectangular decomposition of binary images. *Lecture Notes in Computer Science*, 7517:213–224, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_19/).

**Krumnikl:2012:NLS**

- [230] Michal Krumnikl, Eduard Sojka, and Jan Gaura. A new level-set based algorithm for bimodal depth segmentation. *Lecture Notes in Computer Science*, 7517:225–236, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33140-4\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33140-4_20/).

**Anonymous:2012:FMk**

- [231] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7517:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33140-4/1>.

**Schewe:2012:TIW**

- [232] Klaus-Dieter Schewe and Qing Wang. Third International Workshop on Conceptual Modelling of Services (CMS 2012). *Lecture Notes in Computer Science*, 7518:1–2, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33999-8\\_1](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33999-8_1).

**Buchmayr:2012:RBA**

- [233] Mario Buchmayr, Werner Kurschl, and Josef Küng. A rule based approach for mapping sensor data to ontological models in AAL environments. *Lecture Notes in Computer Science*, 7518:3–12, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_2/).

**Rady:2012:PSL**

- [234] Mariam Rady. Parameters for service level agreements generation in cloud computing. *Lecture Notes in Computer Science*, 7518:13–22, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_3/).

**Andersson:2012:RPU**

- [235] Birger Andersson, Maria Bergholtz, and Paul Johannesson. Resource, process, and use — views on service modeling. *Lecture Notes in Computer Science*, 7518:23–33, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_4/).

**Vleju:2012:CCA**

- [236] Mircea Boris Vleju. A client-centric ASM-based approach to identity management in cloud computing. *Lecture Notes in Computer Science*, 7518:34–43, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_5/).

**Grandi:2012:IWE**

- [237] Fabio Grandi, Giorgio Orsi, Letizia Tanca, and Riccardo Torlone. International Workshop on Evolution and Change in Data Management and on Non Conventional Data Access (ECDM — NoCoDa 2012). *Lecture Notes in Computer Science*, 7518:45–46, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33999-8\\_6](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33999-8_6).

**Terenziani:2012:TAD**

- [238] Paolo Terenziani. The Telic/Atelic distinction in temporal databases. *Lecture Notes in Computer Science*, 7518:47–56, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_7/).

**Solimando:2012:SAX**

- [239] Alessandro Solimando, Giorgio Delzanno, and Giovanna Guerrini. Static analysis of XML document adaptations. *Lecture Notes in Computer Science*, 7518:57–66, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_8/).

**Gao:2012:SDP**

- [240] Shi Gao and Carlo Zaniolo. Supporting database provenance under schema evolution. *Lecture Notes in Computer Science*, 7518:67–77, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_9/).

**Frenot:2012:BMR**

- [241] Stéphane Frénot and Stéphane Grumbach. An in-browser microblog ranking engine. *Lecture Notes in Computer Science*, 7518:78–88, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_10/).

**Stefanidis:2012:CRG**

- [242] Kostas Stefanidis, Nafiseh Shabib, Kjetil Nørkvåg, and John Krogstie. Contextual recommendations for groups. *Lecture Notes in Computer Science*, 7518:89–97, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_11/).

**Gil:2012:FIW**

- [243] David Gil, Juan Trujillo, and Il-Yeol Song. First international workshop on modeling for data-intensive computing. *Lecture Notes in Computer Science*, 7518:99, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33999-8\\_12](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33999-8_12).

**Porto:2012:SHC**

- [244] Fabio Porto, Ana Maria de C. Moura, Bernardo Gonçalves, and Ramon Costa. A scientific hypothesis conceptual model. *Lecture Notes in Computer Science*, 7518:101–110, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_13/).

**Mate:2012:IMM**

- [245] Alejandro Maté, Hector Llorens, and Elisa de Gregorio. An integrated multidimensional modeling approach to access big data in business intelligence platforms. *Lecture Notes in Computer Science*, 7518:111–120, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_14/).

**Sultana:2012:CMP**

- [246] Salmin Sultana and Elisa Bertino. A comprehensive model for provenance. *Lecture Notes in Computer Science*, 7518:121–130, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_15/).

**Rivero:2012:TDO**

- [247] Carlos R. Rivero, Inma Hernández, David Ruiz, and Rafael Corchuelo. Towards discovering ontological models from big RDF data. *Lecture Notes in Computer Science*, 7518:131–140, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_16/).

**Wnuk:2012:TSI**

- [248] Krzysztof Wnuk, Markus Borg, and Saïd Assar. Towards scalable information modeling of requirements architectures. *Lecture Notes in Computer Science*, 7518:141–150, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_17/).

**Jureta:2012:PMB**

- [249] Ivan J. Jureta, Stéphane Faulkner, and Esteban Zimányi. Preface to MORE-BI 2012. *Lecture Notes in Computer Science*, 7518:151, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33999-8\\_18](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33999-8_18).

**Bebel:2012:OLA**

- [250] Bartosz Bebel, Mikołaj Morzy, Tadeusz Morzy, Zbyszko Królikowski, and Robert Wrembel. OLAP-like analysis of time point-based sequential data. *Lecture Notes in Computer Science*, 7518:153–161, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_19/).

**Neubock:2012:MDN**

- [251] Thomas Neuböck, Bernd Neumayr, Thomas Rossgatterer, Stefan Anderlik, and Michael Schrefl. Multi-dimensional navigation modeling using BI analysis graphs. *Lecture Notes in Computer Science*, 7518:162–171, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33999-8\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33999-8_20/).

**Anonymous:2012:FMI**

- [252] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7518:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33999-8/1>.

**Alenda:2012:PSL**

- [253] Régis Alenda and Nicola Olivetti. Preferential semantics for the logic of comparative similarity over triangular and metric models. *Lecture Notes in Computer Science*, 7519:1–13, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_1/).

**Alenda:2012:NSC**

- [254] Régis Alenda, Nicola Olivetti, and Gian Luca Pozzato. Nested sequent calculi for conditional logics. *Lecture Notes in Computer Science*, 7519:14–27, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_2/).

**Arieli:2012:CTS**

- [255] Ofer Arieli. Conflict-tolerant semantics for argumentation frameworks. *Lecture Notes in Computer Science*, 7519:28–40, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_3/).

**Askounis:2012:KMA**

- [256] Dimitris Askounis, Costas D. Koutras, and Yorgos Zikos. Knowledge means ‘ all ’, belief means ‘ most ’. *Lecture Notes in Computer Science*, 7519:41–53, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_4/).

**Aucher:2012:GDS**

- [257] Guillaume Aucher, Bastien Maubert, and François Schwarzentruber. Generalized DEL-sequents. *Lecture Notes in Computer Science*, 7519:54–66, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_5/).

**Balbani:2012:DBR**

- [258] Philippe Balbani and Antoun Yaacoub. Deciding the bisimilarity relation between datalog goals. *Lecture Notes in Computer Science*, 7519:67–79, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_6/).

**Beck:2012:IMT**

- [259] Harald Beck, Thomas Eiter, and Thomas Krennwallner. Inconsistency management for traffic regulations: Formalization and complexity results. *Lecture Notes in Computer Science*, 7519:80–93, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_7/).

**Andersen:2012:CEP**

- [260] Mikkel Birkegaard Andersen, Thomas Bolander, and Martin Holm Jensen. Conditional epistemic planning. *Lecture Notes in Computer Science*, 7519:94–106, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_8/).

**Booth:2012:PPT**

- [261] Richard Booth, Thomas Meyer, and Ivan Varzinczak. PTL: a propositional typicality logic. *Lecture Notes in Computer Science*, 7519:107–119, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_9/).

**Bozzelli:2012:COA**

- [262] Laura Bozzelli, Hans van Ditmarsch, and Sophie Pinchinat. The complexity of one-agent refinement modal logic. *Lecture Notes in Computer Science*, 7519:120–133, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_10/).

**Caroprese:2012:VUP**

- [263] Luciano Caroprese, Irina Trubitsyna, Mirosław Truszczyński, and Ester Zumpano. The view-update problem for indefinite databases. *Lecture Notes in Computer Science*, 7519:134–146, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_11/).

**Ciucci:2012:TVL**

- [264] Davide Ciucci and Didier Dubois. Three-valued logics for incomplete information and epistemic logic. *Lecture Notes in Computer Science*, 7519:147–159, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_12/).

**Eiter:2012:EUS**

- [265] Thomas Eiter, Michael Fink, Thomas Krennwallner, Christoph Redl, and Peter Schüller. Exploiting unfounded sets for HEX-program evaluation. *Lecture Notes in Computer Science*, 7519:160–175, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_13/).

**Rankooh:2012:USN**

- [266] Masood Feyzbakhsh Rankooh, Ali Mahjoob, and Gholamreza Ghassem-Sani. Using satisfiability for non-optimal temporal planning. *Lecture Notes in Computer Science*, 7519:176–188, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_14/).

**Finthammer:2012:HEP**

- [267] Marc Finthammer and Christoph Beierle. How to exploit parametric uniformity for maximum entropy reasoning in a relational probabilistic logic. *Lecture Notes in Computer Science*, 7519:189–201, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_15/).

**Franconi:2012:EQR**

- [268] Enrico Franconi, Volha Kerhet, and Nhung Ngo. Exact query reformulation with first-order ontologies and databases. *Lecture Notes in Computer Science*, 7519:202–214, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_16/).

**Gabaldon:2012:SSL**

- [269] Alfredo Gabaldon. A selective semantics for logic programs with preferences. *Lecture Notes in Computer Science*, 7519:215–227, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_17/).

**Giordano:2012:MMS**

- [270] Laura Giordano, Valentina Gliozzi, Nicola Olivetti, and Gian Luca Pozzato. A minimal model semantics for nonmonotonic reasoning. *Lecture Notes in Computer Science*, 7519:228–241, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_18/).

**Godo:2012:ETD**

- [271] Lluís Godo, Enrico Marchioni, and Pere Pardo. Extending a temporal defeasible argumentation framework with possibilistic weights. *Lecture Notes in Computer Science*, 7519:242–254, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_19/).

**Golinska-Pilarek:2012:DLO**

- [272] Joanna Golińska-Pilarek. On decidability of a logic for order of magnitude qualitative reasoning with bidirectional negligibility. *Lecture Notes in Computer Science*, 7519:255–266, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33353-8\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33353-8_20/).

**Anonymous:2012:FMm**

- [273] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7519: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33353-8/1>.

**Dezfuli:2012:XSC**

- [274] Mohammad G. Dezfuli and Mostafa S. Haghjoo. Xtream: a system for continuous querying over uncertain data streams. *Lecture Notes in Computer Science*, 7520:1–15, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_1/).

**Urbanova:2012:AOR**

- [275] Lucie Urbanova, Vilem Vychodil, and Lena Wiese. Applications of ordinal ranks to flexible query answering. *Lecture Notes in Computer Science*, 7520:16–29, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_2/).

**Cuzzocrea:2012:MUD**

- [276] Alfredo Cuzzocrea, Rubén de Juan Marín, Hendrik Decker, and Francesc D. Muñoz-Escoí. Managing uncertainty in databases and scaling it up to concurrent transactions. *Lecture Notes in Computer Science*, 7520:30–43, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_3/).

**Nouioua:2012:GNS**

- [277] Farid Nouioua. Generalizing naive and stable semantics in argumentation frameworks with necessities and preferences. *Lecture Notes in Computer Science*, 7520:44–57, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_4/).

**Amgoud:2012:SSL**

- [278] Leila Amgoud. Stable semantics in logic-based argumentation. *Lecture Notes in Computer Science*, 7520:58–71, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_5/).

**Amgoud:2012:OLB**

- [279] Leila Amgoud. The outcomes of logic-based argumentation systems under preferred semantics. *Lecture Notes in Computer Science*, 7520: 72–84, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_6/).

**Dvorak:2012:AAM**

- [280] Wolfgang Dvořák, Stefan Szeider, and Stefan Woltran. Abstract argumentation via monadic second order logic. *Lecture Notes in Computer Science*, 7520:85–98, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_7/).

**Budan:2012:AAC**

- [281] Maximiliano C. D. Budán, Mauro Gómez Lucero, Carlos I. Chesñevar, and Guillermo R. Simari. An approach to argumentation considering attacks through time. *Lecture Notes in Computer Science*, 7520: 99–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_8/).

**Chammas:2012:DDC**

- [282] Antoine Chammas, Moamar Sayed-Mouchaweh, Eric Duviella, and Stéphane Lecoeuche. Drift detection and characterization for fault diagnosis and prognosis of dynamical systems. *Lecture Notes in Computer Science*, 7520:113–126, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_9/).

**Trawinski:2012:AEG**

- [283] Bogdan Trawiński, Tadeusz Lasota, Magdalena Smetek, and Grzegorz Trawiński. An attempt to employ genetic fuzzy systems to predict from a data stream of premises transactions. *Lecture Notes in Computer Science*, 7520:127–140, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_10/).

**Lughofer:2012:NII**

- [284] Edwin Lughofer. Navigating interpretability issues in evolving fuzzy systems. *Lecture Notes in Computer Science*, 7520:141–153, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_11/).

**Decan:2012:CCQ**

- [285] Alexandre Decan, Fabian Pijcke, and Jef Wijsen. Certain conjunctive query answering in SQL. *Lecture Notes in Computer Science*, 7520:154–167, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_12/).

**Caroprese:2012:RCP**

- [286] Luciano Caroprese and Ester Zumpano. Restoring consistency in P2P deductive databases. *Lecture Notes in Computer Science*, 7520:168–179, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_13/).

**Gardezi:2012:TCC**

- [287] Jaffer Gardezi and Leopoldo Bertossi. Tractable cases of clean query answering under entity resolution via matching dependencies. *Lecture Notes in Computer Science*, 7520:180–193, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_14/).

**Attiaoui:2012:DBC**

- [288] Dorra Attiaoui, Pierre-Emmanuel Doré, Arnaud Martin, and Boutheina Ben Yaghlane. A distance between continuous belief functions. *Lecture Notes in Computer Science*, 7520:194–205, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_15/).

**Laamari:2012:CGR**

- [289] Wafa Laâmari, Boutheina Ben Yaghlane, and Christophe Simon. On the complexity of the graphical representation and the belief inference in the dynamic directed evidential networks with conditional belief functions. *Lecture Notes in Computer Science*, 7520:206–218, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_16/).

**Ma:2012:RPP**

- [290] Jianbing Ma, Salem Benferhat, and Weiru Liu. Revision over partial pre-orders: a postulational study. *Lecture Notes in Computer Science*, 7520:219–232, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_17/).

**Hamed:2012:RUP**

- [291] Mohammad Ghasemi Hamed, Mathieu Serrurier, and Nicolas Durand. Representing uncertainty by possibility distributions encoding confidence bands, tolerance and prediction intervals. *Lecture Notes in Computer Science*, 7520:233–246, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_18/).

**Kougioumtzoglou:2012:HWB**

- [292] Ioannis A. Kougioumtzoglou and Pol D. Spanos. Harmonic wavelets based identification of nonlinear and time-variant systems. *Lecture Notes in Computer Science*, 7520:247–260, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_19/).

**Patelli:2012:UAU**

- [293] Edoardo Patelli. An upscaling approach for uncertainty quantification of stochastic contaminant transport through fractured media. *Lecture Notes in Computer Science*, 7520:261–272, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33362-0\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33362-0_20/).

**Anonymous:2012:FMn**

- [294] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7520:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33362-0/1>.

**Akshay:2012:SBD**

- [295] S. Akshay, Blaise Genest, and Loïc Hérouët. Symbolically bounding the drift in time-constrained MSC graphs. *Lecture Notes in Computer Science*, 7521:1–15, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_1/).

**DSouza:2012:CHM**

- [296] Deepak D’Souza and Raj Mohan Matteplackel. A compositional hierarchical monitoring automaton construction for LTL. *Lecture Notes in Computer Science*, 7521:16–29, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_2/).

**Sanchez:2012:HTE**

- [297] César Sánchez and Julian Samborski-Forlese. How to translate efficiently extensions of temporal logics into alternating automata. *Lecture Notes in Computer Science*, 7521:30–45, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_3/).

**Foster:2012:COO**

- [298] Simon Foster, Ondřej Rypáček, and Georg Struth. Correctness of object oriented models by extended type inference. *Lecture Notes in Computer Science*, 7521:46–60, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_4/).

**Dai:2012:NTS**

- [299] Liyun Dai and Bican Xia. Non-termination sets of simple linear loops. *Lecture Notes in Computer Science*, 7521:61–73, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_5/).

**Nikolic:2012:DEA**

- [300] Đurica Nikolić and Fausto Spoto. Definite expression aliasing analysis for Java bytecode. *Lecture Notes in Computer Science*, 7521:74–89, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_6/).

**Riesco:2012:USS**

- [301] Adrián Riesco. Using semantics specified in Maude to generate test cases. *Lecture Notes in Computer Science*, 7521:90–104, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_7/).

**Sanchez-Gil:2012:LNR**

- [302] Lidia Sánchez-Gil and Mercedes Hidalgo-Herrero. A locally nameless representation for a natural semantics for lazy evaluation. *Lecture Notes in Computer Science*, 7521:105–119, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_8/).

**Benes:2012:MPR**

- [303] Nikola Beneš and Jan Křetínský. Modal process rewrite systems. *Lecture Notes in Computer Science*, 7521:120–135, 2012. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_9/).

**Riesco:2012:NCS**

- [304] Adrián Riesco and Juan Rodríguez-Hortalá. S-narrowing for constructor systems. *Lecture Notes in Computer Science*, 7521:136–150, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_10/).

**Lodha:2012:DPU**

- [305] Sachin Lodha, Nikhil Patwardhan, and Ashim Roy. Data privacy using MASKETEER<sup>TM</sup>. *Lecture Notes in Computer Science*, 7521:151–158, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_11/).

**Roy:2012:CCT**

- [306] Suman Roy and Sidharth Bihary. A conformance checker tool CSPConCheck. *Lecture Notes in Computer Science*, 7521:159–163, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_12/).

**Raviram:2012:STS**

- [307] S. Raviram, P. Peranandam, and M. Satpathy. SmartTestGen+: a test suite booster for enhanced structural coverage. *Lecture Notes in Computer Science*, 7521:164–167, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_13/).

**Williams:2012:MCU**

- [308] David M. Williams and Joeri de Ruitter. Model checking under fairness in ProB and its application to fair exchange protocols. *Lecture Notes in Computer Science*, 7521:168–182, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_14/).

**Yatake:2012:MCO**

- [309] Kenro Yatake and Toshiaki Aoki. Model checking of OSEK/VDX OS design model based on environment modeling. *Lecture Notes in Computer Science*, 7521:183–197, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_15/).

**Cranen:2012:CSP**

- [310] Sjoerd Cranen and Jeroen J. A. Keiren. A cure for stuttering parity games. *Lecture Notes in Computer Science*, 7521:198–212, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_16/).

**Caillaud:2012:ERD**

- [311] Benoît Caillaud and Jean-Baptiste Raclet. Ensuring reachability by design. *Lecture Notes in Computer Science*, 7521:213–227, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_17/).

**Peyronnet:2012:AVE**

- [312] Sylvain Peyronnet and Michel De Rougemont. Approximate verification and enumeration problems. *Lecture Notes in Computer Science*, 7521:228–242, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_18/).

**Mari:2012:UQS**

- [313] Federico Mari, Igor Melatti, and Ivano Salvo. Undecidability of quantized state feedback control for discrete time linear hybrid systems. *Lecture Notes in Computer Science*, 7521:243–258, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-32943-2\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-32943-2_19/).

**Anonymous:2012:BMb**

- [314] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7521:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-32943-2/1>.

**Anonymous:2012:FMo**

- [315] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7521:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-32943-2/1>.

**deLima:2012:SII**

- [316] Edirlei Soares de Lima, Bruno Feijó, Cesar T. Pozzer, and Angelo E. M. Ciarlini. Social interaction for interactive storytelling. *Lecture Notes*

in *Computer Science*, 7522:1–15, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_1/).

**Muller:2012:GAD**

- [317] Ivana Müller, Petra Sundström, Martin Murer, and Manfred Tschechli. Gaming after dark. *Lecture Notes in Computer Science*, 7522:16–29, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_2/).

**daSilva:2012:IGE**

- [318] Fabio A. Guilherme da Silva, Antonio L. Furtado, and Angelo E. M. Ciarlini. Information-gathering events in story plots. *Lecture Notes in Computer Science*, 7522:30–44, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_3/).

**Apken:2012:DEP**

- [319] Daniel Apken, Hendrik Landwehr, Marc Herrlich, Markus Krause, and Dennis Paul. Design and evaluation of parametrizable multi-genre game mechanics. *Lecture Notes in Computer Science*, 7522:45–52, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_4/).

**Kothgassner:2012:VTT**

- [320] Oswald D. Kothgassner, Anna Felnhofer, Leon Beutl, Helmut Hlavacs, and Mario Lehenbauer. A virtual training tool for giving talks. *Lecture Notes in Computer Science*, 7522:53–66, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_5/).

**Sisler:2012:SHC**

- [321] Vít Šisler, Cyril Brom, Jaroslav Cuhra, Kamil Činátl, and Jakub Gemrot. Stories from the history of Czechoslovakia, a serious game for teaching history of the Czech lands in the 20th century — notes on design concepts and design process. *Lecture Notes in Computer Science*, 7522:67–74, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_6/).

**Blake:2012:CPI**

- [322] Christopher Blake, Dorothée Hefner, Christian Roth, Christoph Klimmt, and Peter Vorderer. Cognitive processes involved in video game identification. *Lecture Notes in Computer Science*, 7522:75–84, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_7/).

**Moreno:2012:ASS**

- [323] Alejandro Moreno, Robby van Delden, Dennis Reidsma, Ronald Poppe, and Dirk Heylen. An annotation scheme for social interaction in digital playgrounds. *Lecture Notes in Computer Science*, 7522:85–99, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_8/).

**Wang:2012:PME**

- [324] Xuan Wang, Eng Tat Khoo, Sanath Siriwardana, Horathalge Iroshan, and Ryohei Nakatsu. Philosophy meets entertainment: Designing an interactive virtual philosopher. *Lecture Notes in Computer Science*, 7522:100–113, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_9/).

**Conroy:2012:SDI**

- [325] David Conroy, Peta Wyeth, and Daniel Johnson. Spotting the difference: Identifying player opponent preferences in FPS games. *Lecture Notes in Computer Science*, 7522:114–121, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_10/).

**Lee:2012:APF**

- [326] Suwon Lee, Jinki Jung, Jihye Hong, J. B. Ryu, and Hyun S. Yang. AR paint: a fusion system of a paint tool and AR. *Lecture Notes in Computer Science*, 7522:122–129, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_11/).

**Mazalek:2012:PED**

- [327] Ali Mazalek, Michael Nitsche, Claudia Rébola, Paul Clifton, Andy Wu, and Nick Poirier. Pictures at an exhibition: Design of a hybrid puppetry performance piece. *Lecture Notes in Computer Science*, 7522:130–143, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_12/).

**Minuto:2012:FGS**

- [328] Andrea Minuto, Gijs Huisman, and Anton Nijholt. Follow the grass: a smart material interactive pervasive display. *Lecture Notes in Computer Science*, 7522:144–157, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_13/).

**Demeulemeester:2012:IVM**

- [329] Aljosha Demeulemeester, Katriina Kilpi, Shirley A. Elprama, and Sammy Lievens. The ICOCOON virtual meeting room: a virtual environment as a support tool for multipoint teleconference systems. *Lecture Notes in Computer Science*, 7522:158–171, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_14/).

**Reis:2012:PW**

- [330] Sofia Reis and Nuno Correia. Playing with the weather. *Lecture Notes in Computer Science*, 7522:172–184, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_15/).

**Gutierrez:2012:FPL**

- [331] Lucio Gutierrez, Eleni Stroulia, and Ioanis Nikolaidis. fAARS: a platform for location-aware trans-reality games. *Lecture Notes in Computer Science*, 7522:185–192, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_16/).

**Mader:2012:HAT**

- [332] Stéphanie Mader, Stéphane Natkin, and Guillaume Levieux. How to analyse therapeutic games: The player /game /therapy model. *Lecture Notes in Computer Science*, 7522:193–206, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_17/).

**Matyas:2012:GBT**

- [333] Sebastian Matyas, Daishi Kato, Takao Shime, Kazuo Kunieda, and Keiji Yamada. Game-based trust. *Lecture Notes in Computer Science*, 7522:207–220, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_18/).

**vanDelden:2012:DTG**

- [334] Robby van Delden, Pauline Aarts, and Betsy van Dijk. Design of tangible games for children undergoing occupational and physical therapy. *Lecture Notes in Computer Science*, 7522:221–234, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_19/).

**Gerling:2012:GDO**

- [335] Kathrin Maria Gerling, Frank Paul Schulte, Jan Smeddinck, and Maic Masuch. Game design for older adults: Effects of age-related changes on structural elements of digital games. *Lecture Notes in Computer Science*, 7522:235–242, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33542-6\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33542-6_20/).

**Anonymous:2012:FMp**

- [336] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7522:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33542-6/1>.

**Abbeel:2012:MLR**

- [337] Pieter Abbeel. Machine learning for robotics. *Lecture Notes in Computer Science*, 7523:1, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33460-3\\_1](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33460-3_1).

**DeRaedt:2012:DMM**

- [338] Luc De Raedt. Declarative modeling for machine learning and data mining. *Lecture Notes in Computer Science*, 7523:2–3, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33460-3\\_2](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33460-3_2).

**Eck:2012:MLM**

- [339] Douglas Eck. Machine learning methods for music discovery and recommendation. *Lecture Notes in Computer Science*, 7523:4, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33460-3\\_3](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33460-3_3).

**Keim:2012:SPV**

- [340] Daniel Keim. Solving problems with visual analytics: Challenges and applications. *Lecture Notes in Computer Science*, 7523:5–6, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33460-3\\_4](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33460-3_4).

**Smyth:2012:ATS**

- [341] Padhraic Smyth. Analyzing text and social network data with probabilistic models. *Lecture Notes in Computer Science*, 7523:7–8, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33460-3\\_5](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33460-3_5).

**Tatti:2012:DDT**

- [342] Nikolaj Tatti and Jilles Vreeken. Discovering descriptive tile trees. *Lecture Notes in Computer Science*, 7523:9–24, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33460-3\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33460-3_6/).

**Riondato:2012:EDA**

- [343] Matteo Riondato and Eli Upfal. Efficient discovery of association rules and frequent itemsets through sampling with tight performance guarantees. *Lecture Notes in Computer Science*, 7523:25–41, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33460-3\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33460-3_7/).

**Siebes:2012:SCD**

- [344] Arno Siebes and René Kersten. Smoothing categorical data. *Lecture Notes in Computer Science*, 7523:42–57, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33460-3\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33460-3_8/).

**Gasse:2012:ECH**

- [345] Maxime Gasse, Alex Aussem, and Haytham Elghazel. An experimental comparison of hybrid algorithms for Bayesian network structure learning. *Lecture Notes in Computer Science*, 7523:58–73, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33460-3\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33460-3_9/).

**Tschiatschek:2012:BNC**

- [346] Sebastian Tschiatschek, Peter Reinprecht, Manfred Mücke, and Franz Pernkopf. Bayesian network classifiers with reduced precision parame-

ters. *Lecture Notes in Computer Science*, 7523:74–89, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33460-3\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33460-3_10/).

**Papai:2012:CSP**

- [347] Tivadar Pápai, Shalini Ghosh, and Henry Kautz. Combining subjective probabilities and data in training Markov logic networks. *Lecture Notes in Computer Science*, 7523:90–105, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33460-3\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33460-3_11/).

**Guo:2012:SBB**

- [348] Shengbo Guo, Scott Sanner, Thore Graepel, and Wray Buntine. Score-based Bayesian skill learning. *Lecture Notes in Computer Science*, 7523:106–121, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33460-3\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33460-3_12/).

**Dogan:2012:NEG**

- [349] Ürün Dogan, Tobias Glasmachers, and Christian Igel. A note on extending generalization bounds for binary large-margin classifiers to multiple classes. *Lecture Notes in Computer Science*, 7523:122–129, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33460-3\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33460-3_13/).

**Mantrach:2012:ERC**

- [350] Amin Mantrach and Jean-Michel Renders. Extension of the Rocchio classification method to multi-modal categorization of documents in social media. *Lecture Notes in Computer Science*, 7523:130–142, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33460-3\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33460-3_14/).

**Bootkrajang:2012:LNR**

- [351] Jakramate Bootkrajang and Ata Kabán. Label-noise robust logistic regression and its applications. *Lecture Notes in Computer Science*, 7523:143–158, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33460-3\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33460-3_15/).

**Bespalov:2012:SCS**

- [352] Dmitriy Bespalov, Yanjun Qi, Bing Bai, and Ali Shokoufandeh. Sentiment classification with supervised sequence embedding. *Lecture Notes in*

*Computer Science*, 7523:159–174, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33460-3\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33460-3_16/).

**Edelkamp:2012:BMF**

- [353] Stefan Edelkamp and Martin Stommel. The bitvector machine: a fast and robust machine learning algorithm for non-linear problems. *Lecture Notes in Computer Science*, 7523:175–190, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33460-3\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33460-3_17/).

**Maes:2012:EMC**

- [354] Francis Maes, Pierre Geurts, and Louis Wehenkel. Embedding Monte Carlo search of features in tree-based ensemble methods. *Lecture Notes in Computer Science*, 7523:191–206, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33460-3\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33460-3_18/).

**Zhang:2012:HSS**

- [355] Zhihong Zhang, Edwin R. Hancock, and Xiao Bai. Hypergraph spectra for semi-supervised feature selection. *Lecture Notes in Computer Science*, 7523:207–222, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33460-3\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33460-3_19/).

**Wang:2012:LNLM**

- [356] Jun Wang, Adam Woznica, and Alexandros Kalousis. Learning neighborhoods for metric learning. *Lecture Notes in Computer Science*, 7523:223–236, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33460-3\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33460-3_20/).

**Anonymous:2012:FMq**

- [357] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7523:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33460-3/1>.

**Liu:2012:AIF**

- [358] Ruilin Liu, Hui (Wendy) Wang, Anna Monreale, Dino Pedreschi, Fosca Giannotti, and Wenge Guo. AUDIO: An integrity *Auditing* framework of *Outlier-mining-as-a-service* systems. *Lecture Notes in Computer Science*, 7524:1–18, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_1/).

**Vinterbo:2012:DPP**

- [359] Staal A. Vinterbo. Differentially private projected histograms: Construction and use for prediction. *Lecture Notes in Computer Science*, 7524: 19–34, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_2/).

**Kamishima:2012:FAC**

- [360] Toshihiro Kamishima, Shotaro Akaho, Hideki Asoh, and Jun Sakuma. Fairness-aware classifier with prejudice remover regularizer. *Lecture Notes in Computer Science*, 7524:35–50, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_3/).

**Kirshenbaum:2012:LCM**

- [361] Evan Kirshenbaum, George Forman, and Michael Dugan. A live comparison of methods for personalized article recommendation at forbes.com. *Lecture Notes in Computer Science*, 7524:51–66, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_4/).

**Hidasi:2012:FBT**

- [362] Balázs Hidasi and Domonkos Tikk. Fast ALS-based tensor factorization for context-aware recommendation from implicit feedback. *Lecture Notes in Computer Science*, 7524:67–82, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_5/).

**Cheng:2012:PEM**

- [363] Weiwei Cheng and Eyke Hüllermeier. Probability estimation for multi-class classification based on label ranking. *Lecture Notes in Computer Science*, 7524:83–98, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_6/).

**Ure:2012:APM**

- [364] N. Kemal Ure, Alborz Geramifard, Girish Chowdhary, and Jonathan P. How. Adaptive planning for Markov decision processes with uncertain transition models via incremental feature dependency discovery. *Lecture Notes in Computer Science*, 7524:99–115, 2012. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_7/).

**Akrou:2012:AAP**

- [365] Riad Akrou, Marc Schoenauer, and Michèle Sebag. APRIL: Active preference learning-based reinforcement learning. *Lecture Notes in Computer Science*, 7524:116–131, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_8/).

**Peters:2012:ADD**

- [366] Markus Peters, Wolfgang Ketter, Maytal Saar-Tsechansky, and John Collins. Autonomous data-driven decision-making in smart electricity markets. *Lecture Notes in Computer Science*, 7524:132–147, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_9/).

**Michini:2012:BNI**

- [367] Bernard Michini and Jonathan P. How. Bayesian nonparametric inverse reinforcement learning. *Lecture Notes in Computer Science*, 7524:148–163, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_10/).

**Nguyen:2012:BMC**

- [368] Truong-Huy Dinh Nguyen, Wee-Sun Lee, and Tze-Yun Leong. Bootstrapping Monte Carlo tree search with an imperfect heuristic. *Lecture Notes in Computer Science*, 7524:164–179, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_11/).

**Dulac-Arnold:2012:FRL**

- [369] Gabriel Dulac-Arnold, Ludovic Denoyer, Philippe Preux, and Patrick Galinari. Fast reinforcement learning with large action sets using error-correcting output codes for MDP factorization. *Lecture Notes in Computer Science*, 7524:180–194, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_12/).

**Ermon:2012:LPB**

- [370] Stefano Ermon, Yexiang Xue, Carla Gomes, and Bart Selman. Learning policies for battery usage optimization in electric vehicles. *Lecture Notes*

*in Computer Science*, 7524:195–210, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_13/).

**Ramavajjala:2012:PIB**

- [371] Vivek Ramavajjala and Charles Elkan. Policy iteration based on a learned transition model. *Lecture Notes in Computer Science*, 7524:211–226, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_14/).

**Boularias:2012:SAL**

- [372] Abdeslam Boularias, Oliver Krömer, and Jan Peters. Structured apprenticeship learning. *Lecture Notes in Computer Science*, 7524:227–242, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_15/).

**Gay:2012:BAC**

- [373] Dominique Gay and Marc Boullé. A Bayesian approach for classification rule mining in quantitative databases. *Lecture Notes in Computer Science*, 7524:243–259, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_16/).

**Batal:2012:BST**

- [374] Iyad Batal, Gregory Cooper, and Milos Hauskrecht. A Bayesian scoring technique for mining predictive and non-spurious rules. *Lecture Notes in Computer Science*, 7524:260–276, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_17/).

**Lemmerich:2012:GPT**

- [375] Florian Lemmerich, Martin Becker, and Martin Atzmueller. Generic pattern trees for exhaustive exceptional model mining. *Lecture Notes in Computer Science*, 7524:277–292, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_18/).

**Iwata:2012:BSS**

- [376] Tomoharu Iwata and Kevin Duh. Bidirectional semi-supervised learning with graphs. *Lecture Notes in Computer Science*, 7524:293–306,

2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_19/).

**Verma:2012:CBS**

- [377] Saurabh Verma and Estevam R. Hruschka, Jr. Coupled Bayesian sets algorithm for semi-supervised learning and information extraction. *Lecture Notes in Computer Science*, 7524:307–322, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33486-3\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33486-3_20/).

**Anonymous:2012:FMr**

- [378] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7524:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33486-3/1>.

**Armbrust:2012:VBN**

- [379] Christopher Armbrust, Lisa Kiekbusch, Thorsten Ropertz, and Karsten Berns. Verification of behaviour networks using finite-state automata. *Lecture Notes in Computer Science*, 7526:1–12, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_1/).

**Beckert:2012:FSM**

- [380] Bernhard Beckert and Daniel Bruns. Formal semantics of model fields in annotation-based specifications. *Lecture Notes in Computer Science*, 7526:13–24, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_2/).

**Edelkamp:2012:SPB**

- [381] Stefan Edelkamp, Tim Federholzner, and Peter Kissmann. Searching with partial belief states in general games with incomplete information. *Lecture Notes in Computer Science*, 7526:25–36, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_3/).

**Federmann:2012:MLF**

- [382] Christian Federmann. A machine-learning framework for hybrid machine translation. *Lecture Notes in Computer Science*, 7526:37–48, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_4/).

**Finthammer:2012:UEW**

- [383] Marc Finthammer and Christoph Beierle. Using equivalences of worlds for aggregation semantics of relational conditionals. *Lecture Notes in Computer Science*, 7526:49–60, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_5/).

**Hennig:2012:DMI**

- [384] Ben Hennig and Norbert Reithinger. Developing of a multimodal interactive training system in therapeutic calisthenics for elderly people. *Lecture Notes in Computer Science*, 7526:61–72, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_6/).

**Jabbari:2012:PLG**

- [385] Shahin Jabbari, Robert C. Holte, and Sandra Zilles. PAC-learning with general class noise models. *Lecture Notes in Computer Science*, 7526:73–84, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_7/).

**Kessler:2012:AMP**

- [386] Jens Kessler, Jürgen Strobel, and Horst-Michael Gross. Avoiding moving persons by using simple trajectory prediction and spatio temporal planning. *Lecture Notes in Computer Science*, 7526:85–96, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_8/).

**Kramer:2012:UNN**

- [387] Oliver Kramer. Unsupervised nearest neighbors with kernels. *Lecture Notes in Computer Science*, 7526:97–106, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_9/).

**Holldobler:2012:CEP**

- [388] Steffen Hölldobler, Norbert Manthey, and Peter Steinke. A compact encoding of pseudo-Boolean constraints into SAT. *Lecture Notes in Computer Science*, 7526:107–118, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_10/).

**Mattar:2012:STM**

- [389] Nikita Mattar and Ipke Wachsmuth. Small talk is more than chit-chat. *Lecture Notes in Computer Science*, 7526:119–130, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_11/).

**Peherstorfer:2012: CBD**

- [390] Benjamin Peherstorfer, Dirk Pflüger, and Hans-Joachim Bungartz. Clustering based on density estimation with sparse grids. *Lecture Notes in Computer Science*, 7526:131–142, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_12/).

**Schiller:2012: CBC**

- [391] Marvin R. G. Schiller and Fernand R. Gobet. A comparison between cognitive and AI models of blackjack strategy learning. *Lecture Notes in Computer Science*, 7526:143–155, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_13/).

**Schwering:2012: PRP**

- [392] Christoph Schwering, Daniel Beck, Stefan Schiffer, and Gerhard Lake-meyer. Plan recognition by program execution in continuous temporal domains. *Lecture Notes in Computer Science*, 7526:156–167, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_14/).

**Vollmer:2012:MHM**

- [393] Christian Vollmer, Julian P. Eggert, and Horst-Michael Gross. Modeling human motion trajectories by sparse activation of motion primitives learned from unpartitioned data. *Lecture Notes in Computer Science*, 7526:168–179, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_15/).

**Westphal:2012: NQC**

- [394] Matthias Westphal and Julien Hué. Nogoods in qualitative constraint-based reasoning. *Lecture Notes in Computer Science*, 7526:180–192, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_16/).

**Zastrau:2012:SGD**

- [395] David Zastrau and Stefan Edelkamp. Stochastic gradient descent with GPGPU. *Lecture Notes in Computer Science*, 7526:193–204, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_17/).

**Zhang:2012:IQS**

- [396] Xiaomin Zhang, Sandra Zilles, and Robert C. Holte. Improved query suggestion by query search. *Lecture Notes in Computer Science*, 7526:205–216, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_18/).

**Ozcep:2012:KBR**

- [397] Özgür Lütfü Özçep. Knowledge-base revision using implications as hypotheses. *Lecture Notes in Computer Science*, 7526:217–228, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_19/).

**Lee:2012:ICD**

- [398] Sangkyun Lee. Improving confidence of dual averaging stochastic online learning via aggregation. *Lecture Notes in Computer Science*, 7526:229–232, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33347-7\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33347-7_20/).

**Anonymous:2012:FMs**

- [399] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7526:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33347-7/1>.

**Lilis:2012:IRE**

- [400] Yannis Lilis and Anthony Savidis. Implementing reusable exception handling patterns with compile-time metaprogramming. *Lecture Notes in Computer Science*, 7527:1–15, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33176-3\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33176-3_1/).

**Pereverzeva:2012:CSF**

- [401] Inna Pereverzeva, Elena Troubitsyna, and Linas Laibinis. A case study in formal development of a fault tolerant multi-robotic system. *Lecture Notes in Computer Science*, 7527:16–31, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33176-3\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33176-3_2/).

**Fayollas:2012:FTI**

- [402] Camille Fayollas, Jean-Charles Fabre, David Navarre, Philippe Palanque, and Yannick Deleris. Fault-tolerant interactive cockpits for critical applications: Overall approach. *Lecture Notes in Computer Science*, 7527:32–46, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33176-3\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33176-3_3/).

**Prokhorova:2012:LME**

- [403] Yuliya Prokhorova and Elena Troubitsyna. Linking modelling in event-B with safety cases. *Lecture Notes in Computer Science*, 7527:47–62, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33176-3\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33176-3_4/).

**Hamid:2012:SLD**

- [404] Brahim Hamid, Jacob Geisel, Adel Ziani, and David Gonzalez. Safety lifecycle development process modeling for embedded systems- example of railway domain. *Lecture Notes in Computer Science*, 7527:63–75, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33176-3\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33176-3_5/).

**Khan:2012:LER**

- [405] Yasir Imtiaz Khan and Matteo Risoldi. Language enrichment for resilient MDE. *Lecture Notes in Computer Science*, 7527:76–90, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33176-3\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33176-3_6/).

**terBeek:2012:AGT**

- [406] Maurice H. ter Beek, Henry Muccini, and Patrizio Pelliccione. Assume-guarantee testing of evolving software product line architectures. *Lecture Notes in Computer Science*, 7527:91–105, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33176-3\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33176-3_7/).

**Gulcu:2012:FIS**

- [407] Koray Gülcü, Hasan Sözer, and Barış Aktemur. FAS: Introducing a service for avoiding faults in composite services. *Lecture Notes in Computer Science*, 7527:106–120, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33176-3\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33176-3_8/).

**Gorbenko:2012:DSO**

- [408] Anatoliy Gorbenko, Alexander Romanovsky, Vyacheslav Kharchenko, and Olga Tarasyuk. Dependability of service-oriented computing: Time-probabilistic failure modelling. *Lecture Notes in Computer Science*, 7527:121–133, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33176-3\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33176-3_9/).

**BenHamida:2012:MSC**

- [409] Amira Ben Hamida, Antonia Bertolino, Antonello Calabrò, and Guglielmo De Angelis. Monitoring service choreographies from multiple sources. *Lecture Notes in Computer Science*, 7527:134–149, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33176-3\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33176-3_10/).

**Masci:2012:SFI**

- [410] Paolo Masci, Dominic Furniss, Paul Curzon, Michael D. Harrison, and Ann Blandford. Supporting field investigators with PVS: a case study in the healthcare domain. *Lecture Notes in Computer Science*, 7527:150–164, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33176-3\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33176-3_11/).

**Ferrari:2012:MBE**

- [411] Alessio Ferrari, Massimiliano L. Itria, Silvano Chiaradonna, and Giorgio O. Spagnolo. Model-based evaluation of the availability of a CBTC system. *Lecture Notes in Computer Science*, 7527:165–179, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33176-3\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33176-3_12/).

**Anonymous:2012:BMc**

- [412] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7527:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-33176-3/1>.

**Anonymous:2012:FMt**

- [413] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7527: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33176-3/1>.

**DiLoreto:2012:DPE**

- [414] Ines Di Loreto, Simone Mora, and Monica Divitini. Don't panic: Enhancing soft skills for civil protection workers. *Lecture Notes in Computer Science*, 7528:1–12, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_1/).

**Gekker:2012:HG**

- [415] Alex Gekker. Health games. *Lecture Notes in Computer Science*, 7528: 13–30, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_2/).

**Menelas:2012:SGT**

- [416] Bob-Antoine J. Menelas and Martin J. D. Otis. A serious game for training balance control over different types of soil. *Lecture Notes in Computer Science*, 7528:31–42, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_3/).

**Ma:2012:CLA**

- [417] Minhua Ma, Kim Bale, and Paul Rea. Constructionist learning in anatomy education. *Lecture Notes in Computer Science*, 7528:43–58, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_4/).

**Romero:2012:IIA**

- [418] Margarida Romero, Mireia Usart, and Maria Popescu. Interdisciplinary and international adaption and personalization of the MetaVals serious games. *Lecture Notes in Computer Science*, 7528:59–73, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_5/).

**Azadegan:2012:SGA**

- [419] Aida Azadegan and Johann C. K. H. Riedel. Serious games adoption in corporate training. *Lecture Notes in Computer Science*, 7528:

74–85, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_6/).

**ElMawas:2012:TPK**

- [420] Nour El Mawas and Jean-Pierre Cahier. Towards participative and knowledge-intensive serious games. *Lecture Notes in Computer Science*, 7528:86–97, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_7/).

**vanderSpek:2012:TDC**

- [421] Erik D. van der Spek. Towards designing for competence and engagement in serious games. *Lecture Notes in Computer Science*, 7528:98–109, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_8/).

**Marsh:2012:BGG**

- [422] Tim Marsh, Li Zhiqiang Nickole, and Eric Klopfer. Blended in-game and off-game learning: Assimilating serious games in the classroom and curriculum. *Lecture Notes in Computer Science*, 7528:110–122, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_9/).

**Mathew:2012:CGB**

- [423] Tintu Mathew, Jochen Zange, and Joern Rittweger. A computer game based motivation system for human physiology studies. *Lecture Notes in Computer Science*, 7528:123–134, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_10/).

**Oliveira:2012:LLC**

- [424] Manuel Fradinho Oliveira and Heiko Duin. Lessons learnt from contextualized interactive story driven development methodology. *Lecture Notes in Computer Science*, 7528:135–149, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_11/).

**Sanchez:2012:VPS**

- [425] Rosa García Sánchez and Alasdair G. Thin. Value propositions for serious games in health and well-being. *Lecture Notes in Computer Science*, 7528:

150–157, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_12/).

**Bocconi:2012:DTC**

- [426] Stefano Bocconi and Yulia Bachvarova. Dealing with threshold concepts in serious games for competence development. *Lecture Notes in Computer Science*, 7528:158–169, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_13/).

**Koplin:2012:BMP**

- [427] Martin Koplin and Carl Skelton. Betaville — a massively participatory mirror world game. *Lecture Notes in Computer Science*, 7528:170–173, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_14/).

**Wahner:2012:LTP**

- [428] Thorsten Wahner and Moritz Kartheuser. Logical thinking by play using the example of the game “Space Goats”. *Lecture Notes in Computer Science*, 7528:174–182, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_15/).

**Bry:2012:SSE**

- [429] François Bry and Christoph Wieser. Squaring and scripting the ESP game: Trimming a GWAP to deep semantics. *Lecture Notes in Computer Science*, 7528:183–192, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_16/).

**Cerinsek:2012:ACM**

- [430] Gregor Cerinsek, Heiko Duin, and Fiorella Colombo. The application of the CISD<sup>2</sup> methodology for the definition of a serious game competence-based learning scenario in the domain of sustainable manufacturing. *Lecture Notes in Computer Science*, 7528:193–207, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_17/).

**Seitlinger:2012:EVN**

- [431] Paul C. Seitlinger and Michael A. Bedek. Evaluating the validity of a non-invasive assessment procedure. *Lecture Notes in Computer Science*, 7528:

208–218, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_18/).

**Petersen:2012:COE**

- [432] Sobah A. Petersen and Michael A. Bedek. Challenges and opportunities in evaluating learning in serious games: a look at behavioural aspects. *Lecture Notes in Computer Science*, 7528:219–230, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_19/).

**Hyndman:2012:AEL**

- [433] Jennifer Hyndman, Tom Lunney, and Paul Mc Kevitt. AmbiLearn: Enhancing the learning environment for primary school education. *Lecture Notes in Computer Science*, 7528:231–242, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33687-4\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33687-4_20/).

**Anonymous:2012:FMu**

- [434] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7528:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33687-4/1>.

**Mizutani:2012:ESP**

- [435] Tetsuya Mizutani, Yuki Shinagawa, Naoki Murakami, and Shigeru Igarashi. Expressive secondo performances of a realtime person-computer ensemble system. *Lecture Notes in Computer Science*, 7530:1–8, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_1/).

**Zhang:2012:DLS**

- [436] Yunong Zhang, Huarong Wu, Zhijun Zhang, Senbo Fu, and Yonghua Yin. Different-level schemes’ equivalence for self-motion planning of robot manipulators. *Lecture Notes in Computer Science*, 7530:9–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_2/).

**Kong:2012:GIO**

- [437] Lifang Kong, Ying Zhao, and Xinbin Liu. Grey incidence optimization model based on hybrid differential evolution algorithm. *Lecture Notes*

in *Computer Science*, 7530:17–24, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_3/).

**Li:2012:DMB**

- [438] Yongfeng Li and Liping Zhu. A data mining based approach to research the relationship between Kansei and usability: a case study of mobile phones. *Lecture Notes in Computer Science*, 7530:25–33, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_4/).

**Qin:2012:MUB**

- [439] Xiongpai Qin. Making use of the big data: Next generation of algorithm trading. *Lecture Notes in Computer Science*, 7530:34–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_5/).

**Cao:2012:DCA**

- [440] Rongrong Cao, Dongjuan Zhu, Qinqin Huang, Xunheng Wang, and Zongcai Ruan. Dynamic causality analysis on default mode network. *Lecture Notes in Computer Science*, 7530:42–49, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_6/).

**Ma:2012:CED**

- [441] Xiaoju Ma, Bo Li, Ying Zhang, and Ming Yan. The canny edge detection and its improvement. *Lecture Notes in Computer Science*, 7530:50–58, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_7/).

**Tan:2012:MMM**

- [442] Taizhe Tan, Hailing Liu, Yinwei Zhan, and Yuzhen Jin. Multimodality medical image registration based on improved I-alpha information (SNI) with gradient. *Lecture Notes in Computer Science*, 7530:59–66, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_8/).

**Li:2012:DSH**

- [443] Lingling Li, Weicheng Xie, Ziyang He, Xin Xu, Changmin Chen, and Xiaorong Cui. Design of smart home control system based on ZigBee and embedded Web technology. *Lecture Notes in Computer Science*, 7530:

67–74, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_9/).

**Zhang:2012:UGP**

- [444] Ye Zhang, Kang Cao, Kangrui Wu, and Tenglong Yu. Using Gaussian potential function for underdetermined blind sources separation based on DUET. *Lecture Notes in Computer Science*, 7530:75–81, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_10/).

**Li:2012:NBT**

- [445] Xiaochen Li, Xizhong Lou, Ting Peng, Jia Xu, Qian Zhou, and Daorong Wu. A new balancing type of wireless sensor network routing algorithm. *Lecture Notes in Computer Science*, 7530:82–89, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_11/).

**Xu:2012:DPG**

- [446] Juanjuan Xu and Jian Wu. Development of portable gait analysis system based on a DSP. *Lecture Notes in Computer Science*, 7530:90–96, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_12/).

**Tan:2012:INN**

- [447] Dongjie Tan and An Zhang. Improved neural networks based method for infrared focal plane arrays nonuniformity correction. *Lecture Notes in Computer Science*, 7530:97–104, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_13/).

**Wang:2012:ICB**

- [448] Kegang Wang, Liying Qi, and Guohua Geng. Images classifications based on color-texture feature. *Lecture Notes in Computer Science*, 7530:105–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_14/).

**Bai:2012:SSR**

- [449] Yu Bai and Yanlong Liu. A synchronization strengthen RFID authentication protocol based on key array. *Lecture Notes in Computer Science*,

7530:113–119, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_15/).

**Yang:2012:SFC**

- [450] Wenchuan Yang, Bei Jia, and Bowei Cao. Study of a fuzzy comprehensive evaluation problem in cloud computing. *Lecture Notes in Computer Science*, 7530:120–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_16/).

**Wang:2012:KGC**

- [451] Xiao Wang, Fusheng Yu, Huixin Zhang, and Yuming Liu. Knowledge-guided clustering of large-scale time series under wavelet transformation. *Lecture Notes in Computer Science*, 7530:126–133, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_17/).

**Yan:2012:SDF**

- [452] Leiming Yan, Jinwei Wang, Jin Han, and Yuxiang Wang. A significance-driven framework for characterizing and finding evolving patterns of news networks. *Lecture Notes in Computer Science*, 7530:134–141, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_18/).

**Wang:2012:AAR**

- [453] Dexing Wang, Qian Xie, Dongmei Huang, and Hongchun Yuan. Analysis of association rule mining on quantitative concept lattice. *Lecture Notes in Computer Science*, 7530:142–149, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_19/).

**Zhang:2012:CRS**

- [454] Junbo Zhang, Tianrui Li, and Hongmei Chen. Composite rough sets. *Lecture Notes in Computer Science*, 7530:150–159, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33478-8\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33478-8_20/).

**Anonymous:2012:FMv**

- [455] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7530:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33478-8/1>.

**Livshits:2012:FMW**

- [456] Benjamin Livshits. Finding malware on a Web scale. *Lecture Notes in Computer Science*, 7531:1–2, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33704-8\\_1](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33704-8_1).

**Wang:2012:ESR**

- [457] Zhaohui Wang, Ryan Johnson, Rahul Murmura, and Angelos Stavrou. Exposing security risks for commercial mobile devices. *Lecture Notes in Computer Science*, 7531:3–21, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_2/).

**Martinelli:2012:QQE**

- [458] Fabio Martinelli, Ilaria Matteucci, and Charles Morisset. From qualitative to quantitative enforcement of security policy. *Lecture Notes in Computer Science*, 7531:22–35, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_3/).

**Cadenhead:2012:DIC**

- [459] Tyrone Cadenhead, Murat Kantarcioglu, Vaibhav Khadilkar, and Bhavani Thuraisingham. Design and implementation of a cloud-based assured information sharing system. *Lecture Notes in Computer Science*, 7531:36–50, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_4/).

**Yakovlev:2012:OKD**

- [460] Victor Yakovlev, Valery Korzhik, Mihail Bakaev, and Guillermo Morales-Luna. Optimization of key distribution protocols based on extractors for noisy channels within active adversaries. *Lecture Notes in Computer Science*, 7531:51–64, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_5/).

**Tsay:2012:VUL**

- [461] Joe-Kai Tsay and Stig F. Mjølsnes. A vulnerability in the UMTS and LTE authentication and key agreement protocols. *Lecture Notes in Computer Science*, 7531:65–76, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_6/).

**Moldovyan:2012:BBD**

- [462] Alexandr Moldovyan, Nikolay Moldovyan, and Evgenia Novikova. Blind 384-bit digital signature scheme. *Lecture Notes in Computer Science*, 7531:77–83, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_7/).

**Jin:2012:RRC**

- [463] Xin Jin, Ravi Sandhu, and Ram Krishnan. RABAC: Role-centric attribute-based access control. *Lecture Notes in Computer Science*, 7531:84–96, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_8/).

**Oleshchuk:2012:TAR**

- [464] Vladimir Oleshchuk. Trust-aware RBAC. *Lecture Notes in Computer Science*, 7531:97–107, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_9/).

**Grusho:2012:AMI**

- [465] Alexander Grusho, Nick Grusho, and Elena Timonina. Alternative mechanisms for information security. *Lecture Notes in Computer Science*, 7531:108–113, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_10/).

**Desharnais:2012:EIF**

- [466] Josée Desharnais, Erwanne P. Kanyabwero, and Nadia Tawbi. Enforcing information flow policies by a three-valued analysis. *Lecture Notes in Computer Science*, 7531:114–129, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_11/).

**Avanesov:2012:TOS**

- [467] Tigran Avanesov, Yannick Chevalier, Michaël Rusinowitch, and Mathieu Turuani. Towards the orchestration of secured services under non-disclosure policies. *Lecture Notes in Computer Science*, 7531:130–145, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_12/).

**Chechulin:2012:ANI**

- [468] Andrey Chechulin, Igor Kotenko, and Vasily Desnitsky. An approach for network information flow analysis for systems of embedded components. *Lecture Notes in Computer Science*, 7531:146–155, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_13/).

**Granadillo:2012:ICS**

- [469] Gustavo Gonzalez Granadillo, Hervé Débar, Grégoire Jacob, and Chrystel Gaber. Individual countermeasure selection based on the return on response investment index. *Lecture Notes in Computer Science*, 7531:156–170, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_14/).

**Rieke:2012:SRR**

- [470] Roland Rieke, Luigi Coppolino, Andrew Hutchison, Elsa Prieto, and Chrystel Gaber. Security and reliability requirements for advanced security event management. *Lecture Notes in Computer Science*, 7531:171–180, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_15/).

**Schutte:2012:MBS**

- [471] Julian Schütte, Roland Rieke, and Timo Winkelvos. Model-based security event management. *Lecture Notes in Computer Science*, 7531:181–190, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_16/).

**Dolgikh:2012:UBM**

- [472] Andrey Dolgikh, Tomas Nykodym, Victor Skormin, and Zachary Birnbaum. Using behavioral modeling and customized normalcy profiles as protection against targeted cyber-attacks. *Lecture Notes in Computer Science*, 7531:191–202, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_17/).

**Mustapha:2012:LHH**

- [473] Yosra Ben Mustapha, Hervé Débar, and Grégoire Jacob. Limitation of honeypot/honeynet databases to enhance alert correlation. *Lecture Notes*

in *Computer Science*, 7531:203–217, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_18/).

**Zegzhda:2012:SMI**

- [474] Dmitry P. Zegzhda and Tatiana V. Stepanova. Stochastic model of interaction between botnets and distributed computer defense systems. *Lecture Notes in Computer Science*, 7531:218–225, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_19/).

**Yavvari:2012:MCU**

- [475] Chaitanya Yavvari, Arnur Tokhtabayev, Huzefa Rangwala, and Angelos Stavrou. Malware characterization using behavioral components. *Lecture Notes in Computer Science*, 7531:226–239, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33704-8\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33704-8_20/).

**Anonymous:2012:FMw**

- [476] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7531:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33704-8/1>.

**Ceri:2012:MMB**

- [477] Stefano Ceri, Emanuele Della Valle, Dino Pedreschi, and Roberto Trasarti. Mega-modeling for big data analytics. *Lecture Notes in Computer Science*, 7532:1–15, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_1/).

**Cao:2012:SKQ**

- [478] Xin Cao, Lisi Chen, Gao Cong, Christian S. Jensen, Qiang Qu, and Anders Skovsgaard. Spatial keyword querying. *Lecture Notes in Computer Science*, 7532:16–29, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_2/).

**Dayal:2012:CDH**

- [479] Umeshwar Dayal, Chetan Gupta, Malu Castellanos, Song Wang, and Manolo Garcia-Solaco. Of cubes, DAGs and hierarchical correlations: a novel conceptual model for analyzing social media data. *Lecture Notes*

in *Computer Science*, 7532:30–49, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_3/).

**Villegas:2012:UCE**

- [480] Antonio Villegas, Antoni Olivé, and Maria-Ribera Sancho. Understanding constraint expressions in large conceptual schemas by automatic filtering. *Lecture Notes in Computer Science*, 7532:50–63, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_4/).

**Houy:2012:UUC**

- [481] Constantin Houy, Peter Fettke, and Peter Loos. Understanding understandability of conceptual models — what are we actually talking about? *Lecture Notes in Computer Science*, 7532:64–77, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_5/).

**Stark:2012:RCC**

- [482] Jeannette Stark and Werner Esswein. Rules from cognition for conceptual modelling. *Lecture Notes in Computer Science*, 7532:78–87, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_6/).

**Anderlik:2012:UDO**

- [483] Stefan Anderlik, Bernd Neumayr, and Michael Schrefl. Using domain ontologies as semantic dimensions in data warehouses. *Lecture Notes in Computer Science*, 7532:88–101, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_7/).

**Sekhavat:2012:SCS**

- [484] Yoones A. Sekhavat and Jeffrey Parsons. Sliced column-store (SCS): Ontological foundations and practical implications. *Lecture Notes in Computer Science*, 7532:102–115, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_8/).

**Albrecht:2012:SDL**

- [485] Alexander Albrecht and Felix Naumann. Schema decryption for large extract-transform-load systems. *Lecture Notes in Computer Science*, 7532:116–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_9/).

**Ntoutsis:2012:FGR**

- [486] Eirini Ntoutsis, Kostas Stefanidis, Kjetil Nørnvåg, and Hans-Peter Kriegel. Fast group recommendations by applying user clustering. *Lecture Notes in Computer Science*, 7532:126–140, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_10/).

**Wang:2012:UTW**

- [487] Jingjing Wang, Haixun Wang, Zhongyuan Wang, and Kenny Q. Zhu. Understanding tables on the Web. *Lecture Notes in Computer Science*, 7532:141–155, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_11/).

**Yogev:2012:BGT**

- [488] Sivan Yogev and Haggai Roitman. Bridging the gaps towards advanced data discovery over semi-structured data. *Lecture Notes in Computer Science*, 7532:156–165, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_12/).

**Hernandez:2012:TDC**

- [489] Inma Hernández, Carlos R. Rivero, David Ruiz, and Rafael Corchuelo. Towards discovering conceptual models behind Web sites. *Lecture Notes in Computer Science*, 7532:166–175, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_13/).

**Li:2012:DBS**

- [490] Sheng Li, Junhu Wang, Kewen Wang, and Jiang Li. A distance-based spelling suggestion method for XML keyword search. *Lecture Notes in Computer Science*, 7532:176–189, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_14/).

**Embley:2012:CLH**

- [491] David W. Embley, Stephen W. Liddle, Deryle W. Lonsdale, Joseph S. Park, and Byung-Joo Shin. Cross-language hybrid keyword and semantic search. *Lecture Notes in Computer Science*, 7532:190–203, 2012. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_15/).

**Britell:2012:MSW**

- [492] Scott Britell and Lois M. L. Delcambre. Mapping semantic widgets to Web-based, domain-specific collections. *Lecture Notes in Computer Science*, 7532:204–213, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_16/).

**Guentert:2012:EMS**

- [493] Markus Guentert, Matthias Kunze, and Mathias Weske. Evaluation measures for similarity search results in process model repositories. *Lecture Notes in Computer Science*, 7532:214–227, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_17/).

**Cervera:2012:MAP**

- [494] Mario Cervera, Manoli Albert, Victoria Torres, and Vicente Pelechano. The MOSKitt4ME approach: Providing process support in a method engineering context. *Lecture Notes in Computer Science*, 7532:228–241, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_18/).

**Lumineau:2012:ECD**

- [495] Nicolas Lumineau, Frédérique Laforest, Yann Gripay, and Jean-Marc Petit. Extending conceptual data model for dynamic environment. *Lecture Notes in Computer Science*, 7532:242–251, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_19/).

**Le:2012:CGR**

- [496] Lam-Son Lê and Aditya Ghose. Contracts + goals = roles? *Lecture Notes in Computer Science*, 7532:252–266, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34002-4\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-34002-4_20/).

**Anonymous:2012:FMx**

- [497] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7532:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34002-4/1>.

**Fouque:2012:IHB**

- [498] Pierre-Alain Fouque and Mehdi Tibouchi. Indifferentiable hashing to Barreto–Naehrig curves. *Lecture Notes in Computer Science*, 7533:1–17, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_1/).

**Mesnager:2012:SBF**

- [499] Sihem Mesnager. Semi-bent functions with multiple trace terms and hyperelliptic curves. *Lecture Notes in Computer Science*, 7533:18–36, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_2/).

**Abarzua:2012:CAB**

- [500] Rodrigo Abarzúa and Nicolas Thériault. Complete atomic blocks for elliptic curves in Jacobian coordinates over prime fields. *Lecture Notes in Computer Science*, 7533:37–55, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_3/).

**Phan:2012:MBT**

- [501] Duong Hieu Phan, David Pointcheval, and Mario Strefler. Message-based traitor tracing with optimal ciphertext rate. *Lecture Notes in Computer Science*, 7533:56–77, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_4/).

**Abdalla:2012:LRS**

- [502] Michel Abdalla and Jill-Jênn Vie. Leakage-resilient spatial encryption. *Lecture Notes in Computer Science*, 7533:78–99, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_5/).

**Boureau:2012:PFA**

- [503] Ioana Boureau, Aikaterini Mitrokotsa, and Serge Vaudenay. On the pseudorandom function assumption in (secure) distance-bounding protocols. *Lecture Notes in Computer Science*, 7533:100–120, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_6/).

**Abdalla:2012:LBH**

- [504] Michel Abdalla, Angelo De Caro, and Karina Mochetti. Lattice-based hierarchical inner product encryption. *Lecture Notes in Computer Science*, 7533:121–138, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_7/).

**Poppelmann:2012:TEA**

- [505] Thomas Poppelmann and Tim Güneysu. Towards efficient arithmetic for lattice-based cryptography on reconfigurable hardware. *Lecture Notes in Computer Science*, 7533:139–158, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_8/).

**Bernstein:2012:SIN**

- [506] Daniel J. Bernstein, Tanja Lange, and Peter Schwabe. The security impact of a new cryptographic library. *Lecture Notes in Computer Science*, 7533:159–176, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_9/).

**Aranha:2012:FIS**

- [507] Diego F. Aranha, Armando Faz-Hernández, Julio López, and Francisco Rodríguez-Henríquez. Faster implementation of scalar multiplication on Koblitz curves. *Lecture Notes in Computer Science*, 7533:177–193, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_10/).

**Nachef:2012:ZKM**

- [508] Valérie Nachef, Jacques Patarin, and Emmanuel Volte. Zero-knowledge for multivariate polynomials. *Lecture Notes in Computer Science*, 7533:194–213, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_11/).

**Dixon:2012:IEK**

- [509] Vanessa Dixon, Michael J. Jacobson Jr., and Renate Scheidler. Improved exponentiation and key agreement in the infrastructure of a real quadratic field. *Lecture Notes in Computer Science*, 7533:214–233, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_12/).

**Barhum:2012:UOT**

- [510] Kfir Barhum and Ueli Maurer. UOWHFs from OWFs: Trading regularity for efficiency. *Lecture Notes in Computer Science*, 7533:234–253, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_13/).

**MacFie:2012:RMR**

- [511] Andrew MacFie and Daniel Panario. Random mappings with restricted preimages. *Lecture Notes in Computer Science*, 7533:254–270, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_14/).

**Kircanski:2012:SRK**

- [512] Aleksandar Kircanski and Amr M. Youssef. On the Sosemanuk related key-IV sets. *Lecture Notes in Computer Science*, 7533:271–287, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_15/).

**Gouvea:2012:HSI**

- [513] Conrado P. L. Gouvêa and Julio López. High speed implementation of authenticated encryption for the MSP430X microcontroller. *Lecture Notes in Computer Science*, 7533:288–304, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_16/).

**Gierlichs:2012:ICD**

- [514] Benedikt Gierlichs, Jörn-Marc Schmidt, and Michael Tunstall. Infective computation and dummy rounds: Fault protection for block ciphers without check-before-output. *Lecture Notes in Computer Science*, 7533:305–321, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33481-8\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33481-8_17/).

**Anonymous:2012:BMd**

- [515] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7533:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-33481-8/1>.

**Anonymous:2012:FMy**

- [516] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7533:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33481-8/1>.

**Bernt:2012:PIP**

- [517] Matthias Bernt, Kun-Mao Chao, and Jyun-Wei Kao. Preserving inversion phylogeny reconstruction. *Lecture Notes in Computer Science*, 7534:1–13, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_1/).

**Brown:2012:FPT**

- [518] Daniel G. Brown and Jakub Trzuskowski. Fast phylogenetic tree reconstruction using locality-sensitive hashing. *Lecture Notes in Computer Science*, 7534:14–29, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_2/).

**Tsirogiannis:2012:ECP**

- [519] Constantinos Tsirogiannis, Brody Sandel, and Dimitris Cheliotis. Efficient computation of popular phylogenetic tree measures. *Lecture Notes in Computer Science*, 7534:30–43, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_3/).

**Brown:2012:SFH**

- [520] Daniel G. Brown and Daniel Dexter. SibJoin: a fast heuristic for half-sibling reconstruction. *Lecture Notes in Computer Science*, 7534:44–56, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_4/).

**Zhu:2012:REM**

- [521] Yun Zhu and Luay Nakhleh. Reconstructing the evolution of molecular interaction networks under the DMC and link dynamics models. *Lecture Notes in Computer Science*, 7534:57–68, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_5/).

**Halldorsson:2012:EPS**

- [522] Bjarni V. Halldórsson, Dima Blokh, and Roded Sharan. Estimating population size via line graph reconstruction. *Lecture Notes in Computer Science*, 7534:69–80, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_6/).

**Deepak:2012:ECF**

- [523] Akshay Deepak, David Fernández-Baca, and Michelle M. McMahon. Extracting conflict-free information from multi-labeled trees. *Lecture Notes in Computer Science*, 7534:81–92, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_7/).

**Gysel:2012:RPU**

- [524] Rob Gysel, Kristian Stevens, and Dan Gusfield. Reducing problems in unrooted tree compatibility to restricted triangulations of intersection graphs. *Lecture Notes in Computer Science*, 7534:93–105, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_8/).

**Lafond:2012:ORA**

- [525] Manuel Lafond, Krister M. Swenson, and Nadia El-Mabrouk. An optimal reconciliation algorithm for gene trees with polytomies. *Lecture Notes in Computer Science*, 7534:106–122, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_9/).

**Nguyen:2012:AGT**

- [526] Thi Hau Nguyen, Jean-Philippe Doyon, and Stéphanie Pointet. Accounting for gene tree uncertainties improves gene trees and reconciliation inference. *Lecture Notes in Computer Science*, 7534:123–134, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_10/).

**Milo:2012:RTC**

- [527] Nimrod Milo, Shay Zakov, Erez Katzenelson, and Eitan Bachmat. RNA tree comparisons via unrooted unordered alignments. *Lecture Notes in Computer Science*, 7534:135–148, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_11/).

**Rinaudo:2012:TDP**

- [528] Philippe Rinaudo, Yann Ponty, Dominique Barth, and Alain Denise. Tree decomposition and parameterized algorithms for RNA structure-sequence alignment including tertiary interactions and pseudoknots. *Lecture Notes in Computer Science*, 7534:149–164, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_12/).

**Bhar:2012:TET**

- [529] Anirban Bhar, Martin Haubrock, and Anirban Mukhopadhyay.  $\delta$ -TRIMAX: Extracting triclusters and analysing coregulation in time series gene expression data. *Lecture Notes in Computer Science*, 7534:165–177, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_13/).

**Lin:2012:CAC**

- [530] Yen-Yi Lin, Phuong Dao, Faraz Hach, Marzieh Bakhshi, and Fan Mo. CLIQ: Accurate comparative detection and quantification of expressed isoforms in a population. *Lecture Notes in Computer Science*, 7534:178–189, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_14/).

**Shutters:2012:ILB**

- [531] Brad Shutters, Sudheer Vakati, and David Fernández-Baca. Improved lower bounds on the compatibility of quartets, triplets, and multi-state characters. *Lecture Notes in Computer Science*, 7534:190–200, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_15/).

**Tabei:2012:SMT**

- [532] Yasuo Tabei. Succinct multibit tree: Compact representation of multibit trees by using succinct data structures in chemical fingerprint searches. *Lecture Notes in Computer Science*, 7534:201–213, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_16/).

**Cox:2012:CDS**

- [533] Anthony J. Cox, Tobias Jakobi, and Giovanna Rosone. Comparing DNA sequence collections by direct comparison of compressed text indexes. *Lecture Notes in Computer Science*, 7534:214–224, 2012. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_17/).

**Bowe:2012:SBG**

- [534] Alexander Bowe, Taku Onodera, and Kunihiko Sadakane. Succinct de Bruijn graphs. *Lecture Notes in Computer Science*, 7534:225–235, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_18/).

**Chikhi:2012:SEE**

- [535] Rayan Chikhi and Guillaume Rizk. Space-efficient and exact de Bruijn graph representation based on a Bloom filter. *Lecture Notes in Computer Science*, 7534:236–248, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_19/).

**Vyahhi:2012:BGR**

- [536] Nikolay Vyahhi, Alex Pyshkin, Son Pham, and Pavel A. Pevzner. From de Bruijn graphs to rectangle graphs for genome assembly. *Lecture Notes in Computer Science*, 7534:249–261, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33122-0\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33122-0_20/).

**Anonymous:2012:FMz**

- [537] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7534:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33122-0/1>.

**Bjorklund:2012:PTP**

- [538] Andreas Björklund. The path taken for  $k$ -path. *Lecture Notes in Computer Science*, 7535:1, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33293-7\\_1](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33293-7_1).

**Marx:2012:RTP**

- [539] Dániel Marx. Randomized techniques for parameterized algorithms. *Lecture Notes in Computer Science*, 7535:2, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33293-7\\_2](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33293-7_2).

**Pilipczuk:2012:FMI**

- [540] Marcin Pilipczuk and Michał Pilipczuk. Finding a maximum induced degenerate subgraph faster than  $2^n$ . *Lecture Notes in Computer Science*, 7535:3–12, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_3/).

**Chen:2012:ETH**

- [541] Yijia Chen, Kord Eickmeyer, and Jörg Flum. The exponential time hypothesis and the parameterized clique problem. *Lecture Notes in Computer Science*, 7535:13–24, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_4/).

**Escoffier:2012:NRP**

- [542] Bruno Escoffier, Jérôme Monnot, and Vangelis Th. Paschos. New results on polynomial inapproximability and fixed parameter approximability of edge dominating set. *Lecture Notes in Computer Science*, 7535:25–36, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_5/).

**Bliznets:2012:NAP**

- [543] Ivan Bliznets and Alexander Golovnev. A new algorithm for parameterized MAX-SAT. *Lecture Notes in Computer Science*, 7535:37–48, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_6/).

**Bonizzoni:2012:RSC**

- [544] Paola Bonizzoni, Riccardo Dondi, and Giancarlo Mauri. Restricted and swap common superstring: a parameterized view. *Lecture Notes in Computer Science*, 7535:49–60, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_7/).

**Kowalik:2012:NHM**

- [545] Łukasz Kowalik. Nonblocker in H-minor free graphs: Kernelization meets discharging. *Lecture Notes in Computer Science*, 7535:61–72, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_8/).

**Flum:2012:SDS**

- [546] Jörg Flum and Moritz Müller. Some definitorial suggestions for parameterized proof complexity. *Lecture Notes in Computer Science*, 7535:73–84, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_9/).

**Golovach:2012:EAS**

- [547] Petr A. Golovach, Pinar Heggernes, and Dieter Kratsch. An exact algorithm for subset feedback vertex set on chordal graphs. *Lecture Notes in Computer Science*, 7535:85–96, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_10/).

**Fomin:2012:PSM**

- [548] Fedor V. Fomin, Bart M. P. Jansen, and Michał Pilipczuk. Preprocessing subgraph and minor problems: When does a small vertex cover help? *Lecture Notes in Computer Science*, 7535:97–108, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_11/).

**Bentz:2012:PTA**

- [549] Cédric Bentz. A polynomial-time algorithm for planar multicuts with few source-sink pairs. *Lecture Notes in Computer Science*, 7535:109–119, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_12/).

**Chakraborty:2012:ICP**

- [550] Chiranjit Chakraborty and Rahul Santhanam. Instance compression for the polynomial hierarchy and beyond. *Lecture Notes in Computer Science*, 7535:120–134, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_13/).

**Adiga:2012:PTP**

- [551] Abhijn Adiga, Jasine Babu, and L. Sunil Chandran. Polynomial time and parameterized approximation algorithms for boxicity. *Lecture Notes in Computer Science*, 7535:135–146, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_14/).

**Kaski:2012:HHS**

- [552] Petteri Kaski, Mikko Koivisto, and Jesper Nederlof. Homomorphic hashing for sparse coefficient extraction. *Lecture Notes in Computer Science*, 7535:147–158, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_15/).

**Kaski:2012:FMS**

- [553] Petteri Kaski, Mikko Koivisto, and Janne H. Korhonen. Fast monotone summation over disjoint sets. *Lecture Notes in Computer Science*, 7535:159–170, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_16/).

**Blaser:2012:WCM**

- [554] Markus Bläser and Radu Curticapean. Weighted counting of  $k$ -matchings is  $\#W[1]$ -hard. *Lecture Notes in Computer Science*, 7535:171–181, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_17/).

**Kitsunai:2012:CDP**

- [555] Kenta Kitsunai, Yasuaki Kobayashi, and Keita Komuro. Computing directed pathwidth in  $O(1.89^n)$  time. *Lecture Notes in Computer Science*, 7535:182–193, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_18/).

**Abello:2012:MRC**

- [556] James Abello, Pavel Klavík, and Jan Kratochvíl. MSOL restricted contractibility to planar graphs. *Lecture Notes in Computer Science*, 7535:194–205, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_19/).

**Elberfeld:2012:SCP**

- [557] Michael Elberfeld, Christoph Stockhusen, and Till Tantau. On the space complexity of parameterized problems. *Lecture Notes in Computer Science*, 7535:206–217, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33293-7\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33293-7_20/).

**Anonymous:2012:FMba**

- [558] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7535: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33293-7/1>.

**Blanco:2012:WDR**

- [559] Lorenzo Blanco, Valter Crescenzi, Paolo Merialdo, and Paolo Papotti. Web data reconciliation: Models and experiences. *Lecture Notes in Computer Science*, 7538:1–15, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_1/).

**Mulwad:2012:DIF**

- [560] Varish Mulwad, Tim Finin, and Anupam Joshi. A domain independent framework for extracting linked semantic data from tables. *Lecture Notes in Computer Science*, 7538:16–33, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_2/).

**Unbehauen:2012:KES**

- [561] Jörg Unbehauen, Sebastian Hellmann, Sören Auer, and Claus Stadler. Knowledge extraction from structured sources. *Lecture Notes in Computer Science*, 7538:34–52, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_3/).

**Brambilla:2012:EIG**

- [562] Marco Brambilla, Stefano Ceri, Nicola Cinefra, Anish Das Sarma, and Fabio Forghieri. Extracting information from Google Fusion Tables. *Lecture Notes in Computer Science*, 7538:53–67, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_4/).

**Bozzon:2012:MWD**

- [563] Alessandro Bozzon, Stefano Ceri, and Srđan Zagorac. Materialization of Web data sources. *Lecture Notes in Computer Science*, 7538: 68–81, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_5/).

**Guerrisi:2012:NLI**

- [564] Vincenzo Guerrisi, Pietro La Torre, and Silvia Quarteroni. Natural language interfaces to data services. *Lecture Notes in Computer Science*, 7538:82–97, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_6/).

**Aral:2012:MMD**

- [565] Atakan Aral, Ilker Zafer Akin, and Marco Brambilla. Mobile multi-domain search over structured Web data. *Lecture Notes in Computer Science*, 7538:98–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_7/).

**Brambilla:2012:CLM**

- [566] Marco Brambilla and Massimiliano Zanoni. Clustering and labeling of multi-dimensional mixed structured data. *Lecture Notes in Computer Science*, 7538:111–126, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_8/).

**Morales-Chaparro:2012:VSR**

- [567] Rober Morales-Chaparro, Juan Carlos Preciado, and Fernando Sánchez-Figueroa. Visualizing search results: Engineering visual patterns development for the Web. *Lecture Notes in Computer Science*, 7538:127–142, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_9/).

**Bozzon:2012:ESA**

- [568] Alessandro Bozzon, Emanuele Della Valle, and Sara Magliacane. Extending SPARQL algebra to support efficient evaluation of top-K SPARQL queries. *Lecture Notes in Computer Science*, 7538:143–156, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_10/).

**Castano:2012:TCE**

- [569] Silvana Castano, Alfio Ferrara, and Stefano Montanelli. Thematic clustering and exploration of linked data. *Lecture Notes in Computer Science*, 7538:157–175, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_11/).

**Cohen:2012:SRE**

- [570] Marcelo Cohen and Daniel Schwabe. Support for reusable explorations of linked data in the semantic Web. *Lecture Notes in Computer Science*, 7538:176–190, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_12/).

**Cohen:2012:SPM**

- [571] Sara Cohen, Benny Kimelfeld, and Georgia Koutrika. A survey on proximity measures for social networks. *Lecture Notes in Computer Science*, 7538:191–206, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_13/).

**Bozzon:2012:ESC**

- [572] Alessandro Bozzon, Marco Brambilla, Stefano Ceri, and Andrea Mauri. Extending search to crowds: a model-driven approach. *Lecture Notes in Computer Science*, 7538:207–222, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_14/).

**Hees:2012:BCA**

- [573] Jörn Hees, Thomas Roth-Berghofer, Ralf Biedert, Benjamin Adrian, and Andreas Dengel. BetterRelations: Collecting association strengths for linked data triples with a game. *Lecture Notes in Computer Science*, 7538:223–239, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_15/).

**Brambilla:2012:ICR**

- [574] Marco Brambilla, Sofia Ceppi, Nicola Gatti, and Enrico H. Gerding. An incentive-compatible revenue-sharing mechanism for the economic sustainability of multi-domain search based on advertising. *Lecture Notes in Computer Science*, 7538:240–254, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34213-4\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-34213-4_16/).

**Anonymous:2012:BMe**

- [575] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7538:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-34213-4/1>.

**Anonymous:2012:FMbb**

- [576] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7538: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34213-4/1>.

**Broy:2012:CPS**

- [577] Manfred Broy, María Victoria Cengarle, and Eva Geisberger. Cyber-physical systems: Imminent challenges. *Lecture Notes in Computer Science*, 7539:1–28, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_1/).

**Cliff:2012:GFM**

- [578] Dave Cliff and Linda Northrop. The global financial markets: An ultra-large-scale systems perspective. *Lecture Notes in Computer Science*, 7539: 29–70, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_2/).

**Keen:2012:WCP**

- [579] Justin Keen. What is a care pathway? *Lecture Notes in Computer Science*, 7539:71–80, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_3/).

**Lange:2012:CCT**

- [580] Douglas S. Lange, Phillip Verbancsics, Robert S. Gutzwiller, John Reeder, and Cullen Sarles. Command and control of teams of autonomous systems. *Lecture Notes in Computer Science*, 7539:81–93, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_4/).

**McDermid:2012:RLO**

- [581] John A. McDermid. The risks of LSCITS: The odds are stacked against us. *Lecture Notes in Computer Science*, 7539:94–117, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_5/).

**Autili:2012:IAS**

- [582] Marco Autili, Vittorio Cortellessa, Davide Di Ruscio, and Paola Inverardi. Integration architecture synthesis for taming uncertainty in the digital

space. *Lecture Notes in Computer Science*, 7539:118–131, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_6/).

**Chen:2012:SNI**

- [583] Bangdao Chen and A. W. Roscoe. Social networks for importing and exporting security. *Lecture Notes in Computer Science*, 7539:132–147, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_7/).

**Faleiro:2012:CPM**

- [584] Jose Faleiro, Sriram Rajamani, Kaushik Rajan, G. Ramalingam, and Kapil Vaswani. CScale — a programming model for scalable and reliable distributed applications. *Lecture Notes in Computer Science*, 7539:148–156, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_8/).

**Garlan:2012:FTE**

- [585] David Garlan, Vishal Dwivedi, Ivan Ruchkin, and Bradley Schmerl. Foundations and tools for end-user architecting. *Lecture Notes in Computer Science*, 7539:157–182, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_9/).

**Haber:2012:EDO**

- [586] Arne Haber, Holger Rendel, Bernhard Rumpe, and Ina Schaefer. Evolving delta-oriented software product line architectures. *Lecture Notes in Computer Science*, 7539:183–208, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_10/).

**vonHanxleden:2012:MVM**

- [587] Reinhard von Hanxleden, Edward A. Lee, Christian Motika, and Hauke Fuhrmann. Multi-view modeling and pragmatics in 2020. *Lecture Notes in Computer Science*, 7539:209–223, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_11/).

**Hennicker:2012:VBD**

- [588] Rolf Hennicker and Matthias Ludwig. View-based development of a simulation framework for multi-disciplinary environmental modelling. *Lecture*

*Notes in Computer Science*, 7539:224–250, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_12/).

**Paige:2012:RCT**

- [589] Richard F. Paige, Phillip J. Brooke, Xiaocheng Ge, and Christopher D. S. Power. Revealing complexity through domain-specific modelling and analysis. *Lecture Notes in Computer Science*, 7539:251–265, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_13/).

**Sommerville:2012:IRE**

- [590] Ian Sommerville, Russell Lock, and Tim Storer. Information requirements for enterprise systems. *Lecture Notes in Computer Science*, 7539:266–282, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_14/).

**Andre:2012:CBI**

- [591] Étienne André, Kais Klai, Hanen Ochi, and Laure Petrucci. A counterexample-based incremental and modular verification approach. *Lecture Notes in Computer Science*, 7539:283–302, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_15/).

**Calinescu:2012:CRP**

- [592] Radu Calinescu, Shinji Kikuchi, and Kenneth Johnson. Compositional reverification of probabilistic safety properties for large-scale complex IT systems. *Lecture Notes in Computer Science*, 7539:303–329, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_16/).

**Colange:2012:ESC**

- [593] Maximilien Colange, Lom-Messan Hillah, Fabrice Kordon, and Pierre Parutto. Extreme symmetries in complex distributed systems: The bag-oriented approach. *Lecture Notes in Computer Science*, 7539:330–352, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_17/).

**Dräger:2012:TCB**

- [594] Klaus Dräger and Marta Kwiatkowska. Towards communication-based steering of complex distributed systems. *Lecture Notes in Computer Science*, 7539:353–368, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_18/).

**Ghezzi:2012:EAQ**

- [595] Carlo Ghezzi. Evolution, adaptation, and the quest for incrementality. *Lecture Notes in Computer Science*, 7539:369–379, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_19/).

**Henzinger:2012:IIV**

- [596] Thomas A. Henzinger and Dejan Ničković. Independent implementability of viewpoints. *Lecture Notes in Computer Science*, 7539:380–395, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34059-8\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-34059-8_20/).

**Anonymous:2012:BMf**

- [597] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7539:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-34059-8/1>.

**Anonymous:2012:FMbc**

- [598] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7539:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34059-8/1>.

**Ammar:2012:RLT**

- [599] Haitham Bou Ammar, Matthew E. Taylor, Karl Tuyls, and Gerhard Weiss. Reinforcement learning transfer using a sparse coded inter-task mapping. *Lecture Notes in Computer Science*, 7541:1–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_1/).

**An:2012:GTS**

- [600] Bo An and Milind Tambe. Game theory for security: An important challenge for multiagent systems. *Lecture Notes in Computer Science*,

7541:17–30, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_2/).

**Brys:2012:LCO**

- [601] Tim Brys, Yann-Michaël De Hauwere, Ann Nowé, and Peter Vrancx. Local coordination in online distributed constraint optimization problems. *Lecture Notes in Computer Science*, 7541:31–47, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_3/).

**Carrera:2012:IDA**

- [602] Álvaro Carrera and Carlos A. Iglesias. Improving diagnosis agents with hybrid hypotheses confirmation reasoning techniques. *Lecture Notes in Computer Science*, 7541:48–62, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_4/).

**Cossentino:2012:TDP**

- [603] Massimo Cossentino, Carmelo Lodato, Salvatore Lopes, Patrizia Ribino, and Valeria Seidita. Towards a design process for modeling MAS organizations. *Lecture Notes in Computer Science*, 7541:63–79, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_5/).

**Emele:2012:AST**

- [604] Chukwuemeka David Emele, Timothy J. Norman, and Simon Parsons. Argumentation strategies for task delegation. *Lecture Notes in Computer Science*, 7541:80–96, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_6/).

**Fornara:2012:UOD**

- [605] Nicoletta Fornara, Daniel Okouya, and Marco Colombetti. Using OWL 2 DL for expressing ACL content and semantics. *Lecture Notes in Computer Science*, 7541:97–113, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_7/).

**Gleizes:2012:SAC**

- [606] Marie-Pierre Gleizes. Self-adaptive complex systems. *Lecture Notes in Computer Science*, 7541:114–128, 2012. CODEN LNCSD9. ISSN 0302-

9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_8/).

**Gratie:2012:ASA**

- [607] Cristian Gratie and Adina Magda Florea. Argumentation semantics for agents. *Lecture Notes in Computer Science*, 7541:129–144, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_9/).

**Kaisers:2012:MAL**

- [608] Michael Kaisers, Daan Bloembergen, and Karl Tuyls. Multi-agent learning and the reinforcement gradient. *Lecture Notes in Computer Science*, 7541:145–159, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_10/).

**Kok:2012:MGM**

- [609] Eric M. Kok, John-Jules Ch. Meyer, Herre van Oostendorp, and Henry Prakken. A methodology for the generation of multi-agent argumentation dialogue scenarios. *Lecture Notes in Computer Science*, 7541:160–174, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_11/).

**McBurney:2012:WM**

- [610] Peter McBurney. What are models for? *Lecture Notes in Computer Science*, 7541:175–188, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_12/).

**Melo:2012:QPB**

- [611] Francisco S. Melo, Matthijs T. J. Spaan, and Stefan J. Witwicki. Query-POMDP: POMDP-based communication in multiagent systems. *Lecture Notes in Computer Science*, 7541:189–204, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_13/).

**Persson:2012:MAB**

- [612] Camille Persson, Gauthier Picard, Fano Ramparany, and Olivier Boissier. A multi-agent based governance of machine-to-machine systems. *Lecture Notes in Computer Science*, 7541:205–220, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_14/).

**Seidita:2012:PPF**

- [613] Valeria Seidita, Massimo Cossentino, and Antonio Chella. A proposal of process fragment definition and documentation. *Lecture Notes in Computer Science*, 7541:221–237, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_15/).

**Perotto:2012:RIS**

- [614] Filippo Studzinski Perotto. Recognizing internal states of other agents to anticipate and coordinate interactions. *Lecture Notes in Computer Science*, 7541:238–258, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34799-3\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-34799-3_16/).

**Anonymous:2012:BMg**

- [615] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7541:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-34799-3/1>.

**Anonymous:2012:FMbd**

- [616] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7541:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34799-3/1>.

**Gratie:2012:FLA**

- [617] Cristian Gratie and Adina Magda Florea. Fuzzy labeling for argumentation frameworks. *Lecture Notes in Computer Science*, 7543:1–8, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33152-7\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33152-7_1/).

**Kakas:2012:AAB**

- [618] A. Kakas, L. Amgoud, G. Kern-Isberner, N. Maudet, and P. Moraitis. ABA: Argumentation based agents. *Lecture Notes in Computer Science*, 7543:9–27, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33152-7\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33152-7_2/).

**Kido:2012:PAS**

- [619] Hiroyuki Kido. Practical argumentation semantics for Pareto optimality and its relationships with values. *Lecture Notes in Computer Science*,

7543:28–45, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33152-7\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33152-7_3/).

**Maruyama:2012:SAM**

- [620] Yoshifumi Maruyama, Taichi Hasegawa, Takeshi Hagiwara, and Hajime Sawamura. Syncretic argumentation for multi-agents by lattice homomorphism, fusion and sum. *Lecture Notes in Computer Science*, 7543:46–65, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33152-7\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33152-7_4/).

**Takahashi:2012:SDA**

- [621] Kazuko Takahashi and Yu Nambu. A semantics for dynamic argumentation frameworks. *Lecture Notes in Computer Science*, 7543:66–85, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33152-7\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33152-7_5/).

**Bonzon:2012:OMP**

- [622] Elise Bonzon and Nicolas Maudet. On the outcomes of multiparty persuasion. *Lecture Notes in Computer Science*, 7543:86–101, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33152-7\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33152-7_6/).

**Letia:2012:AJB**

- [623] Ioan Alfred Letia and Adrian Groza. Arguing with justifications between collaborating agents. *Lecture Notes in Computer Science*, 7543:102–116, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33152-7\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33152-7_7/).

**vanderWeide:2012:RAD**

- [624] T. L. van der Weide and F. Dignum. Reasoning about and discussing preferences between arguments. *Lecture Notes in Computer Science*, 7543:117–135, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33152-7\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33152-7_8/).

**vanderWeide:2012:MCA**

- [625] T. L. van der Weide, F. Dignum, J.-J. Ch. Meyer, H. Prakken, and G. A. W. Vreeswijk. Multi-criteria argument selection in persuasion dialogues. *Lecture Notes in Computer Science*, 7543:136–153, 2012. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33152-7\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33152-7_9/).

**Emele:2012:ASC**

- [626] Chukwuemeka David Emele, Timothy J. Norman, and Simon Parsons. Argumentation strategies for collaborative plan resourcing. *Lecture Notes in Computer Science*, 7543:154–173, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33152-7\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33152-7_10/).

**Pardo:2012:CDD**

- [627] Pere Pardo, Sergio Pajares Ferrando, Eva Onaindia, Lluís Godo, and Pilar Dellunde. Cooperative dialogues for defeasible argumentation-based planning. *Lecture Notes in Computer Science*, 7543:174–193, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33152-7\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33152-7_11/).

**Parsons:2012:UAR**

- [628] Simon Parsons, Elizabeth Sklar, and Peter McBurney. Using argumentation to reason with and about trust. *Lecture Notes in Computer Science*, 7543:194–212, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33152-7\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33152-7_12/).

**Sklar:2012:TAA**

- [629] Elizabeth Sklar and M. Q. Azhar. Toward the application of argumentation to interactive learning systems. *Lecture Notes in Computer Science*, 7543:213–230, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33152-7\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33152-7_13/).

**Anonymous:2012:BMh**

- [630] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7543:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-33152-7/1>.

**Anonymous:2012:FMbe**

- [631] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7543:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33152-7/1>.

**Ficarra:2012:LTC**

- [632] Francisco V. Cipolla Ficarra. Local tourism and cultural heritage internalization: Myths and realities from software. *Lecture Notes in Computer Science*, 7546:1–14, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33944-8\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33944-8_1/).

**Herrera:2012:ECC**

- [633] Susana I. Herrera and Silvia del V. Zuaín. Emotion and communicability in e-culture applications. *Lecture Notes in Computer Science*, 7546:15–24, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33944-8\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33944-8_2/).

**Ficarra:2012:EEC**

- [634] Francisco V. Cipolla Ficarra. The expansion era of the communicability: First nations for the local and global promotion of cultural and natural heritage. *Lecture Notes in Computer Science*, 7546:25–37, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33944-8\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33944-8_3/).

**Digion:2012:CIU**

- [635] Leda B. Digi3n and Mabel Sosa. Conceptual integration of usability and communicability for the interface maintenance of E-learning type collaborative systems. *Lecture Notes in Computer Science*, 7546:38–48, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33944-8\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33944-8_4/).

**Ficarra:2012:TAC**

- [636] Francisco V. Cipolla Ficarra. Trichotomic analysis: Communicability, distance learning and hypermedia systems off-line. *Lecture Notes in Computer Science*, 7546:49–63, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33944-8\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33944-8_5/).

**Trejo:2012:FOW**

- [637] Natalia Trejo, Sandra Casas, and Karim Hallar. A feature-oriented WSDL extension for describing grid services. *Lecture Notes in Computer Science*, 7546:64–72, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33944-8\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33944-8_6/).

**Ficarra:2012:DPG**

- [638] Francisco V. Cipolla Ficarra. Digital photography and geographical information in the Web 2.0: a quality evaluation of the contents. *Lecture Notes in Computer Science*, 7546:73–88, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33944-8\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33944-8_7/).

**Kratky:2012:PNS**

- [639] Andreas Kratky. Playing nature — a short history of our mediated relationship to nature. *Lecture Notes in Computer Science*, 7546:89–98, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33944-8\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33944-8_8/).

**Sanchez:2012:VRW**

- [640] Gonzalo Martín Sánchez. Virtual reconstruction of the wall and alcazar of Molina de Segura. *Lecture Notes in Computer Science*, 7546:99–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33944-8\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33944-8_9/).

**deAbajo:2012:ERD**

- [641] Beatriz Sainz de Abajo and Lucas D. P. Mendes. eGovernment: Real democracy in digital society. *Lecture Notes in Computer Science*, 7546:113–123, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33944-8\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33944-8_10/).

**Jimenez:2012:RNS**

- [642] Mauricio Pérez Jiménez. Reviews on the narrative status of video games. *Lecture Notes in Computer Science*, 7546:124–132, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33944-8\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33944-8_11/).

**Ridwan:2012:SOB**

- [643] Sohaila Binte Ridwan and Hasan Shahid Ferdous. The state of OpenStreetMap in Bangladesh. *Lecture Notes in Computer Science*, 7546:133–143, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33944-8\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33944-8_12/).

**Benotti:2012:BVG**

- [644] Luciana Benotti and Alexandre Denis. Building virtual guides for virtual worlds. *Lecture Notes in Computer Science*, 7546:144–153, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33944-8\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33944-8_13/).

**Cerratto-Pargman:2012:UCD**

- [645] T. Cerratto-Pargman and O. Knutsson. User centered development of automatic E-mail answering for the public sector. *Lecture Notes in Computer Science*, 7546:154–156, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33944-8\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33944-8_14/).

**Anonymous:2012:BMi**

- [646] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7546:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-33944-8/1>.

**Anonymous:2012:FMbf**

- [647] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7546:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33944-8/1>.

**Ficarra:2012:AUC**

- [648] Francisco V. Cipolla Ficarra. The argentinization of the user centered design. *Lecture Notes in Computer Science*, 7547:1–14, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_1/).

**Clusella:2012:ISC**

- [649] María M. Clusella and María G. Mitre. Integrated synergy for cultural contents recursivity in e-culture system. *Lecture Notes in Computer Science*, 7547:15–25, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_2/).

**Buzzi:2012:FSA**

- [650] M. Claudia Buzzi and Francesco Donini. Federation and security aspects for the management of the EHR in Italy. *Lecture Notes in Computer Science*, 7547:26–37, 2012. CODEN LNCSD9. ISSN 0302-9743 (print),

1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_3/).

**Rodriguez:2012:SRU**

- [651] Juan Manuel Rodríguez and Cristian Mateos. Are Smartphones really useful for scientific computing? *Lecture Notes in Computer Science*, 7547:38–47, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_4/).

**Podgorelec:2012:ORB**

- [652] Vili Podgorelec. Ontology and rule based inferring on project teams. *Lecture Notes in Computer Science*, 7547:48–57, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_5/).

**Pacini:2012:SCC**

- [653] Elina Pacini, Melisa Ribero, and Cristian Mateos. Simulation on cloud computing infrastructures of parametric studies of nonlinear solids problems. *Lecture Notes in Computer Science*, 7547:58–70, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_6/).

**Ficarra:2012:NTI**

- [654] Francisco V. Cipolla Ficarra. New technologies of the information and communication: Analysis of the constructors and destructors of the European educational system. *Lecture Notes in Computer Science*, 7547:71–84, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_7/).

**Fares:2012:MAM**

- [655] Rubén Fares and Rosanna Costaguta. A multi-agent model that promotes team-role balance in computer supported collaborative learning. *Lecture Notes in Computer Science*, 7547:85–91, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_8/).

**Yannibelli:2012:MAC**

- [656] Virginia Yannibelli and Analía Amandi. A memetic algorithm for collaborative learning team formation in the context of software engineering courses. *Lecture Notes in Computer Science*, 7547:92–103, 2012. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_9/).

**Alharbi:2012:EDG**

- [657] Saad Alharbi. Empirically derived guidelines for audio-visual E-mail browsing. *Lecture Notes in Computer Science*, 7547:104–113, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_10/).

**Corbellini:2012:IAU**

- [658] Alejandro Corbellini and Silvia Schiaffino. Intelligent analysis of user interactions in a collaborative software engineering context. *Lecture Notes in Computer Science*, 7547:114–123, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_11/).

**Ficarra:2012:MNG**

- [659] Francisco V. Cipolla Ficarra. Motivation for next generation of users versus parochialism in software engineering. *Lecture Notes in Computer Science*, 7547:124–133, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_12/).

**Costaguta:2012:GSP**

- [660] Rosanna Costaguta and Elena Durán. Group and students profiles to support collaborative learning in a multiagent model. *Lecture Notes in Computer Science*, 7547:134–139, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_13/).

**Rodriguez:2012:TSS**

- [661] Guillermo Rodríguez and Alvaro Soria. Teaching Scrum to software engineering students with virtual reality support. *Lecture Notes in Computer Science*, 7547:140–150, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_14/).

**Ficarra:2012:SAI**

- [662] Francisco V. Cipolla Ficarra and Andreas Kratky. Security of the automatic information on-line: a study of the controls forbid. *Lecture Notes in Computer Science*, 7547:151–164, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_15/).

**Digion:2012:CUI**

- [663] Leda B. Digi3n and Mabel Sosa. Communicability and usability for the interface in e-learning. *Lecture Notes in Computer Science*, 7547: 165–175, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_16/).

**Nicoletti:2012:TSA**

- [664] Matias Nicoletti and J. Andr3s Diaz-Pace. Towards software architecture documents matching stakeholders' interests. *Lecture Notes in Computer Science*, 7547:176–185, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_17/).

**Salinas:2012:ARB**

- [665] Sergio Ariel Salinas and Carlos Garc3a Garino. An architecture for resource behavior prediction to improve scheduling systems performance on enterprise desktop grids. *Lecture Notes in Computer Science*, 7547: 186–196, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_18/).

**Logrono:2012:DSA**

- [666] Juan Francisco Silva Logro3o and Luis Berd3n. Discrete sequences analysis for detecting software design patterns. *Lecture Notes in Computer Science*, 7547:197–207, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_19/).

**Crasso:2012:PMS**

- [667] Marco Crasso and Cristian Mateos. A programming model for the semantic Web. *Lecture Notes in Computer Science*, 7547:208–218, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34010-9\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-34010-9_20/).

**Anonymous:2012:FMbg**

- [668] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7547: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34010-9/1>.

**Kasabov:2012:MEG**

- [669] Nikola Kasabov, Stefan Schliebs, and Ammar Mohemmed. Modelling the effect of genes on the dynamics of probabilistic spiking neural networks for computational neurogenetic modelling. *Lecture Notes in Computer Science*, 7548:1–9, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_1/).

**DiSerio:2012:BMB**

- [670] Clelia Di Serio, Danilo Pellin, Alessandro Ambrosi, Ingrid Glad, and Arnoldo Frigessi. Biostatistics meets bioinformatics in integrating information from highdimensional heterogeneous genomic data: Two examples from rare genetic diseases and infectious diseases. *Lecture Notes in Computer Science*, 7548:10–20, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_2/).

**Angelini:2012:BMM**

- [671] Claudia Angelini, Daniela De Canditiis, Marianna Pensky, and Naomi Brownstein. Bayesian models for the multi-sample time-course microarray experiments. *Lecture Notes in Computer Science*, 7548:21–35, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_3/).

**Barla:2012:MLP**

- [672] Annalisa Barla, Giuseppe Jurman, Roberto Visintainer, and Margherita Squillario. A machine learning pipeline for discriminant pathways identification. *Lecture Notes in Computer Science*, 7548:36–48, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_4/).

**Lisboa:2012:DHP**

- [673] Paulo J. G. Lisboa, Ian H. Jarman, Terence A. Etchells, and Simon J. Chambers. Discovering hidden pathways in bioinformatics. *Lecture Notes in Computer Science*, 7548:49–60, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_5/).

**Bassani:2012:RMM**

- [674] Niccolò Bassani, Federico Ambrogio, Cristina Battaglia, and Elia Biganzoli. Reliability of miRNA microarray platforms: An approach based

on random effects linear models. *Lecture Notes in Computer Science*, 7548:61–72, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_6/).

**Spinelli:2012:BPI**

- [675] Roberta Spinelli, Rocco Piazza, Alessandra Pirola, Simona Valletta, and Roberta Rostagno. A bioinformatics procedure to identify and annotate somatic mutations in whole-exome sequencing data. *Lecture Notes in Computer Science*, 7548:73–82, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_7/).

**Gonzalez-Navarro:2012:FSP**

- [676] Félix Fernando González-Navarro and Lluís A. Belanche-Muñoz. Feature selection for the prediction and visualization of brain tumor types using proton magnetic resonance spectroscopy data. *Lecture Notes in Computer Science*, 7548:83–97, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_8/).

**Ribas:2012:UGM**

- [677] Vicent J. Ribas, Jesús Caballero López, Anna Sáez de Tejada, and Juan Carlos Ruiz-Rodríguez. On the use of graphical models to study ICU outcome prediction in septic patients treated with statins. *Lecture Notes in Computer Science*, 7548:98–111, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_9/).

**Canakoglu:2012:IBI**

- [678] Arif Canakoglu, Giorgio Ghisalberty, and Marco Masseroli. Integration of biomolecular interaction data in a genomic and proteomic data warehouse to support biomedical knowledge discovery. *Lecture Notes in Computer Science*, 7548:112–126, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_10/).

**Savojardo:2012:MLM**

- [679] Castrense Savojardo, Piero Fariselli, Damiano Piovesan, and Pier Luigi Martelli. Machine-learning methods to predict protein interaction sites in folded proteins. *Lecture Notes in Computer Science*, 7548:127–135, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_11/).

**Cardenas:2012:CKB**

- [680] Martha Ivón Cárdenas, Alfredo Vellido, Iván Olier, Xavier Rovira, and Jesús Giraldo. Complementing kernel-based visualization of protein sequences with their phylogenetic tree. *Lecture Notes in Computer Science*, 7548:136–149, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_12/).

**Jancura:2012:DSF**

- [681] Pavol Jancura, Dimitrios Mavroeidis, and Elena Marchiori. DEEN: a simple and fast algorithm for network community detection. *Lecture Notes in Computer Science*, 7548:150–163, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_13/).

**Castiglioni:2012:SSP**

- [682] Paolo Castiglioni. Self-similarity in physiological time series: New perspectives from the temporal spectrum of scale exponents. *Lecture Notes in Computer Science*, 7548:164–175, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_14/).

**Eleuteri:2012:SVM**

- [683] Antonio Eleuteri and Azzam F. G. Taktak. Support vector machines for survival regression. *Lecture Notes in Computer Science*, 7548:176–189, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_15/).

**Floares:2012:BCT**

- [684] Alexandru George Floares, Irina Luludachi, Colin Dinney, and Liana Adam. Boosted C5 trees *i*-biomarkers panel for invasive bladder cancer progression prediction. *Lecture Notes in Computer Science*, 7548:190–200, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_16/).

**Zambelli:2012:FAM**

- [685] Federico Zambelli and Giulio Pavesi. A faster algorithm for motif finding in sequences from ChIP-Seq data. *Lecture Notes in Computer Science*, 7548:201–212, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_17/).

**Colas:2012:CCP**

- [686] Fabrice Colas and Jeanine J. Houwing-Duistermaat. Case/control prediction from Illumina Methylation Microarray's  $\beta$  and two-color channels in the presence of batch effects. *Lecture Notes in Computer Science*, 7548: 213–225, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_18/).

**Napolitano:2012:SDC**

- [687] Francesco Napolitano and Roberto Tagliaferri. Supporting the design, communication and management of bioinformatic protocols through the leaf tool. *Lecture Notes in Computer Science*, 7548:226–237, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_19/).

**Chicco:2012:GAP**

- [688] Davide Chicco, Marco Tagliasacchi, and Marco Masseroli. Genomic annotation prediction based on integrated information. *Lecture Notes in Computer Science*, 7548:238–252, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35686-5\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-35686-5_20/).

**Anonymous:2012:BMj**

- [689] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7548: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-35686-5/1>.

**Anonymous:2012:FMbh**

- [690] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7548: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-35686-5/1>.

**Nyberg:2012:PSA**

- [691] Kaisa Nyberg. “provable” security against differential and linear cryptanalysis. *Lecture Notes in Computer Science*, 7549:1–8, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_1/).

**Dinur:2012:IAF**

- [692] Itai Dinur, Orr Dunkelman, and Adi Shamir. Improved attacks on full GOST. *Lecture Notes in Computer Science*, 7549:9–28, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_2/).

**Bogdanov:2012:ZCL**

- [693] Andrey Bogdanov and Meiqin Wang. Zero correlation linear cryptanalysis with reduced data complexity. *Lecture Notes in Computer Science*, 7549:29–48, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_3/).

**Wang:2012:MSA**

- [694] Meiqin Wang, Yue Sun, Elmar Tischhauser, and Bart Preneel. A model for structure attacks, with applications to PRESENT and Serpent. *Lecture Notes in Computer Science*, 7549:49–68, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_4/).

**Lu:2012:MDL**

- [695] Jiqiang Lu. A methodology for differential-linear cryptanalysis and its applications. *Lecture Notes in Computer Science*, 7549:69–89, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_5/).

**Liu:2012:NOI**

- [696] Ya Liu, Leibo Li, Dawu Gu, Xiaoyun Wang, Zhiqiang Liu, Jiazhe Chen, and Wei Li. New observations on impossible differential cryptanalysis of reduced-round Camellia. *Lecture Notes in Computer Science*, 7549:90–109, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_6/).

**Jean:2012:IRA**

- [697] Jérémy Jean, María Naya-Plasencia, and Thomas Peyrin. Improved rebound attack on the finalist Grøstl. *Lecture Notes in Computer Science*, 7549:110–126, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_7/).

**Wu:2012:PPA**

- [698] Shuang Wu, Dengguo Feng, Wenling Wu, Jian Guo, Le Dong, and Jian Zou. (pseudo) preimage attack on round-reduced Grøstl hash function and others. *Lecture Notes in Computer Science*, 7549:127–145, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_8/).

**Naya-Plasencia:2012:PCA**

- [699] María Naya-Plasencia and Thomas Peyrin. Practical cryptanalysis of ARMADILLO2. *Lecture Notes in Computer Science*, 7549:146–162, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_9/).

**Wei:2012:SIV**

- [700] Lei Wei, Thomas Peyrin, Przemysław Sokołowski, San Ling, Josef Pieprzyk, and Huaxiong Wang. On the (in)security of IDEA in various hashing modes. *Lecture Notes in Computer Science*, 7549:163–179, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_10/).

**Rogaway:2012:SCS**

- [701] Phillip Rogaway, Mark Wooding, and Haibin Zhang. The security of ciphertext stealing. *Lecture Notes in Computer Science*, 7549:180–195, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_11/).

**Fleischmann:2012:MFA**

- [702] Ewan Fleischmann, Christian Forler, and Stefan Lucks. McOE: a family of almost foolproof on-line authenticated encryption schemes. *Lecture Notes in Computer Science*, 7549:196–215, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_12/).

**Saarinen:2012:CAG**

- [703] Markku-Juhani Olavi Saarinen. Cycling attacks on GCM, GHASH and other polynomial MACs and hashes. *Lecture Notes in Computer Science*, 7549:216–225, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_13/).

**Mendel:2012:CAR**

- [704] Florian Mendel, Tomislav Nad, and Martin Schl affer. Collision attacks on the reduced dual-stream hash function RIPEMD-128. *Lecture Notes in Computer Science*, 7549:226–243, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_14/).

**Khovratovich:2012:BPA**

- [705] Dmitry Khovratovich, Christian Rechberger, and Alexandra Savelieva. Bicliques for preimages: Attacks on Skein-512 and the SHA-2 family. *Lecture Notes in Computer Science*, 7549:244–263, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_15/).

**Li:2012:CMM**

- [706] Ji Li, Takanori Isobe, and Kyoji Shibutani. Converting meet-in-the-middle preimage attack into pseudo collision attack: Application to SHA-2. *Lecture Notes in Computer Science*, 7549:264–286, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_16/).

**Velichkov:2012:USS**

- [707] Vesselin Velichkov, Nicky Mouha, Christophe De Canni ere, and Bart Preneel. UNAF: a special set of additive differences with application to the differential analysis of ARX. *Lecture Notes in Computer Science*, 7549:287–305, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_17/).

**Courtois:2012:EAR**

- [708] Nicolas T. Courtois, Pouyan Sepehrdad, Petr Su il, and Serge Vaudenay. ElimLin algorithm revisited. *Lecture Notes in Computer Science*, 7549:306–325, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_18/).

**Nguyen:2012:SOU**

- [709] Long Hoang Nguyen and A. W. Roscoe. Short-output universal hash functions and their use in fast and secure data authentication. *Lecture Notes in Computer Science*, 7549:326–345, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_19/).

**Heyse:2012:LEA**

- [710] Stefan Heyse, Eike Kiltz, Vadim Lyubashevsky, Christof Paar, and Krzysztof Pietrzak. Lapin: An efficient authentication protocol based on ring-LPN. *Lecture Notes in Computer Science*, 7549:346–365, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34047-5\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-34047-5_20/).

**Anonymous:2012:FMbi**

- [711] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7549:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34047-5/1>.

**Nakano:2012:IVA**

- [712] Yukiko Nakano, Michael Neff, Ana Paiva, and Marilyn Walker, editors. *Intelligent Virtual Agents: 12th International Conference, IVA 2012, Santa Cruz, CA, USA, September, 12–14, 2012. Proceedings*, volume 7502 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33196-3 (print), 3-642-33197-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33197-8>.

**Morzy:2012:ADI**

- [713] Tadeusz Morzy, Theo Härder, and Robert Wrembel, editors. *Advances in Databases and Information Systems: 16th East European Conference, ADBIS 2012, Poznań, Poland, September 18–21, 2012. Proceedings*, volume 7503 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33073-8 (print), 3-642-33074-6 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33074-2>.

**Su:2012:IRA**

- [714] Chun-Yi Su, Subhash Rakheja, and Honghai Liu, editors. *Intelligent Robotics and Applications: 5th International Conference, ICIRA 2012, Montreal, Canada, October 3–5, 2012, Proceedings, Part II*, volume 7507 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33514-4 (print), 3-642-33515-2 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33515-0>.

**Yap:2012:MBI**

- [715] Pew-Thian Yap, Tianming Liu, Dinggang Shen, Carl-Fredrik Westin, and Li Shen, editors. *Multimodal Brain Image Analysis: Second International Workshop, MBIA 2012, Held in Conjunction with MICCAI 2012, Nice, France, October 1–5, 2012. Proceedings*, volume 7509 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33529-2 (print), 3-642-33530-6 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33530-3>.

**Ayache:2012:MICa**

- [716] Nicholas Ayache, Hervé Delingette, Polina Golland, and Kensaku Mori, editors. *Medical Image Computing and Computer-Assisted Intervention — MICCAI 2012: 15th International Conference, Nice, France, October 1–5, 2012, Proceedings, Part I*, volume 7510 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33414-8 (print), 3-642-33415-6 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33415-3>.

**Ayache:2012:MICb**

- [717] Nicholas Ayache, Hervé Delingette, Polina Golland, and Kensaku Mori, editors. *Medical Image Computing and Computer-Assisted Intervention — MICCAI 2012: 15th International Conference, Nice, France, October 1–5, 2012, Proceedings, Part II*, volume 7511 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33417-2 (print), 3-642-33418-0 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33418-4>.

**Ayache:2012:MICc**

- [718] Nicholas Ayache, Hervé Delingette, Polina Golland, and Kensaku Mori, editors. *Medical Image Computing and Computer-Assisted Intervention — MICCAI 2012: 15th International Conference, Nice, France, October 1–5, 2012, Proceedings, Part III*, volume 7512 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33453-9 (print), 3-642-33454-7 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33454-2>.

**Park:2012:NPC**

- [719] James J. Park, Albert Zomaya, Sang-Soo Yeo, and Sartaj Sahni, editors. *Network and Parallel Computing: 9th IFIP International Confer-*

ence, *NPC 2012, Gwangju, Korea, September 6–8, 2012. Proceedings*, volume 7513 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-35605-2 (print), 3-642-35606-0 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-35606-3>.

**Fraser:2012:SBS**

- [720] Gordon Fraser and Jerffeson Teixeira de Souza, editors. *Search Based Software Engineering: 4th International Symposium, SSBSE 2012, Riva del Garda, Italy, September 28–30, 2012. Proceedings*, volume 7515 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33118-1 (print), 3-642-33119-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33119-0>.

**Gobel:2012:LGT**

- [721] Stefan Göbel, Wolfgang Müller, Bodo Urban, and Josef Wiemeyer, editors. *E-Learning and Games for Training, Education, Health and Sports: 7th International Conference, Edutainment 2012 and 3rd International Conference, GameDays 2012, Darmstadt, Germany, September 18–20, 2012. Proceedings*, volume 7516 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33465-2 (print), 3-642-33466-0 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33466-5>.

**Blanc-Talon:2012:ACI**

- [722] Jacques Blanc-Talon, Wilfried Philips, Dan Popescu, Paul Scheunders, and Pavel Zemčik, editors. *Advanced Concepts for Intelligent Vision Systems: 14th International Conference, ACIVS 2012, Brno, Czech Republic, September 4–7, 2012. Proceedings*, volume 7517 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33139-4 (print), 3-642-33140-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33140-4>.

**Castano:2012:ACM**

- [723] Silvana Castano, Panos Vassiliadis, Laks V. Lakshmanan, and Mong Li Lee, editors. *Advances in Conceptual Modeling: ER 2012 Workshops CMS, ECDM-NoCoDA, MoDIC, MORE-BI, RIGiM, SeCoGIS, WISM, Florence, Italy, October 15–18, 2012. Proceedings*, volume 7518 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA,

2012. CODEN LNCSD9. ISBN 3-642-33998-0 (print), 3-642-33999-9 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33999-8>.

**delCerro:2012:LAI**

- [724] Luis Fariñas del Cerro, Andreas Herzig, and Jérôme Mengin, editors. *Logics in Artificial Intelligence: 13th European Conference, JELIA 2012, Toulouse, France, September 26–28, 2012. Proceedings*, volume 7519 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33352-4 (print), 3-642-33353-2 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33353-8>.

**Hullermeier:2012:SUM**

- [725] Eyke Hüllermeier, Sebastian Link, Thomas Fober, and Bernhard Seeger, editors. *Scalable Uncertainty Management: 6th International Conference, SUM 2012, Marburg, Germany, September 17–19, 2012. Proceedings*, volume 7520 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33361-3 (print), 3-642-33362-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33362-0>.

**Roychoudhury:2012:TAC**

- [726] Abhik Roychoudhury and Meenakshi D’Souza, editors. *Theoretical Aspects of Computing — ICTAC 2012: 9th International Colloquium, Bangalore, India, September 24–27, 2012. Proceedings*, volume 7521 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-32942-X (print), 3-642-32943-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-32943-2>.

**Herrlich:2012:ECI**

- [727] Marc Herrlich, Rainer Malaka, and Maic Masuch, editors. *Entertainment Computing — ICEC 2012: 11th International Conference, ICEC 2012, Bremen, Germany, September 26–29, 2012. Proceedings*, volume 7522 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33541-1 (print), 3-642-33542-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33542-6>.

**Flach:2012:MLKa**

- [728] Peter A. Flach, Tijl De Bie, and Nello Cristianini, editors. *Machine Learning and Knowledge Discovery in Databases: European Conference, ECML*

*PKDD 2012, Bristol, UK, September 24–28, 2012. Proceedings, Part I*, volume 7523 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33459-8 (print), 3-642-33460-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33460-3>.

**Flach:2012:MLKb**

- [729] Peter A. Flach, Tijn De Bie, and Nello Cristianini, editors. *Machine Learning and Knowledge Discovery in Databases: European Conference, ECML PKDD 2012, Bristol, UK, September 24–28, 2012. Proceedings, Part II*, volume 7524 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33485-7 (print), 3-642-33486-5 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33486-3>.

**Glimm:2012:KAA**

- [730] Birte Glimm and Antonio Krüger, editors. *KI 2012: Advances in Artificial Intelligence: 35th Annual German Conference on AI, Saarbrücken, Germany, September 24–27, 2012. Proceedings*, volume 7526 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33346-X (print), 3-642-33347-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33347-7>.

**Avgeriou:2012:SER**

- [731] Paris Avgeriou, editor. *Software Engineering for Resilient Systems: 4th International Workshop, SERENE 2012, Pisa, Italy, September 27–28, 2012. Proceedings*, volume 7527 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33175-0 (print), 3-642-33176-9 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33176-3>.

**Ma:2012:SGD**

- [732] Minhua Ma, Manuel Fradinho Oliveira, Jannicke Baalsrud Hauge, Heiko Duin, and Klaus-Dieter Thoben, editors. *Serious Games Development and Applications: Third International Conference, SGDA 2012, Bremen, Germany, September 26–29, 2012. Proceedings*, volume 7528 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33686-8 (print), 3-642-33687-6 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33687-4>.

**Lei:2012:AIC**

- [733] Jingsheng Lei, Fu Lee Wang, Hepu Deng, and Duoqian Miao, editors. *Artificial Intelligence and Computational Intelligence: 4th International Conference, AICI 2012, Chengdu, China, October 26–28, 2012. Proceedings*, volume 7530 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCS9. ISBN 3-642-33477-6 (print), 3-642-33478-4 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ??? URL <http://www.springerlink.com/content/978-3-642-33478-8>.

**Kotenko:2012:CNS**

- [734] Igor Kotenko and Victor Skormin, editors. *Computer Network Security: 6th International Conference on Mathematical Methods, Models and Architectures for Computer Network Security, MMM-ACNS 2012, St. Petersburg, Russia, October 17–19, 2012. Proceedings*, volume 7531 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCS9. ISBN 3-642-33703-1 (print), 3-642-33704-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ??? URL <http://www.springerlink.com/content/978-3-642-33704-8>.

**Atzeni:2012:CMI**

- [735] Paolo Atzeni, David Cheung, and Sudha Ram, editors. *Conceptual Modeling: 31st International Conference ER 2012, Florence, Italy, October 15–18, 2012. Proceedings*, volume 7532 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCS9. ISBN 3-642-34001-6 (print), 3-642-34002-4 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ??? URL <http://www.springerlink.com/content/978-3-642-34002-4>.

**Hevia:2012:PCL**

- [736] Alejandro Hevia and Gregory Neven, editors. *Progress in Cryptology — LATINCRYPT 2012: 2nd International Conference on Cryptology and Information Security in Latin America, Santiago, Chile, October 7–10, 2012. Proceedings*, volume 7533 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCS9. ISBN 3-642-33480-6 (print), 3-642-33481-4 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ??? URL <http://www.springerlink.com/content/978-3-642-33481-8>.

**Raphael:2012:ABI**

- [737] Ben Raphael and Jijun Tang, editors. *Algorithms in Bioinformatics: 12th International Workshop, WABI 2012, Ljubljana, Slovenia, September 10–12, 2012. Proceedings*, volume 7534 of *Lecture Notes in Computer Science*.

Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33121-1 (print), 3-642-33122-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33122-0>.

**Thilikos:2012:PEC**

- [738] Dimitrios M. Thilikos and Gerhard J. Woeginger, editors. *Parameterized and Exact Computation: 7th International Symposium, IPEC 2012, Ljubljana, Slovenia, September 12–14, 2012. Proceedings*, volume 7535 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33292-7 (print), 3-642-33293-5 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33293-7>.

**Ceri:2012:SCB**

- [739] Stefano Ceri and Marco Brambilla, editors. *Search Computing: Broadening Web Search*, volume 7538 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34212-4 (print), 3-642-34213-2 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34213-4>.

**Calinescu:2012:LSC**

- [740] Radu Calinescu and David Garlan, editors. *Large-Scale Complex IT Systems. Development, Operation and Management: 17th Monterey Workshop 2012, Oxford, UK, March 19–21, 2012, Revised Selected Papers*, volume 7539 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34058-X (print), 3-642-34059-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34059-8>.

**Cossentino:2012:MAS**

- [741] Massimo Cossentino, Michael Kaisers, Karl Tuyls, and Gerhard Weiss, editors. *Multi-Agent Systems: 9th European Workshop, EUMAS 2011, Maastricht, The Netherlands, November 14–15, 2011. Revised Selected Papers*, volume 7541 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34798-3 (print), 3-642-34799-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34799-3>.

**McBurney:2012:AMA**

- [742] Peter McBurney, Simon Parsons, and Iyad Rahwan, editors. *Argumentation in Multi-Agent Systems: 8th International Workshop, ArgMAS 2011, Taipei, Taiwan, May 3, 2011, Revised Selected Papers*, volume 7543 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33151-3 (print), 3-642-33152-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33152-7>.

**Cipolla-Ficarra:2012:HCI**

- [743] Francisco Cipolla-Ficarra, Kim Veltman, Huang Chih-Fang, Miguel Cipolla-Ficarra, and Andreas Kratky, editors. *Human-Computer Interaction, Tourism and Cultural Heritage: Second International Workshop, HCITOCH 2011, Córdoba, Argentina, September 14–15, 2011, Revised Selected Papers*, volume 7546 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33943-3 (print), 3-642-33944-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33944-8>.

**Cipolla-Ficarra:2012:ANT**

- [744] Francisco Cipolla-Ficarra, Kim Veltman, Domen Verber, Miguel Cipolla-Ficarra, and Florian Kammüller, editors. *Advances in New Technologies, Interactive Interfaces and Communicability: Second International Conference, ADNTIIC 2011, Huerta Grande, Argentina, December 5–7, 2011, Revised Selected Papers*, volume 7547 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34009-1 (print), 3-642-34010-5 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34010-9>.

**Biganzoli:2012:CIM**

- [745] Elia Biganzoli, Alfredo Vellido, Federico Ambrogi, and Roberto Tagliiferri, editors. *Computational Intelligence Methods for Bioinformatics and Biostatistics: 8th International Meeting, CIBB 2011, Gargnano del Garda, Italy, June 30–July 2, 2011, Revised Selected Papers*, volume 7548 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-35685-0 (print), 3-642-35686-9 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-35686-5>.

<b>Canteaut:2012:FSE</b>
--------------------------

- [746] Anne Canteaut, editor. *Fast Software Encryption: 19th International Workshop, FSE 2012, Washington, DC, USA, March 19–21, 2012. Revised Selected Papers*, volume 7549 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34046-6 (print), 3-642-34047-4 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34047-5>.