

# A Bibliography of Papers in *Lecture Notes in Computer Science* (2012): Volumes 7550–7599

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

1 [387, 565, 288]. 2 [264, 426]. 3  
[411, 348, 310, 295, 522, 426, 311, 454, 307, 427].  $3d + t$  [341]. 4 [303]. 5 [373].  
<sup>st</sup> [231]. <sub>1</sub> [112]. <sub>2</sub> [112].  $\square$  [470].  $\mathcal{M}$  [221].  $h$  [26].  $k$  [551, 228].  $L(2, 1)$  [29].  $L_2$   
[366].  $\mathcal{M}, \mathcal{N}$  [223].  $n$  [120].

**-Adhesive** [221, 223]. **-Center** [387]. **-cubics** [526]. **-Cycle** [120]. **-D** [307].  
**-Gons** [373]. **-Highway** [387]. **-Holes** [373]. **-Hop** [565]. **-Median** [288].  
**-Placement** [551]. **-Quasi** [26]. **-Span** [29].

**10th** [637]. **11th** [639, 623, 618]. **12th** [626, 627, 628]. **13th** [620]. **14th**  
[638]. **15th** [634, 624, 617]. **16th** [614].

**2.0** [237]. **21st** [238, 622, 622]. **22nd** [612, 613].

**3** [256]. **38th** [611]. **3D** [406, 415, 463, 593, 407, 434]. **3G** [501].

**4** [518]. **4D** [300].

**60th** [629]. **6th** [621, 610].

**7th** [622].

**Aberrations** [344]. **above** [34]. **Abstract** [23]. **Abstraction** [213].  
**Abstractions** [535]. **AC** [581]. **AC-CS** [581]. **Academic** [130].  
**Accelerator** [50]. **Access** [261, 255, 262]. **Account** [15]. **Accuracy** [425].  
**Accurate** [93]. **Achieving** [123]. **Acquainted** [182]. **Acquisition** [519, 528].  
**across** [506, 364, 317, 507]. **Action** [173, 174, 430, 318, 356, 49, 358].  
**Activation** [132]. **Active** [335, 286]. **Activities** [320, 170]. **Activity**  
[357, 464, 543]. **Actuality** [242]. **Actually** [240]. **Ad** [258]. **Ad-hoc** [258].  
**Adaboost** [598]. **Adaptable** [84]. **Adaptation** [149, 499]. **Adaptive**  
[245, 523, 250, 170, 62, 420]. **Adaptivity** [63]. **Adhesive** [221, 223].  
**Adjusted** [525]. **Ado** [493]. **Advanced** [270]. **Advances** [269, 618].  
**Advertisement** [398]. **Aerial** [519]. **Affect** [443]. **Affective** [359, 177].  
**after** [304]. **against** [227]. **Age** [595]. **Age-Related** [595]. **Agent**  
[394, 559, 396, 401, 395, 630, 630]. **Agent-Based** [396, 401, 395].  
**Aggregation** [491]. **Aging** [442, 443]. **Aid** [478]. **Aided** [422]. **AIMSA**  
[617]. **Airports** [104]. **Alcalá** [629]. **Algebra** [192, 191, 190, 207]. **Algebraic**  
[200, 620]. **Algebras** [204, 199]. **Algorithm** [511, 587, 105, 438, 287, 581,  
339, 520, 579, 264, 263, 586, 552, 132, 288, 576, 65, 582, 589]. **Algorithmic**  
[590]. **Algorithmically** [518]. **Algorithms** [560, 33, 289]. **Alignment**  
[417, 370, 334, 369]. **Alignment-Based** [369]. **Allocation** [397, 101, 498].  
**Alloy** [521]. **Alternating** [17]. **Alternative** [473]. **Alzheimer** [296].  
**AMASE** [170]. **Ambient** [312]. **American** [120]. **among** [374, 67].  
**Amorphous** [47]. **Analog** [47]. **Analysis**  
[54, 8, 82, 430, 500, 236, 625, 238, 296, 502, 540, 440, 58, 243, 394, 416, 637,  
181, 453, 640, 136, 486, 589, 359, 362, 408, 444, 409, 94, 352, 178, 595, 499].  
**Analytical** [413]. **Analyzing** [299, 136]. **Anatomical** [593]. **Anatomy**  
[301, 600]. **Anchored** [417]. **Aneurysms** [515, 598]. **Angle** [391].  
**Annotation** [348, 156, 337]. **Announcement** [566, 554, 558, 559, 553, 567].  
**Anomaly** [586, 588, 573]. **Anonymization** [116]. **Anonymous** [554].  
**Anthropometric** [455]. **Anticipatory** [400]. **Appeal** [493]. **Application**  
[346, 278, 513, 173, 520, 214, 485, 603, 604, 302, 515, 356, 106, 103].  
**Applications** [226, 503, 133, 617, 507]. **Applied** [165, 583]. **Applying** [99].  
**Approach** [174, 151, 397, 577, 422, 323, 61, 96, 247, 454, 583, 584, 495, 588,  
262, 468, 369, 69, 361]. **Approaches** [152]. **Approximate** [332].  
**Approximation** [288]. **Approximations** [512, 212]. **Apps** [158]. **Arbitrary**  
[553]. **Architectural** [532]. **Architecture** [54, 42, 39, 477, 518, 503, 498].  
**Architectures** [492, 505, 494]. **Archiving** [125]. **Area** [391, 26, 132].

**Ariadne** [8]. **Arithmetic** [523]. **Arrangements** [246]. **Arrays** [484].  
**Arrows** [78]. **Art** [360]. **Articles** [136]. **Articulated** [409, 315]. **Artificial**  
[580, 36, 583, 586, 572, 612, 613, 65, 639, 617, 612, 613]. **Aspects** [481].  
**Aspectual** [88]. **Assessment** [88, 185, 436]. **Assignment** [568]. **Associate**  
[53]. **Association** [364, 163, 486]. **Associative** [54, 581]. **Assumptions**  
[557, 471]. **Asynchronous** [556, 152]. **Atlas** [297, 593]. **Atlas-Based** [297].  
**Atlases** [601]. **Atoms** [1]. **Attachment** [132]. **Attacks** [256]. **Attention**  
[180]. **Attribute** [320, 89]. **Attribute-Based** [320]. **Attributed** [284, 217].  
**Attributes** [452, 448, 451]. **Attribution** [221]. **Auction** [397, 398]. **August**  
[639]. **Australia** [630]. **Austria** [634]. **Authentication** [507]. **Authoring**  
[250]. **Autism** [577]. **Automata** [8, 534, 226, 537, 6, 541, 4, 543, 2, 546].  
**Automated** [192, 474, 598]. **Automatic**  
[594, 225, 517, 488, 144, 410, 185, 604, 596]. **Automatically** [119].  
**Automaton** [535]. **Autonomous** [283]. **AVC** [518]. **AVC/H.264** [518].  
**Aware** [472, 567, 606]. **Awareness** [241]. **Axioms** [202]. **Axis** [510].

**B** [579]. **B-Cell** [579]. **Back** [13, 90, 107, 186, 308, 402, 548, 608].  
**Background** [333]. **Backstage** [242]. **Backward** [513]. **Bag** [174].  
**Bag-of-Key-Poses** [174]. **Bait** [580]. **Ballast** [93]. **Banking** [281]. **Banks**  
[521, 527]. **Barrel** [528]. **Base** [55]. **Based**  
[346, 83, 233, 336, 139, 141, 195, 48, 104, 174, 582, 165, 630, 87, 287, 261, 258,  
490, 265, 297, 292, 540, 590, 111, 203, 517, 143, 394, 256, 255, 303, 565, 521,  
227, 542, 419, 61, 350, 527, 317, 306, 209, 161, 115, 251, 586, 95, 71, 286, 117,  
362, 396, 131, 572, 618, 155, 268, 491, 408, 401, 213, 545, 320, 293, 395, 228,  
147, 398, 369, 573, 113, 576, 355, 358, 607, 103, 163, 598, 499]. **Baseline** [421].  
**Batch** [514]. **Bayesian** [175, 453, 335, 40, 369]. **Beginner** [575]. **Behavior**  
[225, 482, 172, 619]. **Behaviors** [181, 183]. **Behaviour** [359, 184].  
**Benchmark** [441]. **Benchmarking** [104, 354]. **Benefit** [479]. **Bertinoro**  
[635]. **Best** [368]. **Beta** [583]. **Better** [484]. **between** [218, 6, 282, 578]. **Bias**  
[321]. **Bicolour** [392]. **Bifurcating** [55]. **Binary** [41, 326]. **Biometrics** [455].  
**Biosignal** [270]. **Bipartite** [196]. **Birthday** [629]. **Bisections** [34]. **Black**  
[79]. **Blind** [354, 344]. **Blinking** [527]. **BLIP** [569]. **Bloom** [569]. **Bodies**  
[310]. **Body** [179, 455, 178]. **Boltzmann** [68, 46, 72]. **Bookmarking** [151].  
**Bordeaux** [610]. **Borrowed** [217]. **Bottom** [328, 468]. **Bottom-Up**  
[328, 468]. **Boundary** [604]. **Bounded** [26, 563, 544]. **Bounding** [450].  
**Bounds** [539, 30, 34]. **Box** [79]. **Brain** [299, 305, 303, 302, 300]. **Brazil** [614].  
**Brazilian** [614]. **Breed** [322]. **Bremen** [621]. **Bridging** [218]. **Brief**  
[566, 554, 558, 559, 553, 567]. **Browsers** [506]. **browsing** [506]. **Bugs** [79].  
**Bulgaria** [617]. **Burst** [293]. **Business** [139, 485].

**C** [165, 114, 86]. **C-FOAM** [165]. **Calculation** [97]. **Calibration** [524].  
**Cambridge** [620]. **Camera** [368, 175, 460, 354, 524, 435, 350, 313, 454].  
**Canada** [638]. **Canals** [597]. **Cancelling** [312]. **Capability** [148].  
**Capacitated** [98]. **Capacities** [101]. **Capacity** [563]. **Capture** [520].

**Cardiac** [297]. **Cardiomyocyte** [306]. **Cargo** [92]. **CARS** [287]. **Carving** [599]. **Case** [562, 105, 494]. **Cases** [28]. **Cat** [71]. **Categorical** [115]. **Categories** [202, 200, 193, 216]. **Categorization** [582, 352]. **Catering** [106]. **Causal** [67]. **CCA** [359]. **Ceiling** [175]. **Cell** [582, 579, 341, 589, 307]. **Cells** [392, 580]. **Cellular** [501]. **Census** [122]. **Center** [387]. **Centers** [75]. **Centric** [502, 429]. **Century** [238, 231, 622]. **Cerebral** [598]. **Certifiable** [193]. **Certificate** [255]. **Certificate-Based** [255]. **Chain** [341]. **Chaining** [42]. **Chains** [96]. **Chair** [616]. **Challenging** [419]. **Changes** [299, 301, 480, 595]. **Channel** [533]. **Characterization** [306, 420]. **Characterized** [21]. **Characterizing** [298]. **Cheating** [154]. **Checking** [8, 226, 539, 5, 10, 225, 496, 531, 567, 480]. **China** [615]. **Choice** [206]. **Chords** [526]. **Chromatic** [379]. **Circuits** [47]. **CISIM** [623]. **Cities** [254]. **Claims** [471]. **Clarke** [105]. **Classes** [21]. **Classification** [406, 509, 581, 325, 259, 323, 322, 356, 451]. **Classroom** [237, 154]. **Claw** [19]. **Claw-Free** [19]. **CLES** [245]. **Clinical** [596]. **Clips** [350]. **Clique** [19, 20, 23]. **Clocks** [541]. **Clonal** [587, 585]. **Closed** [17, 279]. **Closed-form** [279]. **Closures** [195]. **Cloud** [253, 490, 501, 502, 561, 161, 495, 497, 635, 498, 505, 493, 494]. **Cloud-Based** [161]. **Clouds** [311, 427]. **CloudSim** [502]. **Cloudy** [345]. **Clustering** [287, 75, 565, 277, 115, 286, 117, 576, 134]. **Clustering-Based** [115, 576]. **Co** [316, 506, 284, 398, 289]. **Co-browsing** [506]. **Co-dependent** [398]. **Co-detection** [316]. **Co-evolution** [284]. **Co-regularized** [289]. **Code** [479, 488, 114, 80]. **Coding** [533, 456, 523]. **Cognitive** [142]. **Cohesive** [284]. **Collaborations** [493]. **Collaborative** [406, 152]. **Collaborator** [260]. **Collapsible** [2]. **Color** [346, 514, 430]. **Color-Depth** [430]. **Colored** [382]. **Coloring** [190]. **Combinatorial** [375, 397, 183, 407]. **Combined** [66, 604, 405]. **Combining** [428, 318, 435]. **Common** [579]. **Commonality** [323]. **Communication** [52, 563, 396, 550]. **Communication-Efficient** [550]. **Community** [120, 236, 246]. **Compact** [388, 451, 326]. **Comparability** [123]. **Comparative** [75, 486, 573]. **Comparing** [112]. **Comparison** [297, 63]. **Comparisons** [59]. **Competence** [238]. **Competitive** [16]. **Complementation** [30]. **Complete** [437]. **Completeness** [211, 198, 199]. **Completeness-Driven** [211]. **Complex** [137, 121, 207, 480, 57]. **Complex-Valued** [57]. **Complexity** [30, 544, 302]. **Components** [266, 78, 443]. **Composed** [20]. **Composing** [170]. **Composite** [320]. **Composition** [490, 5, 491, 499]. **Compositionality** [224]. **Compound** [143]. **Comprehension** [479]. **Compressed** [70]. **Compression** [523]. **Computation** [569, 447]. **Computational** [110, 629, 69, 615, 629]. **Computations** [189]. **Compute** [51]. **Computer** [169, 626, 627, 628, 611, 620, 636, 623, 626, 627, 628, 631, 632, 633]. **Computing** [195, 630, 196, 501, 579, 179, 495, 635, 498]. **Concept** [221, 262]. **Concepts** [611, 102, 589, 206]. **Concurrency** [215]. **Concurrent** [228]. **Conditional** [364, 598, 499]. **Conditions** [214]. **Conductance** [48]. **Conductance-Based** [48]. **Conference** [636, 639, 623, 616, 621, 626, 627,

628, 634, 624, 615, 637, 620, 635, 618, 617, 622, 612, 613]. **Confidence** [539, 440, 437, 286]. **Confidence-Based** [286]. **Confidential** [125]. **Confidentialising** [126]. **Configurations** [313]. **Confluence** [220]. **Conformance** [496]. **Conjunction** [625]. **Connecting** [392]. **Consensus** [287]. **Consequences** [190]. **Conservation** [395]. **Considering** [401]. **Consistency** [146, 480]. **Consistent** [111, 300]. **Constant** [83]. **Constrained** [456, 356]. **Constraint** [146]. **Constraints** [532, 348, 438, 486, 271]. **Constructing** [16]. **Construction** [593, 74, 329, 103, 163]. **Constructivism** [157]. **Consumer** [435]. **Container** [95, 93, 100, 94]. **Containers** [97]. **Content** [164]. **Contest** [256]. **Context** [472, 479, 504]. **Context-Aware** [472]. **Contexts** [200, 217]. **Contextual** [181]. **Contingency** [128]. **Continuous** [535, 380, 370, 367]. **Contraction** [365]. **Contracts** [227]. **Control** [183, 95, 71, 544, 262, 257]. **Controlled** [481]. **Controllers** [144]. **Controlling** [261]. **Convex** [390, 379, 380, 327]. **Convexifying** [381]. **ConvNets** [64]. **Coordinated** [400]. **Coping** [471]. **Coq** [194]. **Core** [48, 537]. **Corpus** [162, 131]. **Corpus-Based** [131]. **Correct** [249]. **Correction** [344]. **Correlation** [42]. **Correspondence** [601, 337]. **Correspondences** [436, 414]. **Corresponding** [346]. **Cortical** [603, 298, 300, 596]. **Counter** [6, 4]. **Counterexample** [538]. **Counterexample-Guided** [538]. **Counterpart** [212]. **Counting** [465]. **Coupled** [210]. **Courses** [156]. **Cover** [20]. **Coverage** [227]. **Covering** [484]. **Creating** [159, 441]. **CreaTools** [515]. **Crises** [281]. **Cross** [478]. **Cross-Language** [478]. **Crossing** [391]. **Crossover** [149]. **Crowd** [462]. **CS** [581]. **CSA** [587]. **CSA/IE** [587]. **CSCL** [239]. **CT** [596]. **CTA** [112, 110]. **cubics** [526]. **Cues** [318, 435]. **Cultural** [137]. **Culture** [157]. **Cumulative** [526]. **Curation** [125]. **Current** [238, 218]. **Curves** [418]. **Customer** [134]. **Customisable** [505]. **Cut** [347]. **Cycle** [120, 33, 103]. **Cycle-Based** [103]. **Cylinders** [27].

**D** [426, 411, 348, 310, 295, 303, 522, 264, 426, 311, 454, 307, 427]. **D/** [426]. **Daily** [430]. **Damage** [321]. **Dashboard** [251]. **Data** [299, 43, 430, 145, 516, 616, 121, 564, 625, 433, 259, 590, 440, 324, 520, 303, 176, 115, 589, 126, 274, 545, 276, 320, 283, 573, 113]. **Data-Variable** [545]. **Database** [500, 354, 269]. **Databases** [616, 329, 337, 127]. **Dataset** [321]. **Datasets** [121]. **Day** [345]. **DCA** [582]. **Decentralized** [138]. **Decidability** [220]. **Deciding** [194]. **Decision** [204, 102, 3]. **Declarative** [274]. **Decomposition** [463, 19, 267]. **Deconvolution** [354]. **Decreasing** [389]. **Dedekind** [202]. **Dedicated** [629]. **Defining** [475]. **Definition** [592, 75]. **Deformable** [417, 593, 449, 450, 410]. **Deformation** [599]. **Deformations** [600]. **Deforming** [312]. **Degrading** [558]. **Degree** [30, 31]. **Delay** [38]. **Delays** [534]. **Demand** [401]. **Demons** [298]. **Demonstrated** [183]. **Demonstrations** [631, 632, 633]. **Dendritic** [582, 589]. **Denosing** [346]. **Dense** [307, 337, 436]. **Density** [461]. **Dependent** [53, 398]. **Deployment** [502, 515]. **Depth** [363, 336, 430, 433, 324, 429, 432]. **Depth-Limited** [363].

**Derivational** [131]. **Derivative** [58]. **Descent** [58, 57]. **Description** [143]. **Descriptive** [281]. **Descriptor** [605, 327, 358]. **Descriptors** [428, 296, 326]. **Design** [530, 479, 245, 209, 248, 480]. **Design-Space** [530]. **Designing** [254, 237, 124]. **Destination** [462]. **Detect** [324, 271]. **Detect-Track** [271]. **Detecting** [461]. **Detection** [442, 447, 258, 481, 580, 130, 175, 450, 454, 464, 263, 586, 584, 588, 545, 457, 293, 434, 573, 355, 427, 316]. **Detectors** [465]. **Determination** [313]. **Determining** [29]. **determinism** [197]. **Deterministic** [514]. **Develop** [196, 515]. **Developable** [431]. **Developed** [102]. **Developers** [479]. **Developing** [182, 247]. **Development** [211, 181, 298, 478, 262, 470, 302, 167]. **Developments** [275]. **Device** [507]. **Devices** [506, 240]. **Diagram** [392]. **Diagrams** [204, 40]. **Dictionary** [323]. **Differences** [177]. **Different** [506]. **Differential** [272, 513, 583]. **Differentially** [569, 128]. **Differentially-Private** [569, 128]. **Diffuse** [126]. **Diffusion** [416, 293]. **Digital** [48, 261, 238, 250]. **Digraphs** [553]. **Dimension** [28]. **Dimensional** [511, 587, 517]. **Dioid** [203]. **Directional** [521]. **Discerning** [242]. **Discovering** [448, 131, 164]. **Discovery** [285, 624]. **Discrete** [363, 510, 341]. **Discrimination** [319]. **Discriminative** [422, 452, 335, 326]. **Disjoint** [543]. **Disjointness** [379]. **Disjunction** [554]. **Disks** [378]. **Displacement** [317]. **Disruption** [96]. **Distance** [267, 277, 282]. **Distances** [112]. **Distortion** [528]. **Distributed** [564, 560, 401, 638]. **Distribution** [401, 94]. **Diversities** [419]. **Diversity** [145]. **Divine** [249]. **Do** [479, 231]. **Documentation** [479]. **Does** [231, 443]. **Dog** [322]. **Domain** [85, 205, 200, 166, 470]. **Dominance** [8]. **Dominant** [606]. **Dominate** [109]. **Dotted** [22]. **DPO** [222]. **Drawing** [410]. **Drawings** [391, 26]. **Dream** [178]. **Dreams** [178]. **Driven** [530, 535, 211, 634, 476, 495, 353]. **DS** [624]. **DTW** [268]. **Duals** [27]. **Duplicating** [563]. **Dynamic** [472, 489, 284, 563, 265, 39, 359, 413, 315]. **Dynamically** [535]. **Dynamically-Driven** [535]. **Dynamics** [38, 269].

**E-Collaborative** [152]. **E-Learning** [244, 156]. **Ear** [597]. **Earnings** [123]. **Easy** [28]. **EC** [622]. **EC-TEL** [622]. **ECCV** [626, 627, 628, 631, 632, 633]. **Echo** [453]. **Eclipse** [473]. **Ecological** [588]. **Ecosystems** [492, 210]. **Edge** [559, 377]. **Edges** [219, 385, 377]. **Education** [167]. **Educational** [250, 164]. **Effect** [558]. **Effective** [325, 605]. **Effects** [301, 246]. **efficacy** [239]. **Efficiency** [49]. **Efficient** [363, 226, 174, 10, 422, 285, 550, 326, 315]. **Efficiently** [324]. **Effort** [481]. **EGC** [629]. **EIA** [588]. **Eigen** [57]. **Eigenvalues** [148]. **Elastic** [298]. **Electric** [397, 399]. **Electricity** [61]. **Electrooculography** [527]. **Elements** [415]. **Embedded** [530]. **Embedding** [267]. **Emergence** [137]. **Emerging** [74]. **EMF** [476]. **Emotion** [176]. **Emotional** [136]. **Empirical** [128]. **Employee** [121]. **Employer** [121]. **Employing** [395]. **Emulating** [52]. **eMUSE** [155]. **Enabling** [506]. **Encoder** [518]. **Encryption** [255]. **End** [563]. **End-to-End** [563]. **Energetic** [49]. **Energy** [432, 395, 353]. **Energy-Driven** [353]. **Engineering** [634, 247]. **English** [169, 134]. **Enhanced** [105, 248, 622].

**Enhancements** [502]. **Enhancing** [156, 241]. **Enlargement** [9]. **Ensemble** [417]. **Ensuring** [138]. **Enterprises** [124]. **Entities** [585]. **Envelope** [104]. **Environment** [247, 429]. **Environments** [137, 489, 87, 159, 160]. **Equal** [541]. **Equations** [513]. **Equivalence** [194]. **Equivalent** [200]. **Err** [249]. **Erroneous** [249]. **ESOCC** [635]. **Estimate** [103]. **Estimating** [301, 67]. **Estimation** [461, 520, 525, 526, 527, 311, 439, 405]. **Estimators** [339]. **Euclidean** [267]. **Euler** [512]. **European** [626, 627, 628, 635, 622, 104, 236]. **Evaluating** [562, 237, 481, 179, 471]. **Evaluation** [234, 110, 128, 165, 256, 245, 399, 419, 524, 439]. **Evaluator** [339]. **Even** [33]. **Event** [139, 135]. **Events** [292, 461]. **Evolution** [472, 296, 604, 210, 284]. **Evolutionary** [511, 210, 576]. **Evolutionary-Neural** [511]. **Evolving** [88, 559]. **EWCVT** [348]. **Exact** [173]. **Examples** [249]. **Exceptions** [496]. **Excessive** [122]. **Exchange** [587, 74]. **Exchangers** [583]. **Executable** [560, 197]. **Exhaustive** [363]. **Expansion** [132, 585]. **Experiential** [234]. **Experiment** [481]. **Experiments** [130]. **Explain** [249]. **Exploit** [151]. **Exploiting** [233, 212, 454]. **Exploration** [530, 556, 522, 62]. **Explorative** [516]. **Exploratory** [152]. **Exploring** [340, 276]. **Exponential** [25, 525]. **Expression** [81, 84]. **Expressions** [194]. **Extended** [267, 23, 97]. **Extracted** [353]. **Extraction** [139, 135, 291, 528]. **Extreme** [65]. **Extrinsic** [524]. **Eye** [358].

**Facade** [421]. **FacadeMetamodel** [469]. **Face** [417, 364, 571, 317, 271, 334]. **Facebook** [240]. **Faces** [345, 442, 411]. **Facets** [248]. **Facial** [419, 443, 444, 352, 407]. **Facility** [384, 98]. **FactForge** [145]. **Factorization** [361, 44]. **Fall** [454]. **Falling** [71]. **Farms** [102]. **Fast** [290, 447, 64, 362, 343, 288]. **Fault** [16]. **Fault-Tolerance** [16]. **Faults** [553]. **Feature** [582, 88, 190, 602, 483, 414]. **Feature-Oriented** [190]. **Feature-Preserving** [602]. **Features** [522]. **Federated** [160]. **Feedback** [562, 183]. **Feedforward** [66]. **Femur** [596]. **Ferran** [629]. **Few** [410]. **Field** [39, 317, 598]. **Fields** [364]. **FIFO** [563]. **Fight** [154]. **Files** [119]. **Film** [47]. **Filter** [521, 527]. **Filtered** [130, 55]. **Filtering** [418, 412, 131]. **Filters** [453, 315, 569]. **Finalists** [256]. **Finder** [175]. **Finding** [280, 148]. **Finite** [144]. **Finite-State** [144]. **First** [635]. **Fish** [65]. **Fitting** [419, 432, 365]. **Flattening** [380]. **Fleet** [92]. **Flexible** [111]. **Flight** [106]. **Flippable** [385]. **Flipper** [363]. **Flips** [375]. **Florence** [626, 627, 628, 631, 632, 633]. **Flow** [465, 437, 439, 462, 138, 441]. **Flows** [92]. **FOAM** [165]. **Focus** [219, 180]. **Folksonomies** [141]. **Forbidden** [21]. **Forecast** [516]. **Forecasting** [278, 61]. **Forgetful** [546]. **Forgetting** [558]. **form** [279]. **Formal** [151, 218, 561, 494, 637]. **Formalising** [253]. **Formalism** [261]. **Formally** [475]. **FORMATS** [637]. **Formulas** [279]. **Formulations** [346]. **Forward** [158]. **Foundations** [218, 190]. **Four** [517]. **Four-Dimensional** [517]. **FPGA** [48, 50]. **Fractals** [517]. **Fracture** [594]. **Fraenkel** [1]. **Fragment** [287]. **Fragment-Based** [287]. **Fragmentation** [474]. **Frame** [368, 318]. **Frame-Rate** [368]. **Frames** [458, 364]. **Framework**

[299, 492, 297, 292, 473, 426, 209, 437, 95, 432, 371, 228, 515, 170].  
**Frameworks** [238]. **France** [625, 610, 624, 640]. **Free** [19, 71]. **Free-Falling** [71]. **Freeform** [592]. **Frequencies** [546]. **Frequency** [99, 49]. **Frequent** [325]. **Frog** [264, 181]. **Front** [14, 35, 487, 508, 529, 549, 570, 591, 609, 56, 77, 91, 108, 129, 150, 171, 187, 208, 229, 230, 232, 252, 273, 294, 309, 330, 351, 372, 393, 403, 424, 445, 466].  
**Full** [455, 100]. **Full-Body** [455]. **Fun** [181]. **Function** [58]. **Functional** [195, 143]. **Funds** [74]. **Fusion** [564, 175, 425]. **Fuzzy** [45].

**Gait** [176]. **Game** [248, 167]. **Games** [169, 4, 168, 250]. **Gap** [218]. **Gas** [514]. **Gated** [72]. **Gates** [47]. **Gaussian** [332]. **GDP** [278]. **GEMBus** [490]. **Gender** [177]. **General** [540, 221, 255, 366]. **Generalised** [224]. **Generalization** [390]. **Generating** [121, 484]. **Generation** [39, 517, 488, 602, 144]. **Generations** [401]. **Generative** [43]. **Generator** [245]. **Genes** [143]. **Genomic** [590]. **Gentle** [598]. **Geo** [421]. **Geo-localization** [421]. **Geodesic** [333]. **Geometric** [510, 435, 314, 365]. **Geometrical** [428]. **Geometry** [235, 629, 69]. **Geomodeling** [85]. **Germany** [621, 622]. **Get** [153]. **Getting** [182]. **GHNNs** [38]. **Glioma** [304]. **Global** [146, 587, 296, 557]. **Globally** [307]. **Globally-Optimal** [307]. **GM** [259]. **GM-SOM** [259]. **Goes** [122]. **Gons** [373]. **GPU** [73]. **Gradient** [58, 521]. **Grain** [348]. **Grammar** [89]. **Grammars** [218, 81, 84]. **Graph** [233, 226, 173, 261, 219, 379, 224, 218, 215, 193, 522, 341, 329, 214, 21, 209, 216, 552, 383, 605, 213, 228, 621, 611]. **Graph-Based** [233, 261, 209]. **Graph-Theoretic** [611]. **Graphical** [363]. **Graphics** [636]. **Graphs** [391, 27, 19, 20, 388, 284, 26, 28, 23, 22, 32, 140, 31, 217, 16]. **Gray** [521]. **Grid** [388, 556]. **Ground** [438]. **Group** [340, 409]. **Group-Valued** [409]. **Groups** [67]. **Guarantee** [565]. **Guard** [9, 377]. **Guards** [377]. **Guide** [575, 181]. **Guided** [538]. **Guidelines** [486].

**Hallucination** [369]. **Handed** [198]. **Hanoi** [25]. **Hard** [28]. **Hardware** [48]. **Hardware-Core** [48]. **Harmful** [122]. **Harnessing** [68]. **Haskell** [196]. **HBU** [619]. **HCAC** [286]. **Healing** [574]. **Heat** [406, 583]. **Heaviest** [389]. **Heavy** [500]. **Hebbian** [73, 47]. **Held** [625]. **Henares** [629]. **Heuristic** [98, 106]. **Heuristics** [545, 547]. **HEVC** [523]. **Hierarchical** [137, 602, 286, 164]. **Hierarchically** [39]. **High** [587, 592, 590, 368, 341, 560, 425]. **High-Level** [560]. **Higher** [192, 267, 352]. **Higher-Order** [192, 267, 352]. **Highly** [140]. **Highway** [387]. **Hippocampus** [296]. **History** [375]. **HMM** [292]. **hoc** [258]. **Holes** [373]. **homogeneous** [1]. **Hop** [565]. **Hopfield** [37]. **Hough** [349]. **Households** [395]. **HSV** [283]. **Human** [442, 348, 173, 174, 430, 310, 339, 181, 176, 429, 249, 172, 180, 619]. **Human-Centric** [429]. **humanoid** [520]. **Hurtado** [629]. **Hybrid** [8, 539, 540, 520, 531, 117, 45]. **Hydrocephalus** [604]. **Hypervolume** [572]. **Hypotheses** [328].



**ICANN** [612, 613]. **ICARIS** [639]. **ICCL** [615]. **ICCVG** [636]. **ICGT** [621]. **ICWL** [618]. **Idempotent** [200]. **Identification** [99, 260, 143, 455]. **IFIP** [623]. **IFS** [511]. **IHSN** [114]. **II** [632, 11, 613]. **III** [627, 633]. **Image** [346, 336, 512, 305, 297, 625, 325, 519, 360, 329, 640, 317, 319, 495, 362, 337, 370, 436, 515, 451, 369]. **Images** [511, 513, 348, 592, 521, 419, 528, 410, 328, 343, 355, 300, 596]. **Imitation** [185]. **Immune** [639, 581, 580, 577, 571, 574, 583, 586, 572, 576, 578]. **Immune-Inspired** [581, 574]. **Immunology** [575]. **Impact** [481, 96, 269, 49]. **Imperfect** [433]. **Implementation** [226, 193, 578]. **Implicit** [298]. **Important** [449]. **Improve** [151, 502]. **Improved** [312, 438, 523]. **Improvements** [499]. **Improving** [141]. **In-** [194]. **In-Flight** [106]. **Incentive** [399]. **Incident** [219]. **Including** [291]. **Inclusion** [114]. **Inconsistency** [481]. **Increasing** [389]. **Incremental** [205, 480]. **Independent** [32]. **Index** [179]. **Individual** [295, 246]. **Indoor** [429, 427]. **Induced** [21, 136]. **Induction** [542, 147]. **Industrial** [623, 494]. **Inference** [128, 119]. **Inferred** [145]. **Infinite** [475, 212]. **Infinite-State** [212]. **Influence** [239, 75, 40]. **Inform** [181]. **Information** [562, 233, 139, 135, 587, 623, 205, 293, 138]. **Infrastructure** [52, 394, 247]. **Initial** [234]. **Initialization** [514]. **Innsbruck** [634]. **Input** [12]. **Inputs** [125]. **Insertion** [106]. **Insights** [441]. **Inspired** [581, 574]. **Instance** [349]. **Instead** [122]. **Integer** [17]. **Integrating** [482]. **Intelligence** [139, 617]. **Intelligent** [522]. **Intensive** [530]. **Inter** [486]. **Inter-association** [486]. **Interaction** [185, 94, 180, 578]. **Interactions** [457]. **Interactive** [592, 249, 425, 468, 569]. **Interconnection** [476]. **Interest** [324]. **Interesting** [461]. **Interestingness** [143]. **Interface** [491]. **Interface-Based** [491]. **Interfaces** [235]. **Interior** [44]. **Interior-Point** [44]. **Intermodal** [95]. **Internal** [381, 184]. **International** [636, 122, 639, 623, 630, 616, 625, 621, 610, 634, 624, 611, 615, 637, 620, 640, 618, 617, 638, 619, 612, 613]. **Internet** [398]. **Interpretability** [279]. **Interval** [23, 22]. **Intervals** [15]. **Intracardial** [270]. **Intracranial** [515]. **Introducing** [580]. **Introspection** [86]. **Intruder** [259]. **Intrusion** [258, 584]. **Invariant** [406, 78, 463, 226, 225, 431]. **Invariant-Typed** [78]. **Invariants** [12, 197]. **Inverse** [345, 511, 183]. **Investigation** [113]. **IPUMS** [122]. **IPUMS-International** [122]. **Iris** [263]. **Isometric** [414]. **Isomorphism** [21]. **Israel** [611]. **Issues** [254, 161]. **Italy** [639, 623, 616, 626, 627, 628, 631, 632, 633, 635]. **item** [101]. **Itemset** [325]. **Iterating** [475].

**Java** [166]. **Jerusalem** [611]. **Joining** [349]. **Joint** [305, 426, 319, 334]. **June** [611, 629].

**Kernel** [43, 32, 59]. **Kernelized** [347]. **Kernels** [406]. **Key** [174]. **Keystroke** [269]. **Killer** [580]. **Killing** [79]. **Kinect** [455]. **Kinects** [434]. **KITTI** [440]. **Knot** [11]. **Know** [243]. **Knowledge** [145, 166, 557]. **Known** [600]. **Krivine** [2].

**L** [112]. **Lab** [241]. **Label** [60]. **Labeling** [305]. **Lagrangian** [98]. **Lamellar** [521]. **Landmark** [407]. **Lanes** [399]. **Language** [169, 151, 85, 133, 166, 478, 470, 257]. **Languages** [634, 614]. **Lapse** [307]. **Large** [391, 332, 52, 50, 240, 277, 329, 247, 313, 528, 337, 474, 451, 607, 420, 134]. **Large-Scale** [52, 50, 247, 451, 420]. **Larger** [480]. **Laser** [175]. **Latent** [136, 356]. **Laughter** [179]. **Lausanne** [612, 613]. **Layered** [207]. **Lazy** [363, 189]. **Leap** [264]. **Learn** [464]. **Learning** [278, 233, 235, 169, 165, 151, 239, 571, 58, 423, 243, 152, 324, 244, 245, 246, 70, 419, 323, 350, 73, 168, 247, 144, 161, 452, 279, 454, 64, 183, 40, 251, 71, 286, 231, 156, 159, 618, 155, 274, 622, 302, 327, 170, 451, 355, 612, 613, 47, 163, 342, 53, 160, 65]. **Learning-Based** [355]. **Least** [371]. **Lectures** [240]. **Left** [198, 81]. **Left-Handed** [198]. **Length** [525, 11]. **Lessons** [441]. **Level** [521, 560, 604, 408, 459]. **Level-Set** [408]. **Lexical** [132]. **Lexicon** [448]. **LF** [287]. **LF-CARS** [287]. **LHS** [352]. **Library** [261, 248]. **Lie** [310]. **Likelihood** [73, 366]. **Limitations** [99]. **Limited** [363]. **Line** [384, 58]. **Linear** [536, 26, 67, 456, 70, 3, 371]. **Linear-Time** [536]. **Liner** [92]. **Lines** [88, 484, 485]. **Linguistic** [477]. **Link** [163]. **Linked** [121, 504]. **Linking** [140]. **Lip** [268]. **Literature** [94]. **Live** [307]. **Liveness** [535]. **LMS** [158]. **Load** [61, 100]. **Local** [296, 30, 551, 352]. **Localisation** [460, 497]. **Locality** [456]. **Locality-Constrained** [456]. **Localization** [175, 322, 349, 407, 421]. **Locating** [384]. **Location** [422, 98, 304]. **LOD** [145]. **Logic** [188]. **Logistic** [118]. **Logistics** [99, 615, 102, 103]. **London** [637]. **Long** [63, 162]. **Long-Term** [63]. **Longest** [579]. **Longitudinal** [299, 305, 301, 625, 296, 295, 300]. **Loose** [287]. **Loss** [360, 103]. **Loss-Specific** [360]. **Lot** [101]. **Lower** [34]. **LTI** [12]. **LTL** [5]. **LTL-Model-Checking** [5]. **Lyon** [624].

**m** [568]. **Machine** [72, 495, 274, 356, 612, 613]. **Machines** [68, 46, 76, 561, 2, 80, 65]. **Macros** [89]. **Magnitude** [113]. **Maintaining** [381]. **Make** [152]. **Malaria** [578]. **Manage** [210]. **Management** [623, 161, 401, 494]. **Manifold** [310]. **Manifolds** [331]. **Manpower** [106]. **Mapping** [57]. **Maps** [222, 142, 126]. **Margin** [256]. **Maritime** [102]. **Marked** [442]. **Markets** [74]. **marshalling** [97]. **Mashup** [159]. **Masking** [469, 113]. **Match** [329]. **Matched** [119]. **Matching** [266, 421, 173, 438, 601, 317, 404, 413, 431, 420]. **Matchings** [196, 389]. **material** [602]. **Math** [249]. **Mathematical** [578]. **Matrices** [204, 545]. **Matrix** [42, 41, 343, 361, 44]. **Matrix-Valued** [343]. **MATSim** [400]. **Matter** [13, 90, 107, 186, 308, 402, 548, 608, 14, 35, 487, 508, 529, 549, 570, 591, 609, 56, 77, 91, 108, 129, 150, 171, 187, 208, 229, 230, 232, 252, 273, 294, 309, 330, 351, 372, 393, 403, 424, 445, 466]. **Maximal** [552]. **Maximum** [196, 23, 73, 366]. **Mcta** [547]. **Mean** [231]. **Means** [241]. **Measure** [143, 147]. **Measure-Based** [147]. **Measurement** [300]. **Measures** [440, 394, 454]. **Mechanical** [266]. **Mechanism** [398]. **Mechanisms**

[478, 241]. **Medial** [510]. **Median** [288]. **Mediation** [504]. **Medical** [592, 640, 515]. **Medium** [124]. **Meet** [473]. **Meeting** [629]. **Memory** [54, 42, 422]. **Mesh** [593, 602, 599, 412, 604, 640]. **Meshes** [607]. **Meshing** [606, 596]. **MeshMed** [640]. **Message** [567]. **Message-Passing** [567]. **Meta** [468]. **Meta-Modelling** [468]. **Metacognitive** [234]. **Metaheuristics** [133]. **Metamodeling** [210]. **Metastatic** [305]. **Method** [260, 521, 41, 524, 453, 603, 604, 118]. **Methodology** [165, 248, 617]. **Methods** [122, 116, 620, 542, 114, 362]. **Metric** [418, 28]. **MICCAI** [625, 640]. **Microdata** [122, 116, 117, 113]. **Microenvironments** [307]. **Microtomography** [521]. **Mid** [459]. **Mid-level** [459]. **Middle** [249]. **Migrating** [561]. **Minimal** [76, 551, 338, 557]. **Minimally** [122]. **Minimization** [432, 366]. **Minimum** [20, 30]. **Mining** [275, 325, 274]. **Mis** [97]. **Mis-overlay** [97]. **Misdetection** [341]. **Mix** [41]. **Mix-Matrix** [41]. **Mixed** [301, 126]. **Mixed-Effects** [301]. **Mixture** [290]. **Mixtures** [332]. **Mobile** [501, 240, 175, 559, 555, 283]. **modal** [426]. **Model** [290, 530, 411, 87, 449, 539, 5, 10, 590, 225, 203, 520, 303, 37, 341, 227, 419, 133, 531, 567, 495, 117, 93, 396, 588, 480, 432, 293, 474, 113, 257, 365, 634]. **Model-Based** [87, 227, 117, 113]. **Model-Driven** [530, 495]. **Modeling** [442, 510, 500, 592, 477, 281, 577, 482, 72, 484, 637, 166, 429, 486, 274, 47, 494]. **Modelling** [492, 473, 140, 468]. **MODELS** [634, 290, 472, 363, 52, 475, 593, 301, 67, 473, 212, 221, 601, 476, 467, 360, 70, 450, 335, 464, 474, 483, 334]. **Moderates** [239]. **Modified** [265, 65]. **Modular** [426]. **Modulated** [53]. **Modules** [88]. **Molecules** [140]. **Monitoring** [505]. **Monocular** [435, 454]. **Monotone** [381]. **Moodle** [158]. **Morphable** [317]. **Morphing** [408]. **Morphometry** [595]. **Most** [571]. **Mostowski** [1]. **Motion** [463, 297, 520, 350, 306, 464, 455, 409, 405]. **Motion-Based** [306]. **Motivational** [244]. **Mounted** [175]. **Move** [464]. **Movements** [177, 358]. **Moves** [11, 365]. **Movies** [307]. **MP** [567]. **MP-State** [567]. **MPEG** [518]. **MPEG-4** [518]. **MR** [300]. **MRI** [299]. **Much** [493]. **Multi** [465, 204, 25, 68, 174, 430, 630, 537, 397, 394, 101, 602, 318, 426, 404, 271, 307, 572, 483, 576, 505]. **Multi-agent** [630]. **Multi-Agent-Based** [394]. **Multi-constraints** [271]. **Multi-core** [537]. **Multi-item** [101]. **Multi-material** [602]. **Multi-modal** [426]. **Multi-Objective** [572, 576]. **Multi-part** [404]. **Multi-peg** [25]. **Multi-person** [318]. **Multi-perspectives** [483]. **Multi-photon** [307]. **Multi-round** [397]. **Multi-sized** [465]. **Multi-tempering** [68]. **Multi-temporal** [307]. **Multi-tenant** [505]. **Multi-unit** [397]. **Multi-valued** [204]. **Multi-view** [174, 430]. **Multichannel** [348]. **Multidimensional** [516]. **Multifeature** [444]. **Multifocal** [528]. **Multilabel** [367]. **Multilayer** [60, 57]. **Multiobjective** [74]. **Multiple** [418, 340, 124, 23, 460, 589, 434]. **Multiset** [43]. **Mutual** [340]. **My** [339].

**Natal** [614]. **Natural** [580, 133, 355]. **Near** [414]. **Near-Isometric** [414]. **Negative** [214, 584, 573]. **Neonates** [298]. **Nested** [76, 366]. **Net** [96]. **Nets**

[9, 532, 540, 577]. **Network** [48, 50, 554, 236, 583, 40, 401, 138, 163]. **Networks** [54, 137, 146, 52, 258, 563, 260, 501, 36, 541, 460, 453, 59, 574, 313, 66, 545, 94, 63, 550, 69, 612, 613, 45]. **Neural** [52, 511, 514, 50, 73, 66, 63, 69, 612, 613, 45, 47]. **Neuronal** [54, 48]. **Neurons** [54, 51, 55, 62, 45]. **Newly** [102]. **News** [136]. **Newton** [66]. **Nice** [625, 640]. **Nitride** [47]. **Noise** [111]. **Non** [415, 569, 266, 1, 360, 520, 460, 181, 197, 371, 370, 436, 334, 563]. **Non-dense** [436]. **Non-determinism** [197]. **non-FIFO** [563]. **Non-homogeneous** [1]. **Non-interactive** [569]. **Non-overlapping** [460]. **Non-Parametric** [360, 334]. **Non-Rigid** [415, 266, 371, 370]. **Non-verbal** [181]. **Nonlinear** [8]. **Nonmetric** [367]. **Nonnegative** [44]. **Nonseparating** [32]. **Norms** [395]. **Notebook** [240]. **Notes** [383]. **Novel** [587, 95]. **November** [630]. **Nucleotide** [282]. **Number** [382, 379, 134]. **Numerically** [338].

**Object** [406, 316, 418, 340, 433, 423, 328, 434]. **Objective** [572, 576]. **Objects** [410, 446]. **Oblivious** [568, 556, 555]. **Observability** [544]. **Observation** [538]. **Observations** [203]. **Obstacle** [427]. **Occasion** [629]. **Occlusion** [312]. **OCL** [482]. **October** [625, 626, 627, 628, 634, 631, 632, 633, 624, 640, 638, 619]. **Offshore** [102]. **Omega** [199]. **Omega-Regular** [199]. **Omitting** [563]. **On-Line** [58]. **One** [540]. **One-Shot** [540]. **Online** [347, 152, 453, 66, 138, 342, 160, 289]. **Online-Teaching** [152]. **Online/Batch** [66]. **Only** [410]. **Ontologies** [140]. **Ontology** [139, 261, 166]. **Ontology-Based** [139]. **Open** [503, 222, 162, 377]. **OpenSocial** [158]. **Operations** [95]. **Operator** [583, 149]. **Opportunities** [99]. **Optical** [437, 344, 441]. **Optimal** [556, 313, 307, 69]. **Optimally** [534]. **Optimisation** [74, 327]. **Optimization** [587, 110, 76, 22, 41, 338, 531, 583, 367, 576, 65]. **Optimized** [518, 45]. **Optimizing** [85, 95]. **Option** [502]. **Oracles** [602]. **Orchestration** [237, 488, 241]. **Order** [192, 267, 67, 352]. **Orderings** [382]. **Organization** [205, 328]. **Organizational** [246]. **Organized** [39]. **Organs** [510]. **Oriented** [503, 190, 635]. **Oscillations** [38]. **Other** [122]. **Our** [248]. **Outdoor** [181]. **Outlier** [264]. **Output** [127]. **Over-** [212]. **overlapping** [460]. **overlay** [97]. **Overview** [99]. **Oxide** [47].

**PaaS** [490, 503]. **PaaSOSA** [503]. **Pair** [53]. **Pair-Associate** [53]. **Palermo** [616]. **Paper** [235]. **Papers** [130, 630, 611, 629]. **Paradigm** [590]. **Parallelism** [215]. **Parallelization** [68]. **Parallelohedra** [374]. **Parameter** [83, 70, 362]. **Parameterization** [525]. **Parameterized** [33]. **Parameters** [70, 133]. **Parametric** [360, 149, 334]. **Pareto** [69]. **Pareto-Optimal** [69]. **Parsing** [81, 84]. **Part** [626, 627, 628, 631, 632, 633, 450, 322, 328, 612, 613, 404]. **Partial** [601, 484, 544]. **Partiality** [197]. **Particle** [74, 607]. **Particle-Based** [607]. **Particularity** [323]. **Partition** [603]. **Partitioning** [552]. **Parts** [449, 448]. **Passing** [567]. **Patch** [336, 601]. **Path** [146, 163]. **Path-Consistency** [146].

**Paths** [389]. **Patient** [135]. **Pattern** [275, 267, 291, 479, 248, 263, 213]. **Pattern-Based** [213]. **Patterns** [284, 36, 37]. **Payments** [24]. **PCA** [73]. **PDE** [362]. **PDE-Based** [362]. **PDEs** [346]. **Pedestrian** [447]. **peg** [25]. **Pelvic** [510]. [426]. **Batch** [66]. **H.264** [518]. **IE** [587]. **People** [175]. **Per-frame** [318]. **Per-track** [318]. **Perceived** [152]. **Perception** [177]. **Perceptron** [60, 57]. **Perceptual** [328]. **Perfect** [20]. **Performance** [500, 524]. **Permutation** [389]. **Persistent** [507, 414]. **Persisting** [474]. **Person** [455, 318]. **Personal** [247, 159]. **Personalised** [170]. **Personalized** [244]. **Personalizing** [141]. **Persons** [260]. **Perspective** [536, 236]. **perspectives** [483]. **Perturbation** [122, 419, 127]. **PET** [303]. **Petri** [9, 532, 540, 577, 96]. **Pharmacokinetic** [303]. **photon** [307]. **Pieces** [404]. **Piecewise** [526]. **Piecewise-quadratics** [526]. **Piles** [7]. **Pipeline** [515]. **Pipelined** [501]. **Pixels** [446]. **Placement** [551, 80]. **Planar** [391, 27, 26, 382, 386, 32]. **Plane** [438, 427]. **Planning** [102, 93]. **Plasticity** [53]. **Platform** [490]. **Playback** [354]. **Playing** [534, 4]. **PLE** [158]. **Point** [442, 99, 382, 202, 386, 311, 126, 389, 427, 44]. **Points** [324, 414]. **Poland** [636]. **Policies** [399]. **Policy** [394, 279, 71, 257, 505]. **Policy-Based** [71]. **Polygon** [607]. **Polygonization** [386]. **Polygons** [381, 377]. **Polyhedra** [390, 380]. **Polynomial** [331, 29, 338, 45]. **Population** [296, 557, 408]. **Port** [96]. **Ports** [94]. **Portugal** [619]. **Pose** [339, 317, 311]. **Poses** [174]. **Positions** [282]. **Post** [111, 118]. **Post-tabular** [111]. **Poster** [18]. **Potentials** [49]. **Power** [397, 401]. **Powerset** [201]. **Practical** [562, 269]. **Practice** [218]. **Pre** [97]. **Pre-marshalling** [97]. **Precision** [82]. **Predicates** [538]. **Predicting** [292, 304]. **Prediction** [278, 418]. **Predictive** [95]. **Preferences** [207]. **Presence** [553]. **Preservation** [225, 561]. **Preserved** [593]. **Preserving** [602]. **Pressure** [272]. **PRIMA** [630]. **Print** [268]. **Priors** [367, 333]. **Privacy** [122, 616, 616]. **Private** [569, 128]. **Probabilistic** [539, 10, 586, 359, 361]. **Probabilities** [10]. **Problem** [511, 387, 23, 41, 98, 288, 92, 24]. **Problems** [25, 587, 105, 610, 6, 22, 338, 3]. **Proceedings** [626, 627, 628, 631, 632, 633, 612, 613, 636, 639, 623, 616, 625, 621, 610, 634, 624, 615, 614, 637, 620, 640, 635, 618, 617, 622, 638, 619]. **Processes** [442, 453]. **Processing** [133, 640, 362, 270, 515]. **Product** [88, 485, 484]. **Production** [101, 162]. **Productivity** [103]. **Products** [477]. **Professional** [479]. **Profitability** [104]. **Program** [196]. **Programming** [87, 190, 166, 285, 413, 315, 614]. **Programs** [562, 195, 566, 191]. **Progressive** [290]. **Project** [245, 251, 155]. **Project-Based** [251, 155]. **Projections** [326]. **Projects** [236]. **Promoting** [399]. **Propagation** [562, 83, 337]. **Properties** [562, 37]. **Proposed** [125]. **Protect** [122]. **Protection** [115]. **Protocol** [496, 507]. **Protocols** [557]. **Prototype** [267, 519]. **Provider** [493]. **Proving** [535]. **Provisioning** [495]. **PSD** [616]. **Pseudo** [205]. **Publications** [94]. **Pushdown** [2]. **Putting** [404].

**Quad** [606]. **Quadratic** [517, 41, 285]. **quadratics** [526]. **Qualitative** [146]. **Quality** [593, 269, 498, 436, 147]. **Quantaes** [201]. **Quantiles** [278].

**Quantitative** [88, 467]. **Quantization** [514]. **Quasi** [26, 541, 66]. **Quasi-Equal** [541]. **Quasi-Newton** [66]. **Query** [476]. **Query-Driven** [476].

**Radial** [382, 59]. **Radio** [99]. **RAMiCS** [620]. **Ramp** [292]. **Random** [534, 364, 127, 598]. **Randomization** [118]. **Range** [82, 175]. **Ranged** [10]. **Ranking** [60]. **Rapid** [384, 450, 470]. **Rate** [368]. **Rates** [425]. **Ratio** [461]. **Rational** [220]. **Ray** [521]. **RBFNN** [75]. **RC** [582]. **RC-DCA** [582]. **Reachability** [8, 17, 537, 6, 610]. **Reaction** [36]. **Reactive** [489, 467]. **Real** [415, 48, 173, 191, 368, 419, 354, 586, 457, 607, 427]. **Real-Time** [415, 48, 173, 191, 368, 607, 427]. **Real-World** [419, 354]. **Realboosted** [465]. **Realistic** [600]. **Reasoning** [192]. **Recognition** [428, 173, 174, 267, 357, 265, 433, 571, 347, 422, 318, 317, 263, 268, 320, 184, 358]. **Recognize** [176]. **Recognizing** [180]. **Recommendations** [233, 486]. **Recommender** [159, 160]. **Reconstruction** [415, 312, 513, 512, 315, 405]. **Recording** [354]. **Records** [135]. **Recovery** [597]. **Rectangle** [195]. **Rectangle-Based** [195]. **Rectangular** [205]. **Recurrence** [3, 304]. **Recursion** [81]. **Recursive** [2]. **Red** [392]. **Redescriptions** [280]. **Reduced** [285]. **Reducibility** [57]. **Reducing** [541]. **Reduction** [594]. **Redundancy** [285]. **Reeb** [605]. **Refined** [216]. **Refinement** [203, 531]. **Reflexive** [195]. **Reflexive-Transitive** [195]. **Region** [540]. **Region-Based** [540]. **Regions** [349]. **Registration** [305, 295, 303, 298, 371]. **Regression** [331, 370, 147, 407, 118]. **Regular** [192, 199, 194]. **Regularization** [46, 295, 343, 409]. **Regularized** [404, 289]. **Regulate** [251]. **Reidemeister** [11]. **Reinforcement** [279, 71]. **Related** [595]. **Relation** [204, 193]. **Relational** [280, 201, 206, 620]. **Relations** [196, 340, 291, 197, 131]. **Relationship** [6]. **Relationships** [164]. **Relative** [205, 460, 452]. **Relaxing** [471]. **Release** [113]. **Releases** [124]. **Relevant** [138]. **Relies** [122]. **Removal** [599, 264]. **Rendering** [345, 420]. **Rendezvous** [559]. **Reo** [488]. **Reorientation** [297]. **Repeatable** [324]. **Replicas** [551]. **replicating** [585]. **Replication** [479]. **Repositioning** [92]. **Representation** [388, 310, 456, 201, 459, 607]. **Request** [499]. **Requirements** [473, 247]. **Resection** [304]. **Resilient** [16]. **Resistance** [277]. **Resolution** [336, 411, 426]. **Resource** [162, 498, 494]. **Resources** [233]. **Restoration** [360]. **Restricted** [68, 46]. **Retail** [99]. **Rethinking** [589]. **Retries** [499]. **Retrieval** [266, 319]. **Reuse** [162]. **Reveal** [243]. **Revenue** [499]. **Reversibility** [374]. **Reviews** [134]. **Revised** [630, 611, 629]. **Revisited** [220]. **Revisiting** [536]. **Rewriting** [220, 216]. **Riemannian** [331]. **Rigid** [415, 266, 16, 371, 370]. **Rings** [559, 555]. **Risks** [493]. **Robot** [182, 175, 180, 283]. **Robotic** [181]. **Robotics** [172]. **Robots** [556, 555]. **Robust** [287, 592, 433, 601, 66, 361, 342]. **Robustness** [9, 532, 341]. **Role** [262]. **Romania** [618]. **Roommates** [24]. **Rotating** [378]. **Rotation** [463, 263]. **Rough** [582]. **round** [397]. **Rounding** [111]. **Routing** [105, 100, 400]. **RP** [610]. **Rule** [42, 143, 147]. **Rule-Based** [143]. **Rules**

[480, 147]. **Run** [471]. **Runs** [545]. **Runtime** [472, 473, 499, 86].

**Saarbrücken** [622]. **Safety** [638]. **Saliency** [358, 333]. **Sample** [571]. **Sampling** [122, 353, 358]. **Sand** [7]. **SAT** [256]. **SAT-Based** [256]. **SBLP** [614]. **Scaffolding** [234]. **Scalable** [592]. **Scale** [406, 332, 52, 50, 423, 277, 247, 313, 314, 451, 420]. **Scales** [291]. **Scans** [305]. **Scenarios** [253, 245]. **Scene** [428, 350, 439]. **Scenes** [427]. **Scheduling** [106]. **Scheme** [255]. **Schemes** [2]. **School** [249]. **Schrödinger** [416]. **Science** [79, 624, 611, 620]. **Scientific** [125]. **Scientometric** [94]. **Scores** [450]. **Script** [320]. **sdMicro** [114]. **Search** [363, 141, 279, 407, 57, 547]. **Searching** [571]. **Seaworthy** [93]. **Second** [625]. **Security** [253, 254, 492, 256, 561, 161, 638, 493, 127]. **SEEDS** [353]. **Segment** [379, 521, 350]. **Segmentation** [348, 347, 426, 306, 307, 349, 427, 300, 598]. **Segmentations** [423]. **Selcted** [611]. **Selected** [630, 629]. **Selection** [290, 489, 587, 582, 590, 584, 184, 573, 69]. **Self** [554, 563, 564, 239, 565, 551, 574, 553, 552, 555, 550, 585]. **Self-** [565]. **Self-efficacy** [239]. **Self-replicating** [585]. **Self-stabilization** [555, 550]. **Self-stabilizing** [554, 563, 564, 565, 551, 553, 552]. **Semantic** [233, 136, 131]. **Semantics** [458, 228]. **Semi** [454, 286]. **Semi-supervised** [454, 286]. **Semiconductor** [47]. **Semirings** [200]. **Sense** [319]. **Sensitivity** [362]. **Sensor** [272, 574, 425]. **Separating** [323]. **Separation** [188]. **Separator** [19]. **September** [636, 623, 616, 621, 610, 634, 615, 614, 637, 620, 635, 618, 617, 622, 612, 613]. **Sequence** [293, 573]. **Sequences** [297, 39, 282, 3, 459]. **Sequential** [291, 76, 276]. **Serendipitous** [138]. **Series** [625]. **Serious** [248]. **Serpentine** [386]. **Server** [500]. **Service** [489, 506, 145, 384, 503, 565, 497, 491, 106, 504, 499, 635]. **Service-Oriented** [635]. **Services** [492, 490, 496, 488, 209]. **Session** [18]. **Sessions** [241]. **Set** [582, 386, 32, 604, 408]. **Sets** [1, 382, 389, 147]. **SHA** [256]. **SHA-3** [256]. **Shake** [354]. **Shanghai** [615]. **Shape** [266, 593, 301, 296, 310, 517, 601, 416, 404, 335, 605, 408, 371, 302, 334, 407, 595]. **Shared** [507]. **Sharpness** [526]. **Shipping** [92]. **Shot** [540]. **Should** [109]. **Signal** [582, 44]. **Signals** [463, 55, 527, 178]. **Signature** [265]. **Significantly** [478]. **Silent** [554]. **Silicon** [51, 47]. **SIMD** [80]. **Similar** [571, 130]. **Similarity** [569, 287, 356]. **Simple** [195, 279, 377]. **Simplified** [605]. **Simplifying** [64]. **Simulate** [515]. **Simulation** [562, 630, 575, 394, 599, 462, 395, 103, 400]. **Simulations** [48, 184]. **Simulator** [502]. **Simulators** [234]. **Simultaneous** [101]. **Simultaneously** [385]. **Sinaia** [618]. **Single** [336, 540, 371]. **Singular** [267]. **Sites** [103]. **Six** [248]. **sized** [465]. **Sizing** [101]. **Skeleton** [520]. **Sketch** [410]. **Skills** [231, 622]. **Skull** [601]. **Skyline** [420]. **Slicepedia** [162]. **Slots** [568]. **Small** [124]. **Smart** [254, 630]. **Smooth** [7]. **Smoothness** [438]. **SMT** [566, 542]. **SMT-Based** [542]. **Sobolev** [418]. **Sobolev-Type** [418]. **Social** [137, 236, 151, 244, 157, 168, 247, 457, 395, 206, 138]. **Society** [630]. **Soft**

[476, 599]. **Software** [78, 530, 477, 88, 567, 478, 515]. **Software-Intensive** [530]. **Solution** [125]. **Solutions** [24]. **Solvers** [110, 566, 277, 338]. **Solving** [511, 105, 98, 100]. **SOM** [259]. **Some** [59, 557]. **Source** [390, 479]. **Space** [530, 511, 458, 29, 70, 279, 358]. **Space-Time** [458]. **Space-Variant** [358]. **Spain** [629]. **Span** [29, 216]. **Span-Categories** [216]. **Spanish** [629]. **Sparking** [246]. **Spatial** [291, 303, 126]. **Spatial-temporal** [303]. **Spatio** [456, 295, 444, 625]. **Spatio-Temporal** [444, 456, 295, 625]. **Special** [399]. **Specific** [85, 360, 464, 470]. **Specification** [536, 257]. **Specifications** [560, 197]. **Spectral** [277, 412, 44]. **Speech** [176]. **Speed** [82]. **Spherical** [601]. **Spielman** [277]. **Spike** [53]. **Spike-Time** [53]. **Spiking** [54, 50, 47]. **Spill** [80]. **Spiral** [386]. **Spirometer** [272]. **Split** [47]. **Sports** [357]. **Spreadsheets** [87]. **Spyware** [580]. **Squares** [371]. **Squashing** [283]. **SRE** [247]. **SSS** [638]. **Stability** [590]. **Stability-Based** [590]. **stabilization** [555, 550, 638]. **Stabilizing** [562, 566, 554, 563, 564, 565, 551, 553, 552]. **Stable** [412, 338, 31, 24]. **Stage** [98]. **State** [212, 360, 453, 144, 567]. **State-Aware** [567]. **States** [136]. **Static** [545]. **Statistical** [278, 128, 616, 539, 119, 597, 531, 313, 408, 595, 127]. **Statistics** [352]. **Stent** [515]. **Step** [158]. **Stereo** [438, 440, 435, 425]. **Stereotype** [396]. **STIA** [625]. **Stixel** [447]. **Stixels** [446]. **Stochastic** [513, 111, 215, 531, 40, 62]. **Storage** [54, 101]. **Stowage** [93]. **Strategies** [400]. **Stream** [292, 589]. **Stream-Based** [292]. **Striatum** [605]. **Strict** [189]. **String** [378]. **String-Wrapped** [378]. **Strip** [20]. **Strip-Composed** [20]. **Structural** [299]. **Structure** [482, 255, 183, 40]. **Structured** [43, 214, 453, 342]. **Structures** [16, 606]. **Student** [239, 18]. **Students** [240, 249]. **Studies** [408]. **Study** [105, 75, 152, 597, 249, 149, 573, 494]. **Style** [243]. **Sub** [484]. **Sub-product** [484]. **Subcortical** [600]. **Subgraphs** [21]. **Subgroup** [285]. **Subimages** [283]. **Subject** [118]. **Subjective** [143]. **Subquadratic** [391]. **Subsequence** [389]. **Subsequences** [579]. **Succeeded** [339]. **Suitable** [260]. **Sum** [17]. **Summarization** [509]. **Super** [336, 411, 426]. **Super-Resolution** [336, 411, 426]. **Superalloy** [348]. **Surfaces** [411]. **SuperFloxels** [459]. **Superpixels** [353]. **Supervertices** [603]. **Supervised** [75, 423, 356, 454, 286]. **Supply** [96]. **Support** [76, 152, 102, 478, 356]. **Suppression** [122]. **Surface** [600, 597, 298]. **Surfaces** [415, 312, 603, 414, 431, 596]. **Surgery** [304]. **Surveillance** [313, 457]. **Survey** [124, 120]. **Sustainable** [630, 397]. **Swapping** [122, 120]. **Swarm** [74, 148, 65]. **Switzerland** [612, 613]. **Symbolic** [226]. **Symmetrical** [140]. **Symmetry** [355]. **Symposium** [614, 638]. **Synchronization** [48, 553, 545]. **Synchronizer** [558]. **Synchronous** [152]. **Synthesis** [336, 538, 600, 142, 544]. **Synthetic** [441]. **System** [258, 580, 577, 102, 528, 454, 271, 586, 572, 268, 160, 86, 578]. **Systemic** [281]. **Systems** [472, 530, 535, 50, 639, 623, 539, 575, 634, 10, 221, 223, 12, 637, 542, 214, 531, 567, 617, 638, 547].

**T** [470]. **Tables** [128]. **Tabular** [113, 111]. **Tag** [141]. **Tag-Based** [141]. **Tail**



[162]. **Taming** [197]. **Tangled** [376]. **Tanks** [93]. **Taormina** [639]. **Tasks** [501]. **Taxonomic** [116]. **TC** [623]. **Teaching** [152, 153, 157]. **Team** [357]. **Technique** [582, 265, 604]. **Techniques** [509, 40, 66]. **Technological** [246]. **Technologies** [237]. **Technology** [99, 523, 622]. **TEL** [622, 236]. **Telling** [178]. **tempering** [68]. **Template** [295]. **Temporal** [146, 135, 438, 36, 347, 444, 456, 295, 303, 307, 625]. **tenant** [505]. **Teng** [277]. **Tensor** [346]. **Tensor-Based** [346]. **Tensors** [267]. **Term** [220, 58, 63]. **Terminal** [95]. **Terminals** [94]. **Terminating** [557]. **Test** [121]. **Testing** [227, 114]. **Tetrahedral** [607]. **Textual** [134]. **Textural** [428]. **Texture** [72, 416, 314, 352]. **Their** [346, 493]. **Theorem** [201]. **Theoretic** [611]. **Theoretical** [58]. **Theories** [536]. **Theory** [533, 582]. **Thick** [510]. **Thickness** [300]. **Thin** [47]. **Third** [615, 619]. **Thrackles** [376]. **Throughput** [590]. **TIDS** [258]. **Tight** [34]. **Tikhonov** [46]. **Tikhonov-Type** [46]. **Time** [415, 9, 532, 48, 458, 173, 38, 536, 191, 625, 368, 522, 586, 307, 471, 100, 457, 607, 427, 53]. **Time-Lapse** [307]. **Time-Series** [625]. **Time-Travel** [522]. **Time-Varying** [38]. **Timed** [533, 534, 535, 536, 537, 6, 541, 637, 542, 543, 544, 546, 547]. **TinkerLamp** [237]. **Tissue** [599, 307]. **Titanium** [521]. **TOF** [425]. **Together** [404]. **Togetherness** [210]. **Token** [507]. **Tolerance** [562, 16]. **Tomography** [405]. **Tool** [250, 156, 154]. **Topology** [606]. **Toronto** [638]. **Tower** [25]. **Track** [271, 318]. **Tracking** [418, 305, 340, 368, 341, 464, 307, 604, 342]. **Trade** [99]. **Traded** [74]. **Traditional** [435]. **Trails** [17]. **Training** [290, 234, 68, 360, 66]. **Trajectories** [460]. **Trajectory** [526, 315]. **Transfer** [239]. **Transformation** [219, 224, 225, 221, 223, 222, 193, 214]. **Transformations** [621, 215, 11, 228]. **Transistors** [47]. **Transit** [384]. **Transition** [540]. **Transitive** [195, 188]. **Transparent** [474]. **Transport** [394]. **Transversal** [33]. **Trap** [580]. **Travel** [522]. **Treewidth** [26]. **Triangles** [552]. **Triangulation** [19]. **Triangulations** [375, 385]. **Trim** [282]. **Triple** [218]. **Truly** [228]. **Trust** [258, 161]. **Trust-Based** [258]. **Tumors** [305]. **Tuning** [133]. **Tweets** [243, 293]. **Twisted** [383]. **Twitter** [243]. **Two** [511, 458, 203, 133, 21, 98, 545]. **Two-Dimensional** [511]. **Two-Stage** [98]. **Type** [418, 46, 86]. **Typed** [78].

**Ubiquitous** [253]. **UK** [637, 620]. **Ultra** [421]. **Ultra-wide** [421]. **UML** [469]. **UML2** [486]. **Unbiased** [295]. **Uncertain** [12]. **Uncertainty** [471]. **Unconstrained** [364]. **Under-Approximations** [212]. **Understanding** [238, 172, 619]. **Undoing** [321]. **UNESCO** [616]. **Unfolding** [390]. **Unified** [432]. **Uniform** [149, 555]. **Unifying** [189]. **unit** [397]. **Units** [59]. **Universal** [167]. **Unmanned** [519]. **Unmixing** [44]. **Unordered** [147]. **Unstructured** [607, 134]. **Unsupervised** [461, 452, 302]. **UPPAAL** [545]. **Upward** [27]. **Usage** [486, 262, 257]. **Use** [325, 240, 152]. **Useful** [121, 154]. **User** [502, 505]. **User-Centric** [502]. **User-Customisable** [505]. **Using** [406, 415, 465, 272, 42, 442, 8, 348, 105, 593, 196, 74, 364, 501, 397, 259, 461, 460, 602, 277, 453, 311, 176, 322, 197, 410, 455, 66, 286, 298, 327, 407, 62, 315,

333, 47]. **Utility** [149]. **Utilizing** [57].

**Vague** [178]. **Vagueness** [178]. **Valid** [119]. **Value** [267, 398]. **Value-Based** [398]. **Valued** [513, 343, 409, 57, 204]. **Variable** [545]. **Variables** [67, 118]. **Variance** [551]. **Variant** [358]. **Variational** [346]. **Varna** [617]. **Varying** [38]. **Vascular** [606]. **Vector** [513, 76, 356, 57]. **Vector-Valued** [513]. **Vehicle** [105, 519, 100, 400]. **Vehicles** [399]. **Venice** [623]. **verbal** [181]. **Verification** [566, 225, 561]. **Vertebral** [595]. **Very** [134]. **Vessel** [93]. **Vessels** [515]. **via** [418, 305, 5, 225, 601, 193, 285, 557, 117, 604, 408, 337, 11, 353, 431]. **Video** [509, 364, 456, 518, 423, 523, 350, 459, 457]. **Videos** [429, 455]. **View** [99, 174, 430]. **Viewpoint** [431]. **Views** [142]. **VII** [628]. **Vilamoura** [619]. **Virtual** [561, 495]. **Visibility** [381]. **Vision** [636, 626, 627, 628, 631, 632, 633]. **Visual** [227, 452, 180, 451]. **Visualization** [516]. **Visualizations** [244]. **Vocabularies** [332]. **Volume** [299]. **Volumetric** [607]. **Voronoi** [392]. **Voting** [268]. **Voting-Based** [268]. **vs** [296, 16].

**Warehouse** [101]. **Warping** [604]. **Warsaw** [636]. **Weakly** [423, 356]. **Web** [618, 165, 423, 488, 170]. **Web-Based** [618, 165]. **Web-Scale** [423]. **Wedge** [415]. **Weekday** [61]. **Weekday-Based** [61]. **Weight** [565]. **Weight-Based** [565]. **Weighted** [20, 28, 37, 389, 342]. **Weights** [484]. **Well** [214]. **Well-Structured** [214]. **WG** [611]. **Which** [25, 297, 152]. **While** [471, 381]. **Wiberg** [366]. **wide** [421]. **Wiki** [154]. **Wikis** [153]. **Wind** [102]. **Window** [465]. **Windows** [265, 100]. **Wireless** [258, 574, 550]. **within** [291]. **without** [585]. **Wollongong** [630]. **Word** [319]. **Wordnet** [132]. **Workbench** [135]. **Workflow** [470]. **Workload** [500]. **Workshop** [625, 610, 611, 640, 619]. **Workshops** [630, 631, 632, 633]. **World** [419, 354]. **Worldwide** [311]. **Wrapped** [378]. **Wright** [105]. **Wrinkles** [442]. **Write** [500]. **Write-Heavy** [500]. **Wrong** [122].

**X** [521]. **X-Ray** [521]. **XACML** [257]. **XIV** [629].

**Zeno** [545].

## References

Bojanczyk:2012:FMS

- [1] Mikołaj Bojańczyk and Sławomir Lasota. Fraenkel–Mostowski sets with non-homogeneous atoms. *Lecture Notes in Computer Science*, 7550:1–5, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33512-9\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33512-9_1/).

**Salvati:2012:RSK**

- [2] Sylvain Salvati and Igor Walukiewicz. Recursive schemes, Krivine machines, and collapsible pushdown automata. *Lecture Notes in Computer Science*, 7550:6–20, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33512-9\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33512-9_2/).

**Ouaknine:2012:DPL**

- [3] Joël Ouaknine and James Worrell. Decision problems for linear recurrence sequences. *Lecture Notes in Computer Science*, 7550:21–28, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33512-9\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33512-9_3/).

**Kucera:2012:PGC**

- [4] Antonín Kučera. Playing games with counter automata. *Lecture Notes in Computer Science*, 7550:29–41, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33512-9\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33512-9_4/).

**Felscher:2012:LMC**

- [5] Ingo Felscher. LTL-model-checking via model composition. *Lecture Notes in Computer Science*, 7550:42–53, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33512-9\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33512-9_5/).

**Haase:2012:RBR**

- [6] Christoph Haase, Joël Ouaknine, and James Worrell. On the relationship between reachability problems in timed and counter automata. *Lecture Notes in Computer Science*, 7550:54–65, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33512-9\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33512-9_6/).

**Brocchi:2012:SSP**

- [7] Stefano Brocchi and Paolo Massazza. Smooth sand piles. *Lecture Notes in Computer Science*, 7550:66–78, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33512-9\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33512-9_7/).

**Benvenuti:2012:ADC**

- [8] Luca Benvenuti, Davide Bresolin, Pieter Collins, and Alberto Ferrari. Ariadne: Dominance checking of nonlinear hybrid automata using reachability analysis. *Lecture Notes in Computer Science*, 7550:

79–91, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33512-9\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33512-9_8/).

**Akshay:2012:RTPa**

- [9] S. Akshay, Loïc Hélouët, Claude Jard, and Pierre-Alain Reynier. Robustness of time Petri nets under guard enlargement. *Lecture Notes in Computer Science*, 7550:92–106, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33512-9\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33512-9_9/).

**Ghorbal:2012:EPM**

- [10] Khalil Ghorbal, Parasara Sridhar Duggirala, and Vineet Kahlon. Efficient probabilistic model checking of systems with ranged probabilities. *Lecture Notes in Computer Science*, 7550:107–120, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33512-9\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33512-9_10/).

**Saleh:2012:LKT**

- [11] Rafiq Saleh. On the length of knot transformations via Reidemeister moves I and II. *Lecture Notes in Computer Science*, 7550:121–136, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33512-9\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33512-9_11/).

**Hansch:2012:ILS**

- [12] Paul Hänsch and Stefan Kowalewski. Invariants for LTI systems with uncertain input. *Lecture Notes in Computer Science*, 7550:137–148, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33512-9\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33512-9_12/).

**Anonymous:2012:BMa**

- [13] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7550:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-33512-9/1>.

**Anonymous:2012:FMa**

- [14] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7550:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33512-9/1>.

**Rautenbach:2012:AI**

- [15] Dieter Rautenbach. Account on intervals. *Lecture Notes in Computer Science*, 7551:1, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34611-8\\_1](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34611-8_1).

**Peleg:2012:CRS**

- [16] David Peleg. Constructing resilient structures in graphs: Rigid vs. competitive fault-tolerance. *Lecture Notes in Computer Science*, 7551:2, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34611-8\\_2](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34611-8_2).

**Bhattacharya:2012:ARI**

- [17] Amitava Bhattacharya. Alternating reachability and integer sum of closed alternating trails. *Lecture Notes in Computer Science*, 7551:3, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34611-8\\_3](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34611-8_3).

**Golumbic:2012:SPS**

- [18] Martin Charles Golumbic, Michal Stern, Avivit Levy, and Gila Morgenstern. Student poster session. *Lecture Notes in Computer Science*, 7551:4-6, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_4/).

**Berry:2012:TCS**

- [19] Anne Berry and Annegret Wagler. Triangulation and clique separator decomposition of claw-free graphs. *Lecture Notes in Computer Science*, 7551:7-21, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_5/).

**Bonomo:2012:MWC**

- [20] Flavia Bonomo, Gianpaolo Oriolo, and Claudia Snels. Minimum weighted clique cover on strip-composed perfect graphs. *Lecture Notes in Computer Science*, 7551:22-33, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_6/).

**Kratsch:2012:GIG**

- [21] Stefan Kratsch and Pascal Schweitzer. Graph isomorphism for graph classes characterized by two forbidden induced subgraphs. *Lecture Notes in Computer Science*, 7551:34–45, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_7/).

**Hermelin:2012:OPD**

- [22] Danny Hermelin, Julián Mestre, and Dror Rawitz. Optimization problems in dotted interval graphs. *Lecture Notes in Computer Science*, 7551:46–56, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_8/).

**Francis:2012:MCP**

- [23] Mathew C. Francis, Daniel Gonçalves, and Pascal Ochem. The maximum clique problem in multiple interval graphs (extended abstract). *Lecture Notes in Computer Science*, 7551:57–68, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_9/).

**Biro:2012:SSR**

- [24] Péter Biró, Matthijs Bomhoff, Petr A. Golovach, Walter Kern, and Daniël Paulusma. Solutions for the Stable Roommates Problem with payments. *Lecture Notes in Computer Science*, 7551:69–80, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_10/).

**Berend:2012:WMP**

- [25] Daniel Berend and Amir Sapir. Which multi-peg Tower of Hanoi problems are exponential? *Lecture Notes in Computer Science*, 7551:81–90, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_11/).

**DiGiacomo:2012:QPD**

- [26] Emilio Di Giacomo, Walter Didimo, Giuseppe Liotta, and Fabrizio Montecchiani.  $h$ -quasi planar drawings of bounded treewidth graphs in linear area. *Lecture Notes in Computer Science*, 7551:91–102, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_12/).

**Auer:2012:DUP**

- [27] Christopher Auer, Christian Bachmaier, Franz J. Brandenburg, and Andreas Gleißner. The duals of upward planar graphs on cylinders. *Lecture Notes in Computer Science*, 7551:103–113, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_13/).

**Epstein:2012:WMD**

- [28] Leah Epstein, Asaf Levin, and Gerhard J. Woeginger. The (weighted) metric dimension of graphs: Hard and easy cases. *Lecture Notes in Computer Science*, 7551:114–125, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_14/).

**Junosza-Szaniawski:2012:DSP**

- [29] Konstanty Junosza-Szaniawski, Jan Kratochvíl, Mathieu Liedloff, and Paweł Rzażewski. Determining the  $L(2, 1)$ -span in polynomial space. *Lecture Notes in Computer Science*, 7551:126–137, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_15/).

**Javelle:2012:MDL**

- [30] Jérôme Javelle, Mehdi Mhalla, and Simon Perdrix. On the minimum degree up to local complementation: Bounds and complexity. *Lecture Notes in Computer Science*, 7551:138–147, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_16/).

**Muller:2012:SDG**

- [31] Haiko Müller. On the stable degree of graphs. *Lecture Notes in Computer Science*, 7551:148–159, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_17/).

**Kowalik:2012:KKN**

- [32] Łukasz Kowalik and Marcin Mucha. A 9 k kernel for nonseparating independent set in planar graphs. *Lecture Notes in Computer Science*, 7551:160–171, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_18/).

**Misra:2012:PAE**

- [33] Pranabendu Misra, Venkatesh Raman, M. S. Ramanujan, and Saket Saurabh. Parameterized algorithms for even cycle transversal. *Lecture Notes in Computer Science*, 7551:172–183, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_19/).

**Mnich:2012:BAT**

- [34] Matthias Mnich and Rico Zenklusen. Bisections above tight lower bounds. *Lecture Notes in Computer Science*, 7551:184–193, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34611-8\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-34611-8_20/).

**Anonymous:2012:FMB**

- [35] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7551:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34611-8/1>.

**Gerrard:2012:TPA**

- [36] Claire Gerrard, John McCall, George M. Coghill, and Christopher Macleod. Temporal patterns in artificial reaction networks. *Lecture Notes in Computer Science*, 7552:1–8, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_1/).

**Karandashev:2012:PHM**

- [37] Iakov Karandashev, Boris Kryzhanovsky, and Leonid Litinskii. Properties of the Hopfield model with weighted patterns. *Lecture Notes in Computer Science*, 7552:9–16, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_2/).

**Cherif:2012:DOG**

- [38] Farouk Chérif. Dynamics and oscillations of GHNNs with time-varying delay. *Lecture Notes in Computer Science*, 7552:17–24, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_3/).

**Duran:2012:DFA**

- [39] Boris Durán, Yulia Sandamirskaya, and Gregor Schöner. A dynamic field architecture for the generation of hierarchically organized sequences. *Lecture Notes in Computer Science*, 7552:25–32, 2012. CODEN LNCS9.



ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_4/).

**Matuszak:2012:STI**

- [40] Michal Matuszak and Jacek Miekisz. Stochastic techniques in influence diagrams for learning Bayesian network structure. *Lecture Notes in Computer Science*, 7552:33–40, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_5/).

**Karandashev:2012:MMM**

- [41] Iakov Karandashev and Boris Kryzhanovskiy. The mix-matrix method in the problem of binary quadratic optimization. *Lecture Notes in Computer Science*, 7552:41–48, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_6/).

**Austin:2012:RCA**

- [42] James Austin, Stephen Hobson, Nathan Burles, and Simon O’Keefe. A rule chaining architecture using a correlation matrix memory. *Lecture Notes in Computer Science*, 7552:49–56, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_7/).

**Bacciu:2012:GMK**

- [43] Davide Bacciu, Alessio Micheli, and Alessandro Sperduti. A generative multiset kernel for structured data. *Lecture Notes in Computer Science*, 7552:57–64, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_8/).

**Zdunek:2012:SSU**

- [44] Rafal Zdunek. Spectral signal unmixing with interior-point nonnegative matrix factorization. *Lecture Notes in Computer Science*, 7552:65–72, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_9/).

**Wang:2012:HOP**

- [45] Dan Wang, Donghong Ji, and Wei Huang. Hybrid optimized polynomial neural networks with polynomial neurons and fuzzy polynomial neurons. *Lecture Notes in Computer Science*, 7552:73–80, 2012. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_10/).

**Cho:2012:TTR**

- [46] KyungHyun Cho, Alexander Ilin, and Tapani Raiko. Tikhonov-type regularization for restricted Boltzmann machines. *Lecture Notes in Computer Science*, 7552:81–88, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_11/).

**Wood:2012:MSA**

- [47] Richard Wood, Ian Bruce, and Peter Mascher. Modeling of spiking analog neural circuits with Hebbian learning, using amorphous semiconductor thin film transistors with silicon oxide nitride semiconductor split gates. *Lecture Notes in Computer Science*, 7552:89–96, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_12/).

**Beuler:2012:RTS**

- [48] Marcel Beuler, Aubin Tchaptchet, Werner Bonath, Svetlana Postnova, and Hans Albert Braun. Real-time simulations of synchronization in a conductance-based neuronal network with a digital FPGA hardware-core. *Lecture Notes in Computer Science*, 7552:97–104, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_13/).

**Singh:2012:IFE**

- [49] Anand Singh, Pierre J. Magistretti, Bruno Weber, and Renaud Jolivet. Impact of frequency on the energetic efficiency of action potentials. *Lecture Notes in Computer Science*, 7552:105–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_14/).

**Cheung:2012:LSS**

- [50] Kit Cheung, Simon R. Schultz, and Wayne Luk. A large-scale spiking neural network accelerator for FPGA systems. *Lecture Notes in Computer Science*, 7552:113–120, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_15/).

**Choudhary:2012:SNC**

- [51] Swadesh Choudhary, Steven Sloan, Sam Fok, Alexander Neckar, Eric Trautmann, and Peiran Gao. Silicon neurons that compute. *Lecture Notes*

in *Computer Science*, 7552:121–128, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_16/).

**Barrera:2012:CIE**

- [52] Andres Gaona Barrera and Manuel Moreno Arostegui. A communication infrastructure for emulating large-scale neural networks models. *Lecture Notes in Computer Science*, 7552:129–136, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_17/).

**Yusoff:2012:PAL**

- [53] Nooraini Yusoff, André Grüning, and Scott Notley. Pair-associate learning with modulated spike-time dependent plasticity. *Lecture Notes in Computer Science*, 7552:137–144, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_18/).

**Agnes:2012:AMN**

- [54] Everton J. Agnes, Rubem Erichsen Jr., and Leonardo G. Brunnet. Associative memory in neuronal networks of spiking neurons: Architecture and storage analysis. *Lecture Notes in Computer Science*, 7552:145–152, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_19/).

**Kirikawa:2012:BNF**

- [55] Shota Kirikawa, Takashi Ogawa, and Toshimichi Saito. Bifurcating neurons with filtered base signals. *Lecture Notes in Computer Science*, 7552:153–160, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33269-2\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33269-2_20/).

**Anonymous:2012:FMc**

- [56] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7552:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33269-2/1>.

**Suzumura:2012:CVM**

- [57] Shinya Suzumura and Ryohei Nakano. Complex-valued multilayer perceptron search utilizing eigen vector descent and reducibility mapping. *Lecture Notes in Computer Science*, 7553:1–8, 2012. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_1/).

**Hara:2012:TAF**

- [58] Kazuyuki Hara, Kentaro Katahira, Kazuo Okanoya, and Masato Okada. Theoretical analysis of function of derivative term in on-line gradient descent learning. *Lecture Notes in Computer Science*, 7553:9–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_2/).

**Krurkova:2012:SCN**

- [59] Věra Kůrková. Some comparisons of networks with radial and kernel units. *Lecture Notes in Computer Science*, 7553:17–24, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_3/).

**Ribeiro:2012:MPL**

- [60] Geraldina Ribeiro, Wouter Duivesteijn, Carlos Soares, and Arno Knobbe. Multilayer perceptron for label ranking. *Lecture Notes in Computer Science*, 7553:25–32, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_4/).

**Koprinska:2012:ELF**

- [61] Irena Koprinska, Mashud Rana, and Vassilios G. Agelidis. Electricity load forecasting: a weekday-based approach. *Lecture Notes in Computer Science*, 7553:33–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_5/).

**Tokic:2012:AEU**

- [62] Michel Tokic and Günther Palm. Adaptive exploration using stochastic neurons. *Lecture Notes in Computer Science*, 7553:42–49, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_6/).

**Steege:2012:CLT**

- [63] Frank-Florian Steege and Horst-Michael Groß. Comparison of long-term adaptivity for neural networks. *Lecture Notes in Computer Science*, 7553:50–57, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_7/).

**Mamalet:2012:SCF**

- [64] Franck Mamalet and Christophe Garcia. Simplifying ConvNets for fast learning. *Lecture Notes in Computer Science*, 7553:58–65, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_8/).

**deOliveira:2012:MAF**

- [65] João Fausto Lorenzato de Oliveira and Teresa B. Ludermir. A modified artificial fish swarm algorithm for the optimization of extreme learning machines. *Lecture Notes in Computer Science*, 7553:66–73, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_9/).

**Ninomiya:2012:RTF**

- [66] Hiroshi Ninomiya. Robust training of feedforward neural networks using combined online/batch quasi-Newton techniques. *Lecture Notes in Computer Science*, 7553:74–83, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_10/).

**Entner:2012:ECO**

- [67] Doris Entner and Patrik O. Hoyer. Estimating a causal order among groups of variables in linear models. *Lecture Notes in Computer Science*, 7553:84–91, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_11/).

**Brakel:2012:TRB**

- [68] Philemon Brakel, Sander Dieleman, and Benjamin Schrauwen. Training restricted Boltzmann machines with multi-tempering: Harnessing parallelization. *Lecture Notes in Computer Science*, 7553:92–99, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_12/).

**Torres:2012:CGA**

- [69] Luiz C. B. Torres, Cristiano L. Castro, and Antônio P. Braga. A computational geometry approach for Pareto-optimal selection of neural networks. *Lecture Notes in Computer Science*, 7553:100–107, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_13/).

**Kassahun:2012:LPL**

- [70] Yohannes Kassahun, Hendrik Wöhrle, Alexander Fabisch, and Marc Tabie. Learning parameters of linear models in compressed parameter space. *Lecture Notes in Computer Science*, 7553:108–115, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_14/).

**Nakano:2012:CFF**

- [71] Daichi Nakano, Shin ichi Maeda, and Shin Ishii. Control of a free-falling cat by policy-based reinforcement learning. *Lecture Notes in Computer Science*, 7553:116–123, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_15/).

**Hao:2012:GBM**

- [72] Tele Hao, Tapani Raiko, Alexander Ilin, and Juha Karhunen. Gated Boltzmann machine in texture modeling. *Lecture Notes in Computer Science*, 7553:124–131, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_16/).

**Kromer:2012:NPM**

- [73] Pavel Krömer, Emilio Corchado, Václav Snášel, Jan Platoš, and Laura García-Hernández. Neural PCA and maximum likelihood Hebbian learning on the GPU. *Lecture Notes in Computer Science*, 7553:132–139, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_17/).

**Diez-Fernandez:2012:CEM**

- [74] Marta Díez-Fernández, Sergio Alvarez Teleña, and Denise Gorse. Construction of emerging markets exchange traded funds using multiobjective particle swarm optimisation. *Lecture Notes in Computer Science*, 7553:140–147, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_18/).

**Goncalves:2012:ISC**

- [75] André R. Gonçalves, Rosana Veroneze, Salomão Madeiro, and Carlos R. B. Azevedo. The influence of supervised clustering for RBFNN centers definition: a comparative study. *Lecture Notes in Computer Science*,

7553:148–155, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_19/).

**Ghio:2012:NSM**

- [76] Alessandro Ghio, Davide Anguita, Luca Oneto, Sandro Ridella, and Carlotta Schatten. Nested sequential minimal optimization for support vector machines. *Lecture Notes in Computer Science*, 7553:156–163, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33266-1\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33266-1_20/).

**Anonymous:2012:FMd**

- [77] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7553:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33266-1/1>.

**Barbosa:2012:SCI**

- [78] Luis Soares Barbosa. Software components as invariant-typed arrows. *Lecture Notes in Computer Science*, 7554:1–5, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33182-4\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33182-4_1/).

**Aichernig:2012:SKB**

- [79] Bernhard Klaus Aichernig. The science of Killing bugs in a black box. *Lecture Notes in Computer Science*, 7554:6–11, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33182-4\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33182-4_2/).

**Sampaio:2012:SCP**

- [80] Diogo Nunes Sampaio, Elie Gedeon, and Fernando Magno Quintão Pereira. Spill code placement for SIMD machines. *Lecture Notes in Computer Science*, 7554:12–26, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33182-4\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33182-4_3/).

**Medeiros:2012:LRP**

- [81] Sérgio Medeiros, Fabio Mascarenhas, and Roberto Ierusalimsky. Left recursion in parsing expression grammars. *Lecture Notes in Computer Science*, 7554:27–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33182-4\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33182-4_4/).

**Campos:2012:SPR**

- [82] Victor Hugo Sperle Campos and Raphael Ernani Rodrigues. Speed and precision in range analysis. *Lecture Notes in Computer Science*, 7554: 42–56, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33182-4\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33182-4_5/).

**Alves:2012:PBC**

- [83] Péricles Rafael Oliveira Alves and Igor Rafael de Assis Costa. Parameter based constant propagation. *Lecture Notes in Computer Science*, 7554:57–71, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33182-4\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33182-4_6/).

**Reis:2012:APE**

- [84] Leonardo Vieira dos Santos Reis and Roberto da Silva Bigonha. Adaptable parsing expression grammars. *Lecture Notes in Computer Science*, 7554:72–86, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33182-4\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33182-4_7/).

**Ferreira:2012:OGD**

- [85] Bruno Morais Ferreira and Fernando Magno Quintão Pereira. Optimizing a geomodeling domain specific language. *Lecture Notes in Computer Science*, 7554:87–101, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33182-4\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33182-4_8/).

**deBayser:2012:SRT**

- [86] Maximilien de Bayser and Renato Cerqueira. A system for runtime type introspection in C++. *Lecture Notes in Computer Science*, 7554: 102–116, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33182-4\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33182-4_9/).

**Cunha:2012:MBP**

- [87] Jácome Cunha, João Saraiva, and Joost Visser. Model-based programming environments for spreadsheets. *Lecture Notes in Computer Science*, 7554:117–133, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33182-4\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33182-4_10/).



**Gaia:2012:QAA**

- [88] Felipe Nunes Gaia and Gabriel Coutinho Sousa Ferreira. A quantitative assessment of aspectual feature modules for evolving software product lines. *Lecture Notes in Computer Science*, 7554:134–149, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33182-4\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33182-4_11/).

**Viera:2012:AGM**

- [89] Marcos Viera and Doaitse Swierstra. Attribute grammar macros. *Lecture Notes in Computer Science*, 7554:150–164, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33182-4\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33182-4_12/).

**Anonymous:2012:BMb**

- [90] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7554:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bm:978-3-642-33182-4/1>.

**Anonymous:2012:FMe**

- [91] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7554:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33182-4/1>.

**Tierney:2012:LSF**

- [92] Kevin Tierney and Rune Møller Jensen. The liner shipping fleet repositioning problem with cargo flows. *Lecture Notes in Computer Science*, 7555:1–16, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33587-7\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33587-7_1/).

**Pacino:2012:AMS**

- [93] Dario Pacino, Alberto Delgado, Rune Møller Jensen, and Tom Bebbington. An accurate model for seaworthy container vessel stowage planning with ballast tanks. *Lecture Notes in Computer Science*, 7555:17–32, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33587-7\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33587-7_2/).

**Schwarze:2012:SAC**

- [94] Silvia Schwarze, Stefan Voß, Guohua Zhou, and Guoli Zhou. Scientometric analysis of container terminals and ports literature and interaction with

publications on distribution networks. *Lecture Notes in Computer Science*, 7555:33–52, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33587-7\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33587-7_3/).

**Nabais:2012:NPC**

- [95] João Lemos Nabais, Rudy R. Negenborn, and Miguel Ayala Botto. A novel predictive control based framework for optimizing intermodal container terminal operations. *Lecture Notes in Computer Science*, 7555:53–71, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33587-7\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33587-7_4/).

**Lam:2012:IPD**

- [96] Jasmine Siu Lee Lam and Tsz Leung Yip. Impact of port disruption on supply chains: a Petri net approach. *Lecture Notes in Computer Science*, 7555:72–85, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33587-7\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33587-7_5/).

**Voss:2012:EMO**

- [97] Stefan Voß. Extended mis-overlay calculation for pre-marshalling containers. *Lecture Notes in Computer Science*, 7555:86–91, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33587-7\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33587-7_6/).

**Litvinchev:2012:STS**

- [98] Igor Litvinchev and Edith Lucero Ozuna Espinosa. Solving the two-stage capacitated facility location problem by the Lagrangian heuristic. *Lecture Notes in Computer Science*, 7555:92–103, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33587-7\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33587-7_7/).

**Daduna:2012:ARF**

- [99] Joachim R. Daduna. Applying radio frequency identification technology in retail trade from a logistics point of view — an overview over opportunities and limitations. *Lecture Notes in Computer Science*, 7555:104–119, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33587-7\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33587-7_8/).

**Reinhardt:2012:SVR**

- [100] Line Blander Reinhardt, Simon Spoorendonk, and David Pisinger. Solving vehicle routing with full container load and time Windows. *Lecture Notes*

in *Computer Science*, 7555:120–128, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33587-7\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33587-7_9/).

**Iris:2012:MIS**

- [101] Cagatay Iris and Mehmet Mutlu Yenisey. Multi-item simultaneous lot sizing and storage allocation with production and warehouse capacities. *Lecture Notes in Computer Science*, 7555:129–141, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33587-7\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33587-7_10/).

**Lange:2012:PML**

- [102] Kerstin Lange, André Rinne, and Hans-Dietrich Haasis. Planning maritime logistics concepts for offshore wind farms: a newly developed decision support system. *Lecture Notes in Computer Science*, 7555:142–158, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33587-7\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33587-7_11/).

**Xu:2012:ACB**

- [103] Feng Xu, Yuanbin Song, and Hao Hu. Application of cycle-based simulation to estimate loss of logistics productivity on construction sites. *Lecture Notes in Computer Science*, 7555:159–170, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33587-7\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33587-7_12/).

**Bubalo:2012:BEA**

- [104] Branko Bubalo. Benchmarking European airports based on a profitability envelope. *Lecture Notes in Computer Science*, 7555:171–189, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33587-7\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33587-7_13/).

**Cao:2012:SVR**

- [105] Buyang Cao. Solving vehicle routing problems using an enhanced Clarke–Wright algorithm: a case study. *Lecture Notes in Computer Science*, 7555:190–205, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33587-7\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33587-7_14/).

**Sze:2012:IHM**

- [106] San-Nah Sze, Ada Ng Suk-Fong, and Kang-Leng Chiew. An insertion heuristic manpower scheduling for in-flight catering service application. *Lecture Notes in Computer Science*, 7555:206–216, 2012. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33587-7\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33587-7_15/).

**Anonymous:2012:BMc**

- [107] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7555: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-33587-7/1>.

**Anonymous:2012:FMf**

- [108] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7555: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33587-7/1>.

**deWolf:2012:PSD**

- [109] Peter-Paul de Wolf and Anco Hundepool.  $p\%$  should dominate. *Lecture Notes in Computer Science*, 7556:1–10, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_1/).

**Castro:2012:CEO**

- [110] Jordi Castro. A computational evaluation of optimization solvers for CTA. *Lecture Notes in Computer Science*, 7556:11–21, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_2/).

**Giessing:2012:FRB**

- [111] Sarah Giessing. Flexible rounding based on consistent post-tabular stochastic noise. *Lecture Notes in Computer Science*, 7556:22–34, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_3/).

**Castro:2012:CDC**

- [112] Jordi Castro. Comparing  $L_1$  and  $L_2$  distances for CTA. *Lecture Notes in Computer Science*, 7556:35–46, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_4/).

**Trottini:2012:IMB**

- [113] Mario Trottini, Krish Muralidhar, and Rathindra Sarathy. An investigation of model-based microdata masking for magnitude tabular data release. *Lecture Notes in Computer Science*, 7556:47–62, 2012. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_5/).

**Kowarik:2012:TIC**

- [114] Alexander Kowarik, Matthias Templ, Bernhard Meindl, Francois Fonteneau, and Bernd Prantner. Testing of IHSN C++ code and inclusion of new methods into sdcMicro. *Lecture Notes in Computer Science*, 7556: 63–77, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_6/).

**Mares:2012:CBC**

- [115] Jordi Marés and Vicenç Torra. Clustering-based categorical data protection. *Lecture Notes in Computer Science*, 7556:78–89, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_7/).

**Domingo-Ferrer:2012:AMT**

- [116] Josep Domingo-Ferrer, Krish Muralidhar, and Guillem Rufian-Torrell. Anonymization methods for taxonomic microdata. *Lecture Notes in Computer Science*, 7556:90–102, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_8/).

**Oganian:2012:HMM**

- [117] Anna Oganian and Josep Domingo-Ferrer. Hybrid microdata via model-based clustering. *Lecture Notes in Computer Science*, 7556:103–115, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_9/).

**Woo:2012:LRV**

- [118] Yong Ming Jeffrey Woo and Aleksandra B. Slavković. Logistic regression with variables subject to post randomization method. *Lecture Notes in Computer Science*, 7556:116–130, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_10/).

**Hall:2012:VSI**

- [119] Rob Hall and Stephen Fienberg. Valid statistical inference on automatically matched files. *Lecture Notes in Computer Science*, 7556: 131–142, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_11/).

**DePersio:2012:CSA**

- [120] Michael DePersio, Marlow Lemons, Kaleli A. Ramanayake, Julie Tsay, and Laura Zayatz. *n*-cycle swapping for the American Community Survey. *Lecture Notes in Computer Science*, 7556:143–164, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_12/).

**Dorner:2012:GUT**

- [121] Matthias Dorner, Jörg Drechsler, and Peter Jacobebbinghaus. Generating useful test data for complex linked employer–employee datasets. *Lecture Notes in Computer Science*, 7556:165–178, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_13/).

**Cleveland:2012:WEP**

- [122] Lara Cleveland, Robert McCaa, Steven Ruggles, and Matthew Sobek. When excessive perturbation goes wrong and why IPUMS-international relies instead on sampling, suppression, swapping, and other minimally harmful methods to protect privacy of census microdata. *Lecture Notes in Computer Science*, 7556:179–187, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_14/).

**Franconi:2012:ACE**

- [123] Luisa Franconi and Daniela Ichim. Achieving comparability of earnings. *Lecture Notes in Computer Science*, 7556:188–199, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_15/).

**Foschi:2012:DMR**

- [124] Flavio Foschi, Maria Cristina Casciano, Luisa Franconi, and Daniela Ichim. Designing multiple releases from the small and medium enterprises survey. *Lecture Notes in Computer Science*, 7556:200–215, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_16/).

**Abowd:2012:PSA**

- [125] John M. Abowd, Lars Vilhuber, and William Block. A proposed solution to the archiving and curation of confidential scientific inputs. *Lecture Notes in Computer Science*, 7556:216–225, 2012. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_17/).

**OKeefe:2012:CMM**

- [126] Christine M. O’Keefe. Confidentialising maps of mixed point and diffuse spatial data. *Lecture Notes in Computer Science*, 7556:226–240, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_18/).

**Zanger:2012:SRO**

- [127] Daniel Z. Zanger. Security of random output perturbation for statistical databases. *Lecture Notes in Computer Science*, 7556:241–256, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_19/).

**Charest:2012:EES**

- [128] Anne-Sophie Charest. Empirical evaluation of statistical inference from differentially-private contingency tables. *Lecture Notes in Computer Science*, 7556:257–272, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33627-0\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33627-0_20/).

**Anonymous:2012:FMg**

- [129] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7556:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33627-0/1>.

**HaCohen-Kerner:2012:efd**

- [130] Yaakov HaCohen-Kerner and Aharon Tayeb. Experiments with filtered detection of similar academic papers. *Lecture Notes in Computer Science*, 7557:1–13, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_1/).

**Piasecki:2012:CBS**

- [131] Maciej Piasecki, Radosław Ramocki, and Paweł Minda. Corpus-based semantic filtering in discovering derivational relations. *Lecture Notes in Computer Science*, 7557:14–22, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_2/).

**Piasecki:2012:LAA**

- [132] Maciej Piasecki, Roman Kurc, Radosław Ramocki, and Bartosz Broda. Lexical activation area attachment algorithm for Wordnet expansion. *Lecture Notes in Computer Science*, 7557:23–31, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_3/).

**Klyk:2012:MTM**

- [133] Łukasz Kłyk, Paweł B. Myszkowski, Bartosz Broda, Maciej Piasecki, and David Urbansky. Metaheuristics for tuning model parameters in two natural language processing applications. *Lecture Notes in Computer Science*, 7557:32–37, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_4/).

**Zizka:2012:CVL**

- [134] Jan Žizka, Karel Burda, and František Dařena. Clustering a very large number of textual unstructured customers’ reviews in English. *Lecture Notes in Computer Science*, 7557:38–47, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_5/).

**Boytcheva:2012:WTE**

- [135] Svetla Boytcheva and Galia Angelova. A workbench for temporal event information extraction from patient records. *Lecture Notes in Computer Science*, 7557:48–58, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_6/).

**Lupan:2012:AES**

- [136] Diana Lupan, Mihai Dascălu, Ștefan Trăușan-Matu, and Philippe Dessus. Analyzing emotional states induced by news articles with latent semantic analysis. *Lecture Notes in Computer Science*, 7557:59–68, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_7/).

**Ali:2012:ECH**

- [137] Mostafa Z. Ali and Robert G. Reynolds. The emergence of cultural hierarchical social networks in complex environments. *Lecture Notes in Computer Science*, 7557:69–78, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_8/).



**Tandukar:2012:ERS**

- [138] Udeep Tandukar and Julita Vassileva. Ensuring relevant and serendipitous information flow in decentralized online social network. *Lecture Notes in Computer Science*, 7557:79–88, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_9/).

**Arendarenko:2012:OBI**

- [139] Ernest Arendarenko and Tuomo Kakkonen. Ontology-based information and event extraction for business intelligence. *Lecture Notes in Computer Science*, 7557:89–102, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_10/).

**Kutz:2012:MHS**

- [140] Oliver Kutz, Janna Hastings, and Till Mossakowski. Modelling highly symmetrical molecules: Linking ontologies and graphs. *Lecture Notes in Computer Science*, 7557:103–111, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_11/).

**Beldjoudi:2012:PIT**

- [141] Samia Beldjoudi, Hassina Seridi-Bouchelaghem, and Catherine Faron-Zucker. Personalizing and improving tag-based search in folksonomies. *Lecture Notes in Computer Science*, 7557:112–118, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_12/).

**LeDorze:2012:VSC**

- [142] Aymeric Le Dorze, Lionel Chauvin, Laurent Garcia, David Genest, and Stéphane Loiseau. Views and synthesis of cognitive maps. *Lecture Notes in Computer Science*, 7557:119–124, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_13/).

**Gruca:2012:ICS**

- [143] Aleksandra Gruca and Marek Sikora. Identification of the compound subjective rule interestingness measure for rule-based functional description of genes. *Lecture Notes in Computer Science*, 7557:125–134, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_14/).

**Leonetti:2012:AGL**

- [144] Matteo Leonetti, Luca Iocchi, and Fabio Patrizi. Automatic generation and learning of finite-state controllers. *Lecture Notes in Computer Science*, 7557:135–144, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_15/).

**Damova:2012:FDS**

- [145] Mariana Damova, Kiril Simov, Zdravko Tashev, and Atanas Kiryakov. FactForge: Data service or the diversity of inferred knowledge over LOD. *Lecture Notes in Computer Science*, 7557:145–151, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_16/).

**Amaneddine:2012:PCG**

- [146] Nouhad Amaneddine and Jean-François Condotta. From path-consistency to global consistency in temporal qualitative constraint networks. *Lecture Notes in Computer Science*, 7557:152–161, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_17/).

**Sikora:2012:RQM**

- [147] Marek Sikora, Adam Skowron, and Łukasz Wróbel. Rule quality measure-based induction of unordered sets of regression rules. *Lecture Notes in Computer Science*, 7557:162–171, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_18/).

**Kabzinski:2012:SCF**

- [148] Jacek Kabziński. Swarm capability of finding eigenvalues. *Lecture Notes in Computer Science*, 7557:172–177, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_19/).

**Nadi:2012:SUP**

- [149] Farhad Nadi and Ahamad Tajudin Khader. A study on the utility of parametric uniform crossover for adaptation of crossover operator. *Lecture Notes in Computer Science*, 7557:178–183, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33185-5\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33185-5_20/).

**Anonymous:2012:FMh**

- [150] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7557: ??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33185-5/1>.

**Dettori:2012:AES**

- [151] Giuliana Dettori and Simone Torsani. An approach to exploit social bookmarking to improve formal language learning. *Lecture Notes in Computer Science*, 7558:1–10, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_1/).

**Hillen:2012:PSC**

- [152] Stefanie Andrea Hillen and Tero Päivärinta. Perceived support in E-collaborative learning: An exploratory study which make use of synchronous and asynchronous online-teaching approaches. *Lecture Notes in Computer Science*, 7558:11–20, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_2/).

**Kubincova:2012:HGA**

- [153] Zuzana Kubincová and Martin Homola. How to get around with Wikis in teaching. *Lecture Notes in Computer Science*, 7558:21–30, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_3/).

**Putnik:2012:WUT**

- [154] Zoran Putnik, Mirjana Ivanović, Zoran Budimac, and Ladislav Samuelis. Wiki — a useful tool to fight classroom cheating? *Lecture Notes in Computer Science*, 7558:31–40, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_4/).

**Popescu:2012:PBL**

- [155] Elvira Popescu. Project-based learning with eMUSE. *Lecture Notes in Computer Science*, 7558:41–50, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_5/).

**Nunes:2012:ATE**

- [156] Bernardo Pereira Nunes, Ricardo Kawase, and Stefan Dietze. Annotation tool for enhancing E-learning courses. *Lecture Notes in Computer Science*,

7558:51–60, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_6/).

**Kutay:2012:TCS**

- [157] Cat Kutay, Deirdre Howard-Wagner, Lynette Riley, and Janet Mooney. Teaching culture as social constructivism. *Lecture Notes in Computer Science*, 7558:61–68, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_7/).

**Bogdanov:2012:LPS**

- [158] Evgeny Bogdanov, Carsten Ullrich, Erik Isaksson, Matthias Palmer, and Denis Gillet. From LMS to PLE: a step forward through OpenSocial apps in Moodle. *Lecture Notes in Computer Science*, 7558:69–78, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_8/).

**Nussbaumer:2012:MRC**

- [159] Alexander Nussbaumer, Marcel Berthold, Daniel Dahrendorf, and Hans-Christian Schmitz. A mashup recommender for creating personal learning environments. *Lecture Notes in Computer Science*, 7558:79–88, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_9/).

**Zhou:2012:FRS**

- [160] Lei Zhou, Sandy El Helou, Laurent Moccozet, Laurent Opprecht, and Omar Benkacem. A federated recommender system for online learning environments. *Lecture Notes in Computer Science*, 7558:89–98, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_10/).

**Lorenz:2012:TSI**

- [161] Birgy Lorenz, Kätlin Kalde, and Kaido Kikkas. Trust and security issues in cloud-based learning and management. *Lecture Notes in Computer Science*, 7558:99–108, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_11/).

**Levacher:2012:STL**

- [162] Killian Levacher, Seamus Lawless, and Vincent Wade. Slicepedia: Towards Long tail resource production through open corpus reuse. *Lecture*

*Notes in Computer Science*, 7558:109–119, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_12/).

**Yang:2012:LPC**

- [163] Fan Yang, Frederick W. B. Li, and Rynson W. H. Lau. Learning path construction based on association link network. *Lecture Notes in Computer Science*, 7558:120–131, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_13/).

**Simko:2012:DHR**

- [164] Marián Šimko and Mária Bieliková. Discovering hierarchical relationships in educational content. *Lecture Notes in Computer Science*, 7558:132–141, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_14/).

**Ciuciu:2012:EMC**

- [165] Ioana Ciuciu and Yan Tang Demey. An evaluation methodology for C-FOAM applied to Web-based learning. *Lecture Notes in Computer Science*, 7558:142–151, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_15/).

**Kouneli:2012:MKD**

- [166] Aggeliki Kouneli, Georgia Solomou, Christos Pierrakeas, and Achilles Kameas. Modeling the knowledge domain of the Java programming language as an ontology. *Lecture Notes in Computer Science*, 7558:152–159, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_16/).

**Torrente:2012:TUG**

- [167] Javier Torrente, Ángel del Blanco, Ángel Serrano-Laguna, and José Ángel Vallejo-Pinto. Towards universal game development in education. *Lecture Notes in Computer Science*, 7558:160–169, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_17/).

**Lavoue:2012:TSL**

- [168] Élise Lavoué. Towards social learning games. *Lecture Notes in Computer Science*, 7558:170–179, 2012. CODEN LNCSD9. ISSN 0302-9743 (print),

1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_18/).

**Cehan:2012:CGE**

- [169] Sabina-Nadina Cehan and Dana-Anca Cehan. Computer games and English language learning. *Lecture Notes in Computer Science*, 7558: 180–189, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_19/).

**Staikopoulos:2012:AFC**

- [170] Athanasios Staikopoulos, Ian O’Keeffe, Rachael Rafter, Eddie Walsh, and Bilal Yousuf. AMASE: a framework for composing adaptive and personalised learning activities on the Web. *Lecture Notes in Computer Science*, 7558:190–199, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33642-3\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33642-3_20/).

**Anonymous:2012:FMi**

- [171] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7558: ??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33642-3/1>.

**Salah:2012:HBua**

- [172] Albert Ali Salah, Javier Ruiz del Solar, Çetin Meriçli, and Pierre-Yves Oudeyer. Human behavior understanding for robotics. *Lecture Notes in Computer Science*, 7559:1–16, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34014-7\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-34014-7_1/).

**Celiktutan:2012:RTE**

- [173] Oya Çeliktutan, Christian Wolf, Bülent Sankur, and Eric Lombardi. Real-time exact graph matching with application in human action recognition. *Lecture Notes in Computer Science*, 7559:17–28, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34014-7\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-34014-7_2/).

**Chaaroui:2012:EAM**

- [174] Alexandros Andre Chaaroui, Pau Climent-Pérez, and Francisco Flórez-Revuelta. An efficient approach for multi-view human action recognition based on bag-of-key-poses. *Lecture Notes in Computer Science*, 7559: 29–40, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34014-7\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-34014-7_3/).

**Hu:2012:BFC**

- [175] Ninghang Hu, Gwenn Englebienne, and Ben J. A. Kröse. Bayesian fusion of ceiling mounted camera and laser range finder on a mobile robot for people detection and localization. *Lecture Notes in Computer Science*, 7559:41–51, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34014-7\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-34014-7_4/).

**Lim:2012:USD**

- [176] Angelica Lim and Hiroshi G. Okuno. Using speech data to recognize emotion in human gait. *Lecture Notes in Computer Science*, 7559:52–64, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34014-7\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-34014-7_5/).

**Samadani:2012:GDP**

- [177] Ali-Akbar Samadani, Rob Gorbet, and Dana Kulić. Gender differences in the perception of affective movements. *Lecture Notes in Computer Science*, 7559:65–76, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34014-7\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-34014-7_6/).

**Vincze:2012:VDA**

- [178] Laura Vincze, Isabella Poggi, and Francesca D’Errico. Vagueness and dreams: Analysis of body signals in vague dream telling. *Lecture Notes in Computer Science*, 7559:77–89, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34014-7\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-34014-7_7/).

**Mancini:2012:CEB**

- [179] Maurizio Mancini, Giovanna Varni, Donald Glowinski, and Gualtiero Volpe. Computing and evaluating the body laughter index. *Lecture Notes in Computer Science*, 7559:90–98, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34014-7\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-34014-7_8/).

**Sheikhi:2012:RVF**

- [180] Samira Sheikhi and Jean-Marc Odobez. Recognizing the visual focus of attention for human robot interaction. *Lecture Notes in Computer Science*, 7559:99–112, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34014-7\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-34014-7_9/).

**Karreman:2012:CAH**

- [181] Daphne E. Karreman, Elisabeth M. A. G. van Dijk, and Vanessa Evers. Contextual analysis of human non-verbal guide behaviors to inform the development of FROG, the fun robotic outdoor guide. *Lecture Notes in Computer Science*, 7559:113–124, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34014-7\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-34014-7_10/).

**Fischer:2012:GAD**

- [182] Kerstin Fischer and Joe Saunders. Getting acquainted with a developing robot. *Lecture Notes in Computer Science*, 7559:125–133, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34014-7\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-34014-7_11/).

**Mangin:2012:LCS**

- [183] Olivier Mangin and Pierre-Yves Oudeyer. Learning the combinatorial structure of demonstrated behaviors with inverse feedback control. *Lecture Notes in Computer Science*, 7559:134–147, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34014-7\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-34014-7_12/).

**Schillaci:2012:ISB**

- [184] Guido Schillaci, Bruno Lara, and Verena V. Hafner. Internal simulations for behaviour selection and recognition. *Lecture Notes in Computer Science*, 7559:148–160, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34014-7\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-34014-7_13/).

**Michelet:2012:AIA**

- [185] Stéphane Michelet, Koby Karp, Emilie Delaherche, Catherine Achard, and Mohamed Chetouani. Automatic imitation assessment in interaction. *Lecture Notes in Computer Science*, 7559:161–173, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34014-7\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-34014-7_14/).

**Anonymous:2012:BMd**

- [186] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7559:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-34014-7/1>.



**Anonymous:2012:FMj**

- [187] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7559:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34014-7/1>.

**Dang:2012:TSL**

- [188] Han-Hing Dang and Bernhard Möller. Transitive separation logic. *Lecture Notes in Computer Science*, 7560:1–16, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_1/).

**Guttman:2012:ULS**

- [189] Walter Guttman. Unifying lazy and strict computations. *Lecture Notes in Computer Science*, 7560:17–32, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_2/).

**Hofner:2012:FCA**

- [190] Peter Höfner, Bernhard Möller, and Andreas Zelend. Foundations of coloring algebra with consequences for feature-oriented programming. *Lecture Notes in Computer Science*, 7560:33–49, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_3/).

**Dongol:2012:TAR**

- [191] Brijesh Dongol, Ian J. Hayes, Larissa Meinicke, and Kim Solin. Towards an algebra for real-time programs. *Lecture Notes in Computer Science*, 7560:50–65, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_4/).

**Armstrong:2012:ARH**

- [192] Alasdair Armstrong and Georg Struth. Automated reasoning in higher-order regular algebra. *Lecture Notes in Computer Science*, 7560:66–81, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_5/).

**Kahl:2012:TCI**

- [193] Wolfram Kahl. Towards certifiable implementation of graph transformation via relation categories. *Lecture Notes in Computer Science*, 7560:

82–97, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_6/).

**Moreira:2012:DRE**

- [194] Nelma Moreira, David Pereira, and Simão Melo de Sousa. Deciding regular expressions (in-)equivalence in coq. *Lecture Notes in Computer Science*, 7560:98–113, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_7/).

**Berghammer:2012:SRB**

- [195] Rudolf Berghammer and Sebastian Fischer. Simple rectangle-based functional programs for computing reflexive-transitive closures. *Lecture Notes in Computer Science*, 7560:114–129, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_8/).

**Danilenko:2012:URD**

- [196] Nikita Danilenko. Using relations to develop a Haskell program for computing maximum bipartite matchings. *Lecture Notes in Computer Science*, 7560:130–145, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_9/).

**Macedo:2012:RES**

- [197] Nuno Macedo, Hugo Pacheco, and Alcino Cunha. Relations as executable specifications: Taming partiality and non-determinism using invariants. *Lecture Notes in Computer Science*, 7560:146–161, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_10/).

**Kozen:2012:LHC**

- [198] Dexter Kozen and Alexandra Silva. Left-handed completeness. *Lecture Notes in Computer Science*, 7560:162–178, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_11/).

**Laurence:2012:COR**

- [199] Michael R. Laurence and Georg Struth. On completeness of omega-regular algebras. *Lecture Notes in Computer Science*, 7560:179–194, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_12/).

**Jipsen:2012:CAC**

- [200] Peter Jipsen. Categories of algebraic contexts equivalent to idempotent semirings and domain semirings. *Lecture Notes in Computer Science*, 7560:195–206, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_13/).

**Nishizawa:2012:RRT**

- [201] Koki Nishizawa and Hitoshi Furusawa. Relational representation theorem for powerset quantales. *Lecture Notes in Computer Science*, 7560:207–218, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_14/).

**Furusawa:2012:PAD**

- [202] Hitoshi Furusawa and Yasuo Kawahara. Point axioms in Dedekind categories. *Lecture Notes in Computer Science*, 7560:219–234, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_15/).

**Gluck:2012:TOD**

- [203] Roland Glück. Two observations in dioid based model refinement. *Lecture Notes in Computer Science*, 7560:235–247, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_16/).

**Atampore:2012:RAM**

- [204] Francis Atampore and Michael Winter. Relation algebras, matrices, and multi-valued decision diagrams. *Lecture Notes in Computer Science*, 7560:248–263, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_17/).

**Ismail:2012:IPR**

- [205] Sahar Ismail and Ali Jaoua. Incremental pseudo rectangular organization of information relative to a domain. *Lecture Notes in Computer Science*, 7560:264–277, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_18/).

**Schmidt:2012:RCS**

- [206] Gunther Schmidt. Relational concepts in social choice. *Lecture Notes in Computer Science*, 7560:278–293, 2012. CODEN LNCS9. ISSN 0302-

9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_19/).

**Moller:2012:ALC**

- [207] Bernhard Möller and Patrick Rookes. An algebra of layered complex preferences. *Lecture Notes in Computer Science*, 7560:294–309, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33314-9\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33314-9_20/).

**Anonymous:2012:FMk**

- [208] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7560:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33314-9/1>.

**Lopes:2012:GBD**

- [209] Antónia Lopes and José Luiz Fiadeiro. A graph-based design framework for services. *Lecture Notes in Computer Science*, 7562:1–19, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_1/).

**Ruscio:2012:ETH**

- [210] Davide Di Ruscio, Ludovico Iovino, and Alfonso Pierantonio. Evolutionary togetherness: How to manage coupled evolution in metamodeling ecosystems. *Lecture Notes in Computer Science*, 7562:20–37, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_2/).

**Drechsler:2012:CDD**

- [211] Rolf Drechsler, Melanie Diepenbeck, Daniel Große, Ulrich Kühne, and Hoang M. Le. Completeness-driven development. *Lecture Notes in Computer Science*, 7562:38–50, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_3/).

**Gadducci:2012:EUA**

- [212] Fabio Gadducci, Alberto Lluch Lafuente, and Andrea Vandin. Exploiting over- and under-approximations for infinite-state counterpart models. *Lecture Notes in Computer Science*, 7562:51–65, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_4/).

**Rensink:2012:PBG**

- [213] Arend Rensink and Eduardo Zambon. Pattern-based graph abstraction. *Lecture Notes in Computer Science*, 7562:66–80, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_5/).

**König:2012:WSG**

- [214] Barbara König and Jan Stückrath. Well-structured graph transformation systems with negative application conditions. *Lecture Notes in Computer Science*, 7562:81–95, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_6/).

**Heckel:2012:PCS**

- [215] Reiko Heckel, Hartmut Ehrig, Ulrike Golas, and Frank Hermann. Parallelism and concurrency of stochastic graph transformations. *Lecture Notes in Computer Science*, 7562:96–110, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_7/).

**Lowe:2012:RGR**

- [216] Michael Löwe. Refined graph rewriting in span-categories. *Lecture Notes in Computer Science*, 7562:111–125, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_8/).

**Orejas:2012:BCA**

- [217] Fernando Orejas, Artur Boronat, and Nikos Mylonakis. Borrowed contexts for attributed graphs. *Lecture Notes in Computer Science*, 7562:126–140, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_9/).

**Golas:2012:TBG**

- [218] Ulrike Golas, Leen Lambers, Hartmut Ehrig, and Holger Giese. Toward bridging the gap between formal foundations and current practice for triple graph grammars. *Lecture Notes in Computer Science*, 7562:141–155, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_10/).

**Duval:2012:GTF**

- [219] Dominique Duval, Rachid Echahed, and Frédéric Prost. Graph transformation with focus on incident edges. *Lecture Notes in Computer Science*, 7562:156–171, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_11/).

**Aoto:2012:RTR**

- [220] Takahito Aoto and Jeroen Ketema. Rational term rewriting revisited: Decidability and confluence. *Lecture Notes in Computer Science*, 7562:172–186, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_12/).

**Golas:2012:GAC**

- [221] Ulrike Golas. A general attribution concept for models in  $\uparrow$ -adhesive transformation systems. *Lecture Notes in Computer Science*, 7562:187–202, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_13/).

**Heckel:2012:DTO**

- [222] Reiko Heckel. DPO transformation with open maps. *Lecture Notes in Computer Science*, 7562:203–217, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_14/).

**Habel:2012:ATS**

- [223] Annegret Habel and Detlef Plump.  $\mathcal{M}, \mathcal{N}$ -adhesive transformation systems. *Lecture Notes in Computer Science*, 7562:218–233, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_15/).

**Ghamarian:2012:GCG**

- [224] Amir Hossein Ghamarian and Arend Rensink. Generalised compositionality in graph transformation. *Lecture Notes in Computer Science*, 7562:234–248, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_16/).

**Giese:2012:TAV**

- [225] Holger Giese and Leen Lambers. Towards automatic verification of behavior preservation for model transformation via invariant checking. *Lecture*

*Notes in Computer Science*, 7562:249–263, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_17/).

**Blume:2012:ESI**

- [226] Christoph Blume, H. J. Sander Bruggink, Dominik Engelke, and Barbara König. Efficient symbolic implementation of graph automata with applications to invariant checking. *Lecture Notes in Computer Science*, 7562: 264–278, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_18/).

**Khan:2012:TAV**

- [227] Tamim Ahmed Khan, Olga Runge, and Reiko Heckel. Testing against visual contracts: Model-based coverage. *Lecture Notes in Computer Science*, 7562:279–293, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_19/).

**Serbanuta:2012:TCS**

- [228] Traian Florin Şerbănuţă and Grigore Roşu. A truly concurrent semantics for the  $\mathbf{K}$  framework based on graph transformations. *Lecture Notes in Computer Science*, 7562:294–310, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33654-6\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33654-6_20/).

**Anonymous:2012:FMI**

- [229] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7562: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33654-6/1>.

**Anonymous:2012:FMm**

- [230] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7563: 1, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33263-0/1/1>.

**Noss:2012:NLN**

- [231] Richard Noss. 21<sup>st</sup> century learning for 21<sup>st</sup> century skills: What does it mean, and how do we do it? *Lecture Notes in Computer Science*, 7563:3–5, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_1/).

**Anonymous:2012:FMn**

- [232] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7563: 7, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33263-0/2/1>.

**Anjorin:2012:ESI**

- [233] Mojisola Anjorin, Thomas Rodenhausen, Renato Domínguez García, and Christoph Rensing. Exploiting semantic information for graph-based recommendations of learning resources. *Lecture Notes in Computer Science*, 7563:9–22, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_2/).

**Berthold:2012:IEM**

- [234] Marcel Berthold, Adam Moore, Christina M. Steiner, Conor Gaffney, and Declan Dagger. An initial evaluation of metacognitive scaffolding for experiential training simulators. *Lecture Notes in Computer Science*, 7563:23–36, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_3/).

**Bonnard:2012:PIL**

- [235] Quentin Bonnard, Himanshu Verma, Frédéric Kaplan, and Pierre Dillenbourg. Paper interfaces for learning geometry. *Lecture Notes in Computer Science*, 7563:37–50, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_4/).

**Derntl:2012:ETP**

- [236] Michael Derntl and Ralf Klamma. The European TEL projects community from a social network analysis perspective. *Lecture Notes in Computer Science*, 7563:51–64, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_5/).

**Do-Lenh:2012:TDE**

- [237] Son Do-Lenh, Patrick Jermann, Amanda Legge, Guillaume Zufferey, and Pierre Dillenbourg. TinkerLamp 2.0: Designing and evaluating orchestration technologies for the classroom. *Lecture Notes in Computer Science*, 7563:65–78, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_6/).



**Ferrari:2012:UDC**

- [238] Anusca Ferrari, Yves Punie, and Christine Redecker. Understanding digital competence in the 21st century: An analysis of current frameworks. *Lecture Notes in Computer Science*, 7563:79–92, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_7/).

**Gegenfurtner:2012:HCM**

- [239] Andreas Gegenfurtner, Koen Veermans, and Marja Vauras. How CSCL moderates the influence of self-efficacy on students' transfer of learning. *Lecture Notes in Computer Science*, 7563:93–102, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_8/).

**Gehlen-Baum:2012:NFH**

- [240] Vera Gehlen-Baum and Armin Weinberger. Notebook or facebook? How students actually use mobile devices in large lectures. *Lecture Notes in Computer Science*, 7563:103–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_9/).

**Rojas:2012:EOL**

- [241] Israel Gutiérrez Rojas, Raquel M. Crespo García, and Carlos Delgado Kloos. Enhancing orchestration of lab sessions by means of awareness mechanisms. *Lecture Notes in Computer Science*, 7563:113–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_10/).

**Hadersberger:2012:DAB**

- [242] Julia Hadersberger, Alexander Pohl, and François Bry. Discerning actuality in backstage. *Lecture Notes in Computer Science*, 7563:126–139, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_11/).

**Hauff:2012:TRM**

- [243] Claudia Hauff, Marcel Berthold, Geert-Jan Houben, Christina M. Steiner, and Dietrich Albert. Tweets reveal more than you know: a learning style analysis on Twitter. *Lecture Notes in Computer Science*, 7563:140–152, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_12/).

**Hsiao:2012:MSV**

- [244] I.-Han Hsiao and Peter Brusilovsky. Motivational social visualizations for personalized E-learning. *Lecture Notes in Computer Science*, 7563:153–165, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_13/).

**Hussaan:2012:GAL**

- [245] Aarij Mahmood Hussaan and Karim Sehaba. Generator of adaptive learning scenarios: Design and evaluation in the project CLES. *Lecture Notes in Computer Science*, 7563:166–179, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_14/).

**Kaschig:2012:TOA**

- [246] Andreas Kaschig, Ronald Maier, Alexander Sandow, Alan Brown, and Tobias Ley. Technological and organizational arrangements sparking effects on individual, community and organizational learning. *Lecture Notes in Computer Science*, 7563:180–193, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_15/).

**Law:2012:SRE**

- [247] Effie Lai-Chong Law, Arunangsu Chatterjee, Dominik Renzel, and Ralf Klamma. The social requirements engineering (SRE) approach to developing a large-scale personal learning environment infrastructure. *Lecture Notes in Computer Science*, 7563:194–207, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_16/).

**Marne:2012:SFS**

- [248] Bertrand Marne, John Wisdom, Benjamin Huynh-Kim-Bang, and Jean-Marc Labat. The six facets of serious game design: a methodology enhanced by our design pattern library. *Lecture Notes in Computer Science*, 7563:208–221, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_17/).

**McLaren:2012:EHE**

- [249] Bruce M. McLaren, Deanne Adams, Kelley Durkin, George Gogwadze, and Richard E. Mayer. To err is human, to explain and correct is divine: a study of interactive erroneous examples with middle school math students. *Lecture Notes in Computer Science*, 7563:222–235, 2012. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_18/).

**Mehm:2012:ATA**

- [250] Florian Mehm, Johannes Konert, Stefan Göbel, and Ralf Steinmetz. An authoring tool for adaptive digital educational games. *Lecture Notes in Computer Science*, 7563:236–249, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_19/).

**Michel:2012:DRP**

- [251] Christine Michel, Elise Lavoué, and Laurent Pietrac. A dashboard to regulate project-based learning. *Lecture Notes in Computer Science*, 7563:250–263, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33263-0\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33263-0_20/).

**Anonymous:2012:FMo**

- [252] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7563:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33263-0/1>.

**Bodei:2012:FSU**

- [253] Chiara Bodei, Pierpaolo Degano, Gian-Luigi Ferrari, and Letterio Galletta. Formalising security in ubiquitous and cloud scenarios. *Lecture Notes in Computer Science*, 7564:1–29, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_1/).

**Cho:2012:DSC**

- [254] Young Im Cho. Designing smart cities: Security issues. *Lecture Notes in Computer Science*, 7564:30–40, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_2/).

**Hyla:2012:CBE**

- [255] Tomasz Hyla and Jerzy Pejaś. Certificate-based encryption scheme with general access structure. *Lecture Notes in Computer Science*, 7564:41–55, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_3/).

**Homsirikamol:2012:SME**

- [256] Ekawat HomSirikamol, Paweł Morawiecki, Marcin Rogawski, and Marjan Srebrny. Security margin evaluation of SHA-3 contest finalists through SAT-based attacks. *Lecture Notes in Computer Science*, 7564:56–67, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_4/).

**Um-e-Ghazia:2012:UCM**

- [257] Um e Ghazia, Rahat Masood, Muhammad Awais Shibli, and Muhammad Bilal. Usage control model specification in XACML policy language. *Lecture Notes in Computer Science*, 7564:68–79, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_5/).

**Deb:2012:TTB**

- [258] Novarun Deb and Nabendu Chaki. TIDS: Trust-based intrusion detection system for wireless ad-hoc networks. *Lecture Notes in Computer Science*, 7564:80–91, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_6/).

**Gajdos:2012:IDC**

- [259] Petr Gajdoš and Pavel Moravec. Intruder data classification using GM-SOM. *Lecture Notes in Computer Science*, 7564:92–100, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_7/).

**Drazdilova:2012:MIS**

- [260] Pavla Dráždilová, Alisa Babskova, Jan Martinovič, Kateřina Slaninová, and Štěpán Minks. Method for identification of suitable persons in collaborators' networks. *Lecture Notes in Computer Science*, 7564:101–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_8/).

**Dasgupta:2012:GBF**

- [261] Subhasis Dasgupta and Aditya Bagchi. A graph-based formalism for controlling access to a digital library ontology. *Lecture Notes in Computer Science*, 7564:111–122, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_9/).

**Poniszewska-Maranda:2012:RAA**

- [262] Aneta Poniszewska-Maranda. Role approach in access control development with the usage control concept. *Lecture Notes in Computer Science*, 7564:123–134, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_10/).

**Misztal:2012:NAR**

- [263] Krzysztof Misztal, Jacek Tabor, and Khalid Saeed. A new algorithm for rotation detection in Iris pattern recognition. *Lecture Notes in Computer Science*, 7564:135–145, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_11/).

**Kozera:2012:ORL**

- [264] Ryszard Kozera and Jacek Tchorzewski. Outlier removal in 2D leap frog algorithm. *Lecture Notes in Computer Science*, 7564:146–157, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_12/).

**Doroz:2012:DSR**

- [265] Rafal Doroz and Krzysztof Wrobel. Dynamic signature recognition based on modified Windows technique. *Lecture Notes in Computer Science*, 7564:158–167, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_13/).

**Albarelli:2012:RNR**

- [266] Andrea Albarelli, Filippo Bergamasco, and Andrea Torsello. Rigid and non-rigid shape matching for mechanical components retrieval. *Lecture Notes in Computer Science*, 7564:168–179, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_14/).

**Cyganek:2012:EEE**

- [267] Bogusław Cyganek. Embedding of the extended Euclidean distance into pattern recognition with higher-order singular value decomposition of prototype tensors. *Lecture Notes in Computer Science*, 7564:180–190, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_15/).

**Porwik:2012:DVB**

- [268] Piotr Porwik and Tomasz Orczyk. DTW and voting-based lip print recognition system. *Lecture Notes in Computer Science*, 7564:191–202, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_16/).

**Rybnik:2012:AKD**

- [269] Mariusz Rybnik, Piotr Panasiuk, Khalid Saeed, and Marcin Rogowski. Advances in the keystroke dynamics: The practical impact of database quality. *Lecture Notes in Computer Science*, 7564:203–214, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_17/).

**Penhaker:2012:AIB**

- [270] Marek Penhaker, Petr Klimes, Jakub Pindor, and David Korpas. Advanced intracardial biosignal processing. *Lecture Notes in Computer Science*, 7564:215–223, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_18/).

**Mliki:2012:MCF**

- [271] Hazar Mliki, Mohamed Hammami, and Hanène Ben-Abdallah. Multi-constraints face detect-track system. *Lecture Notes in Computer Science*, 7564:224–235, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_19/).

**Augustynek:2012:UDP**

- [272] Martin Augustynek, Ondrej Adamec, and David Micanik. Using a differential pressure sensor as spirometer. *Lecture Notes in Computer Science*, 7564:236–241, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33260-9\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33260-9_20/).

**Anonymous:2012:FMp**

- [273] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7564:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33260-9/1>.

**Raedt:2012:DMM**

- [274] Luc De Raedt. Declarative modeling for machine learning and data mining. *Lecture Notes in Computer Science*, 7569:1, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33492-4\\_1](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33492-4_1).

**Calders:2012:RDP**

- [275] Toon Calders. Recent developments in pattern mining. *Lecture Notes in Computer Science*, 7569:2, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33492-4\\_2](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33492-4_2).

**Ritschard:2012:ESD**

- [276] Gilbert Ritschard. Exploring sequential data. *Lecture Notes in Computer Science*, 7569:3–6, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_3/).

**Khoa:2012:LSS**

- [277] Nguyen Lu Dang Khoa and Sanjay Chawla. Large scale spectral clustering using resistance distance and Spielman–Teng solvers. *Lecture Notes in Computer Science*, 7569:7–21, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_4/).

**Alquier:2012:PQS**

- [278] Pierre Alquier and Xiaoyin Li. Prediction of quantiles by statistical learning and application to GDP forecasting. *Lecture Notes in Computer Science*, 7569:22–36, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_5/).

**Maes:2012:PSS**

- [279] Francis Maes, Raphael Fonteneau, Louis Wehenkel, and Damien Ernst. Policy search in a space of simple closed-form formulas: Towards interpretability of reinforcement learning. *Lecture Notes in Computer Science*, 7569:37–51, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_6/).

**Galbrun:2012:TFR**

- [280] Esther Galbrun and Angelika Kimmig. Towards finding relational redescrptions. *Lecture Notes in Computer Science*, 7569:52–66,

2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_7/).

**Gamberger:2012:DMS**

- [281] Dragan Gamberger, Dražen Lučanin, and Tomislav Šmuc. Descriptive modeling of systemic banking crises. *Lecture Notes in Computer Science*, 7569:67–80, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_8/).

**Makino:2012:TDB**

- [282] Shunsuke Makino, Takaharu Shimada, Kouichi Hirata, Kouki Yonezawa, and Kimihito Ito. A trim distance between positions in nucleotide sequences. *Lecture Notes in Computer Science*, 7569:81–94, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_9/).

**Suzuki:2012:DSH**

- [283] Einoshin Suzuki, Emi Matsumoto, and Asuki Kouno. Data squashing for HSV subimages by an autonomous mobile robot. *Lecture Notes in Computer Science*, 7569:95–109, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_10/).

**Desmier:2012:CCE**

- [284] Elise Desmier, Marc Plantevit, Céline Robardet, and Jean-François Boulicaut. Cohesive co-evolution patterns in dynamic attributed graphs. *Lecture Notes in Computer Science*, 7569:110–124, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_11/).

**Li:2012:ERR**

- [285] Rui Li and Stefan Kramer. Efficient redundancy reduced subgroup discovery via quadratic programming. *Lecture Notes in Computer Science*, 7569:125–138, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_12/).

**Nogueira:2012:HSS**

- [286] Bruno M. Nogueira, Alípio M. Jorge, and Solange O. Rezende. HCAC: Semi-supervised hierarchical clustering using confidence-based active learning. *Lecture Notes in Computer Science*, 7569:139–153,



2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_13/).

**Dai:2012:LCL**

- [287] Bi-Ru Dai and Chih-Heng Chung. LF-CARS: a loose fragment-based consensus clustering algorithm with a robust similarity. *Lecture Notes in Computer Science*, 7569:154–168, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_14/).

**Tabata:2012:FAA**

- [288] Koji Tabata, Atsuyoshi Nakamura, and Mineichi Kudo. Fast approximation algorithm for the 1-median problem. *Lecture Notes in Computer Science*, 7569:169–183, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_15/).

**deRuijter:2012:OCR**

- [289] Tom de Ruijter, Evgeni Tsivtsivadze, and Tom Heskes. Online co-regularized algorithms. *Lecture Notes in Computer Science*, 7569:184–193, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_16/).

**Adhikari:2012:FPT**

- [290] Prem Raj Adhikari and Jaakko Hollmén. Fast progressive training of mixture models for model selection. *Lecture Notes in Computer Science*, 7569:194–208, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_17/).

**Fabregue:2012:ISR**

- [291] Mickaël Fabrègue, Agnès Braud, Sandra Bringay, Florence Le Ber, and Maguelonne Teisseire. Including spatial relations and scales within sequential pattern extraction. *Lecture Notes in Computer Science*, 7569:209–223, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_18/).

**Ferreira:2012:PRE**

- [292] Carlos Abreu Ferreira, João Gama, Vítor Santos Costa, Vladimiro Miranda, and Audun Botterud. Predicting ramp events with a stream-based HMM framework. *Lecture Notes in Computer Science*, 7569:

224–238, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_19/).

**Saito:2012:BDS**

- [293] Kazumi Saito, Kouzou Ohara, Masahiro Kimura, and Hiroshi Motoda. Burst detection in a sequence of tweets based on information diffusion model. *Lecture Notes in Computer Science*, 7569:239–253, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33492-4\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33492-4_20/).

**Anonymous:2012:FMq**

- [294] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7569:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33492-4/1>.

**Guizard:2012:STR**

- [295] Nicolas Guizard, Vladimir S. Fonov, Daniel García-Lorenzo, and Bérengère Aubert-Broche. Spatio-temporal regularization for longitudinal registration to an unbiased 3D individual template. *Lecture Notes in Computer Science*, 7570:1–12, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33555-6\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33555-6_1/).

**Fiot:2012:LVG**

- [296] Jean-Baptiste Fiot, Laurent Risser, Laurent D. Cohen, and Jurgen Fripp. Local vs global descriptors of hippocampus shape evolution for Alzheimer’s longitudinal population analysis. *Lecture Notes in Computer Science*, 7570:13–24, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33555-6\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33555-6_2/).

**Duchateau:2012:WRF**

- [297] Nicolas Duchateau, Mathieu De Craene, Xavier Pennec, Beatriz Merino, and Marta Sitges. Which reorientation framework for the atlas-based comparison of motion from cardiac image sequences? *Lecture Notes in Computer Science*, 7570:25–37, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33555-6\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33555-6_3/).

**Pearlman:2012:EDC**

- [298] Paul C. Pearlman, Ivana Išgum, Karina J. Kersbergen, and Manon J. N. L. Benders. Elastic demons: Characterizing cortical development in

neonates using an implicit surface registration. *Lecture Notes in Computer Science*, 7570:38–49, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33555-6\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33555-6_4/).

**Aubert-Broche:2012:NFA**

- [299] Bérengère Aubert-Broche, Vladimir S. Fonov, Daniel García-Lorenzo, and Abderazzak Mouiha. A new framework for analyzing structural volume changes of longitudinal brain MRI data. *Lecture Notes in Computer Science*, 7570:50–62, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33555-6\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33555-6_5/).

**Wang:2012:SLB**

- [300] Li Wang, Feng Shi, Gang Li, and Dinggang Shen. 4D segmentation of longitudinal brain MR images with consistent cortical thickness measurement. *Lecture Notes in Computer Science*, 7570:63–75, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33555-6\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33555-6_6/).

**Datar:2012:MES**

- [301] Manasi Datar, Prasanna Muralidharan, Abhishek Kumar, Sylvain Goutard, and Joseph Piven. Mixed-effects shape models for estimating longitudinal changes in anatomy. *Lecture Notes in Computer Science*, 7570:76–87, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33555-6\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33555-6_7/).

**Serag:2012:ULS**

- [302] Ahmed Serag, Ioannis S. Gousias, Antonios Makropoulos, Paul Aljabar, and Joseph V. Hajnal. Unsupervised learning of shape complexity: Application to brain development. *Lecture Notes in Computer Science*, 7570:88–99, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33555-6\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33555-6_8/).

**Jiao:2012:STP**

- [303] Jieqing Jiao, Graham E. Searle, Andri C. Tziortzi, Cristian A. Salinas, and Roger N. Gunn. Spatial-temporal pharmacokinetic model based registration of 4D brain PET data. *Lecture Notes in Computer Science*, 7570:100–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33555-6\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33555-6_9/).

**Stretton:2012:PLG**

- [304] Erin Stretton, Emmanuel Mandonnet, Ezequiel Geremia, Bjoern H. Menze, and Hervé Delingette. Predicting the location of glioma recurrence after a resection surgery. *Lecture Notes in Computer Science*, 7570: 113–123, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33555-6\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33555-6_10/).

**Chitphakdithai:2012:TMB**

- [305] Nicha Chitphakdithai, Veronica L. Chiang, and James S. Duncan. Tracking metastatic brain tumors in longitudinal scans via joint image registration and labeling. *Lecture Notes in Computer Science*, 7570:124–136, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33555-6\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33555-6_11/).

**Liu:2012:MBS**

- [306] Xiaofeng Liu and Dirk Padfield. Motion-based segmentation for cardiomyocyte characterization. *Lecture Notes in Computer Science*, 7570: 137–146, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33555-6\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33555-6_12/).

**Narayanaswamy:2012:MTG**

- [307] Arunachalam Narayanaswamy, Amine Merouane, Antonio Peixoto, Ena Ladi, and Paul Herzmark. Multi-temporal globally-optimal dense 3-D cell segmentation and tracking from multi-photon time-lapse movies of live tissue microenvironments. *Lecture Notes in Computer Science*, 7570: 147–162, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33555-6\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33555-6_13/).

**Anonymous:2012:BMe**

- [308] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7570: ??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-33555-6/1>.

**Anonymous:2012:FMr**

- [309] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7570: ??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33555-6/1>.

**Freifeld:2012:LBM**

- [310] Oren Freifeld and Michael J. Black. Lie bodies: a manifold representation of 3D human shape. *Lecture Notes in Computer Science*, 7572: 1–14, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_1/).

**Li:2012:WPE**

- [311] Yunpeng Li, Noah Snavely, Dan Huttenlocher, and Pascal Fua. World-wide pose estimation using 3D point clouds. *Lecture Notes in Computer Science*, 7572:15–29, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_2/).

**Beeler:2012:IRD**

- [312] Thabo Beeler, Derek Bradley, Henning Zimmer, and Markus Gross. Improved reconstruction of deforming surfaces by cancelling ambient occlusion. *Lecture Notes in Computer Science*, 7572:30–43, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_3/).

**Liu:2012:SDO**

- [313] Junbin Liu, Clinton Fookes, Tim Wark, and Sridha Sridharan. On the statistical determination of optimal camera configurations in large scale surveillance networks. *Lecture Notes in Computer Science*, 7572: 44–57, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_4/).

**Oxholm:2012:SGT**

- [314] Geoffrey Oxholm, Prabin Bariya, and Ko Nishino. The scale of geometric texture. *Lecture Notes in Computer Science*, 7572:58–71, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_5/).

**Valmadre:2012:EAT**

- [315] Jack Valmadre, Yingying Zhu, Sridha Sridharan, and Simon Lucey. Efficient articulated trajectory reconstruction using dynamic programming and filters. *Lecture Notes in Computer Science*, 7572:72–85, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_6/).

**Bao:2012:OCD**

- [316] Sid Yingze Bao, Yu Xiang, and Silvio Savarese. Object co-detection. *Lecture Notes in Computer Science*, 7572:86–101, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_7/).

**Li:2012:MDF**

- [317] Shaoxin Li, Xin Liu, Xiujuan Chai, Haihong Zhang, Shihong Lao, and Shiguang Shan. Morphable displacement field based image matching for face recognition across pose. *Lecture Notes in Computer Science*, 7572:102–115, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_8/).

**Khamis:2012:CPF**

- [318] Sameh Khamis, Vlad I. Morariu, and Larry S. Davis. Combining per-frame and per-track cues for multi-person action recognition. *Lecture Notes in Computer Science*, 7572:116–129, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_9/).

**Lucchi:2012:JIW**

- [319] Aurelien Lucchi and Jason Weston. Joint image and word sense discrimination for image retrieval. *Lecture Notes in Computer Science*, 7572:130–143, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_10/).

**Rohrbach:2012:SDA**

- [320] Marcus Rohrbach, Michaela Regneri, Mykhaylo Andriluka, Sikandar Amin, and Manfred Pinkal. Script data for attribute-based recognition of composite activities. *Lecture Notes in Computer Science*, 7572:144–157, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_11/).

**Khosla:2012:UDD**

- [321] Aditya Khosla, Tinghui Zhou, Tomasz Malisiewicz, Alexei A. Efros, and Antonio Torralba. Undoing the damage of dataset bias. *Lecture Notes in Computer Science*, 7572:158–171, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_12/).

**Liu:2012:DBC**

- [322] Jiongxin Liu, Angjoo Kanazawa, David Jacobs, and Peter Belhumeur. Dog breed classification using part localization. *Lecture Notes in Computer Science*, 7572:172–185, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_13/).

**Kong:2012:DLA**

- [323] Shu Kong and Donghui Wang. A dictionary learning approach for classification: Separating the particularity and the commonality. *Lecture Notes in Computer Science*, 7572:186–199, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_14/).

**Holzer:2012:LED**

- [324] Stefan Holzer, Jamie Shotton, and Pushmeet Kohli. Learning to efficiently detect repeatable interest points in depth data. *Lecture Notes in Computer Science*, 7572:200–213, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_15/).

**Fernando:2012:EUf**

- [325] Basura Fernando, Elisa Fromont, and Tinne Tuytelaars. Effective use of frequent itemset mining for image classification. *Lecture Notes in Computer Science*, 7572:214–227, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_16/).

**Trzcinski:2012:EDP**

- [326] Tomasz Trzcinski and Vincent Lepetit. Efficient discriminative projections for compact binary descriptors. *Lecture Notes in Computer Science*, 7572:228–242, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_17/).

**Simonyan:2012:DLU**

- [327] Karen Simonyan, Andrea Vedaldi, and Andrew Zisserman. Descriptor learning using convex optimisation. *Lecture Notes in Computer Science*, 7572:243–256, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_18/).

**Narayanan:2012:BPO**

- [328] Maruthi Narayanan and Benjamin Kimia. Bottom-up perceptual organization of images into object part hypotheses. *Lecture Notes in Computer Science*, 7572:257–271, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_19/).

**Kim:2012:MGC**

- [329] Kwang In Kim, James Tompkin, Martin Theobald, Jan Kautz, and Christian Theobald. Match graph construction for large image databases. *Lecture Notes in Computer Science*, 7572:272–285, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33718-5\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33718-5_20/).

**Anonymous:2012:FMs**

- [330] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7572:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33718-5/1>.

**Hinkle:2012:PRR**

- [331] Jacob Hinkle, Prasanna Muralidharan, P. Thomas Fletcher, and Sarang Joshi. Polynomial regression on Riemannian manifolds. *Lecture Notes in Computer Science*, 7574:1–14, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_1/).

**Avrithis:2012:AGM**

- [332] Yannis Avrithis and Yannis Kalantidis. Approximate Gaussian mixtures for large scale vocabularies. *Lecture Notes in Computer Science*, 7574:15–28, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_2/).

**Wei:2012:GSU**

- [333] Yichen Wei, Fang Wen, Wangjiang Zhu, and Jian Sun. Geodesic saliency using background priors. *Lecture Notes in Computer Science*, 7574:29–42, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_3/).



**Smith:2012:JFA**

- [334] Brandon M. Smith and Li Zhang. Joint face alignment with non-parametric shape models. *Lecture Notes in Computer Science*, 7574: 43–56, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_4/).

**Martins:2012:DBA**

- [335] Pedro Martins, Rui Caseiro, João F. Henriques, and Jorge Batista. Discriminative Bayesian active shape models. *Lecture Notes in Computer Science*, 7574:57–70, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_5/).

**Aodha:2012:PBS**

- [336] Oisín Mac Aodha, Neill D. F. Campbell, Arun Nair, and Gabriel J. Brostow. Patch based synthesis for single depth image super-resolution. *Lecture Notes in Computer Science*, 7574:71–84, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_6/).

**Rubinstein:2012:APL**

- [337] Michael Rubinstein, Ce Liu, and William T. Freeman. Annotation propagation in large image databases via dense image correspondence. *Lecture Notes in Computer Science*, 7574:85–99, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_7/).

**Kuang:2012:NSO**

- [338] Yubin Kuang and Kalle Åström. Numerically stable optimization of polynomial solvers for minimal problems. *Lecture Notes in Computer Science*, 7574:100–113, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_8/).

**Jammalamadaka:2012:MAS**

- [339] Nataraj Jammalamadaka, Andrew Zisserman, Marcin Eichner, and Vittorio Ferrari. Has my algorithm succeeded? An evaluator for human pose estimators. *Lecture Notes in Computer Science*, 7574:114–128, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_9/).

**Duan:2012:GTE**

- [340] Genquan Duan, Haizhou Ai, Song Cao, and Shihong Lao. Group tracking: Exploring mutual relations for multiple object tracking. *Lecture Notes in Computer Science*, 7574:129–143, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_10/).

**Kausler:2012:DCG**

- [341] Bernhard X. Kausler, Martin Schiegg, Bjoern Andres, Martin Lindner, and Ullrich Koethe. A discrete chain graph model for  $3d + t$  cell tracking with high misdetection robustness. *Lecture Notes in Computer Science*, 7574:144–157, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_11/).

**Yao:2012:RTW**

- [342] Rui Yao, Qinfeng Shi, Chunhua Shen, Yanning Zhang, and Anton van den Hengel. Robust tracking with weighted online structured learning. *Lecture Notes in Computer Science*, 7574:158–172, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_12/).

**Rosman:2012:FRM**

- [343] Guy Rosman, Yu Wang, Xue-Cheng Tai, Ron Kimmel, and Alfred M. Bruckstein. Fast regularization of matrix-valued images. *Lecture Notes in Computer Science*, 7574:173–186, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_13/).

**Schuler:2012:BCO**

- [344] Christian J. Schuler, Michael Hirsch, Stefan Harmeling, and Bernhard Schölkopf. Blind correction of optical aberrations. *Lecture Notes in Computer Science*, 7574:187–200, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_14/).

**Aldrian:2012:IRF**

- [345] Oswald Aldrian and William A. P. Smith. Inverse rendering of faces on a cloudy day. *Lecture Notes in Computer Science*, 7574:201–214, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_15/).

**Aastrom:2012:TBP**

- [346] Freddie Åström, George Baravdish, and Michael Felsberg. On tensor-based PDEs and their corresponding variational formulations with application to color image denoising. *Lecture Notes in Computer Science*, 7574: 215–228, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_16/).

**Gong:2012:KTC**

- [347] Dian Gong, Gérard Medioni, Sikai Zhu, and Xuemei Zhao. Kernelized temporal cut for online temporal segmentation and recognition. *Lecture Notes in Computer Science*, 7574:229–243, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_17/).

**Cao:2012:GSS**

- [348] Yu Cao, Lili Ju, and Song Wang. Grain segmentation of 3D superalloy images using multichannel EWCVT under human annotation constraints. *Lecture Notes in Computer Science*, 7574:244–257, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_18/).

**Riemenschneider:2012:HRJ**

- [349] Hayko Riemenschneider, Sabine Sternig, Michael Donoser, Peter M. Roth, and Horst Bischof. Hough regions for joining instance localization and segmentation. *Lecture Notes in Computer Science*, 7574: 258–271, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_19/).

**Kowdle:2012:LSV**

- [350] Adarsh Kowdle and Tsuhan Chen. Learning to segment a video to clips based on scene and camera motion. *Lecture Notes in Computer Science*, 7574:272–286, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33712-3\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33712-3_20/).

**Anonymous:2012:FMt**

- [351] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7574: ??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33712-3/1>.

**Sharma:2012:LHO**

- [352] Gaurav Sharma, Sibte ul Hussain, and Frédéric Jurie. Local higher-order statistics (LHS) for texture categorization and facial analysis. *Lecture Notes in Computer Science*, 7578:1–12, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_1/).

**VandenBergh:2012:SSE**

- [353] Michael Van den Bergh, Xavier Boix, Gemma Roig, Benjamin de Capitani, and Luc Van Gool. SEEDS: Superpixels extracted via energy-driven sampling. *Lecture Notes in Computer Science*, 7578:13–26, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_2/).

**Köhler:2012:RPC**

- [354] Rolf Köhler, Michael Hirsch, Betty Mohler, Bernhard Schölkopf, and Stefan Harmeling. Recording and playback of camera shake: Benchmarking blind deconvolution with a real-world database. *Lecture Notes in Computer Science*, 7578:27–40, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_3/).

**Tsogkas:2012:LBS**

- [355] Stavros Tsogkas and Iasonas Kokkinos. Learning-based symmetry detection in natural images. *Lecture Notes in Computer Science*, 7578:41–54, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_4/).

**Shapovalova:2012:SCL**

- [356] Nataliya Shapovalova, Arash Vahdat, Kevin Cannons, Tian Lan, and Greg Mori. Similarity constrained latent support vector machine: An application to weakly supervised action classification. *Lecture Notes in Computer Science*, 7578:55–68, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_5/).

**Direkoglu:2012:TAR**

- [357] Cem Direkoglu and Noel E. O’Connor. Team activity recognition in sports. *Lecture Notes in Computer Science*, 7578:69–83, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_6/).

**Vig:2012:SVD**

- [358] Eleonora Vig, Michael Dorr, and David Cox. Space-variant descriptor sampling for action recognition based on saliency and eye movements. *Lecture Notes in Computer Science*, 7578:84–97, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_7/).

**Nicolaou:2012:DPC**

- [359] Mihalis A. Nicolaou, Vladimir Pavlovic, and Maja Pantic. Dynamic probabilistic CCA for analysis of affective behaviour. *Lecture Notes in Computer Science*, 7578:98–111, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_8/).

**Jancsary:2012:LST**

- [360] Jeremy Jancsary, Sebastian Nowozin, and Carsten Rother. Loss-specific training of non-parametric image restoration models: a new state of the art. *Lecture Notes in Computer Science*, 7578:112–125, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_9/).

**Wang:2012:PAR**

- [361] Naiyan Wang, Tiansheng Yao, Jingdong Wang, and Dit-Yan Yeung. A probabilistic approach to robust matrix factorization. *Lecture Notes in Computer Science*, 7578:126–139, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_10/).

**Patz:2012:FPS**

- [362] Torben Pätz and Tobias Preusser. Fast parameter sensitivity analysis of PDE-based image processing methods. *Lecture Notes in Computer Science*, 7578:140–153, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_11/).

**Andres:2012:LFE**

- [363] Bjoern Andres, Jörg H. Kappes, Thorsten Beier, Ullrich Köthe, and Fred A. Hamprecht. The lazy flipper: Efficient depth-limited exhaustive search in discrete graphical models. *Lecture Notes in Computer Science*, 7578:154–166, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_12/).

**Du:2012:FAA**

- [364] Ming Du and Rama Chellappa. Face association across unconstrained video frames using conditional random fields. *Lecture Notes in Computer Science*, 7578:167–180, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_13/).

**Woodford:2012:CMG**

- [365] Oliver J. Woodford, Minh-Tri Pham, Atsuto Maki, Riccardo Gherardi, and Frank Perbet. Contraction moves for geometric model fitting. *Lecture Notes in Computer Science*, 7578:181–194, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_14/).

**StreLOW:2012:GNW**

- [366] Dennis StreLOW. General and nested Wiberg minimization:  $L_2$  and maximum likelihood. *Lecture Notes in Computer Science*, 7578:195–207, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_15/).

**Strekalovskiy:2012:NPC**

- [367] Evgeny Strekalovskiy, Claudia Nieuwenhuis, and Daniel Cremers. Non-metric priors for continuous multilabel optimization. *Lecture Notes in Computer Science*, 7578:208–221, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_16/).

**Handa:2012:RTC**

- [368] Ankur Handa, Richard A. Newcombe, Adrien Angeli, and Andrew J. Davison. Real-time camera tracking: When is high frame-rate best? *Lecture Notes in Computer Science*, 7578:222–235, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_17/).

**Tappen:2012:BAA**

- [369] Marshall F. Tappen and Ce Liu. A Bayesian approach to alignment-based image hallucination. *Lecture Notes in Computer Science*, 7578:236–249, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_18/).

**Sanchez-Lozano:2012:CRN**

- [370] Enrique Sánchez-Lozano, Fernando De la Torre, and Daniel González-Jiménez. Continuous regression for non-rigid image alignment. *Lecture Notes in Computer Science*, 7578:250–263, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_19/).

**Rouhani:2012:NRS**

- [371] Mohammad Rouhani and Angel D. Sappa. Non-rigid shape registration: a single linear least squares framework. *Lecture Notes in Computer Science*, 7578:264–277, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33786-4\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33786-4_20/).

**Anonymous:2012:FMu**

- [372] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7578:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33786-4/1>.

**Aichholzer:2012:GH**

- [373] Oswin Aichholzer, Thomas Hackl, and Birgit Vogtenhuber. On 5-gons and 5-holes. *Lecture Notes in Computer Science*, 7579:1–13, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_1/).

**Akiyama:2012:RAP**

- [374] Jin Akiyama, Ikuro Sato, and Hyunwoo Seong. On reversibility among parallelhedra. *Lecture Notes in Computer Science*, 7579:14–28, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_2/).

**Bose:2012:HFC**

- [375] Prosenjit Bose and Sander Verdonschot. A history of flips in combinatorial triangulations. *Lecture Notes in Computer Science*, 7579:29–44, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_3/).

**Pach:2012:TT**

- [376] János Pach, Radoš Radoičić, and Géza Tóth. Tangled thrackles. *Lecture Notes in Computer Science*, 7579:45–53, 2012. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_4/).

**Toth:2012:OGE**

- [377] Csaba D. Tóth, Godfried T. Toussaint, and Andrew Winslow. Open guard edges and edge guards in simple polygons. *Lecture Notes in Computer Science*, 7579:54–64, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_5/).

**ORourke:2012:SWR**

- [378] Joseph O’Rourke. String-wrapped rotating disks. *Lecture Notes in Computer Science*, 7579:65–78, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_6/).

**Fabila-Monroy:2012:CNC**

- [379] Ruy Fabila-Monroy and David R. Wood. The chromatic number of the convex segment disjointness graph. *Lecture Notes in Computer Science*, 7579:79–84, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_7/).

**Itoh:2012:CFC**

- [380] Jin ichi Itoh, Chie Nara, and Costin Vilcu. Continuous flattening of convex polyhedra. *Lecture Notes in Computer Science*, 7579:85–97, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_8/).

**Aichholzer:2012:CMP**

- [381] Oswin Aichholzer, Mario Cetina, Ruy Fabila-Monroy, and Jesús Leaños. Convexifying monotone polygons while maintaining internal visibility. *Lecture Notes in Computer Science*, 7579:98–108, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_9/).

**Diaz-Banez:2012:NRO**

- [382] José M. Díaz-Báñez, Ruy Fabila-Monroy, and Pablo Pérez-Lantero. On the number of radial orderings of colored planar point sets. *Lecture Notes in Computer Science*, 7579:109–118, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_10/).



**Omana-Pulido:2012:NTG**

- [383] Elsa Omana-Pulido and Eduardo Rivera-Campo. Notes on the twisted graph. *Lecture Notes in Computer Science*, 7579:119–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_11/).

**Diaz-Banez:2012:LSF**

- [384] José Miguel Díaz-Báñez, Matias Korman, and Pablo Pérez-Lantero. Locating a service facility and a rapid transit line. *Lecture Notes in Computer Science*, 7579:126–137, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_12/).

**Souvaine:2012:SFE**

- [385] Diane L. Souvaine, Csaba D. Tóth, and Andrew Winslow. Simultaneously flippable edges in triangulations. *Lecture Notes in Computer Science*, 7579:138–145, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_13/).

**Iwerks:2012:SSP**

- [386] Justin Iwerks and Joseph S. B. Mitchell. Spiral serpentine polygonization of a planar point set. *Lecture Notes in Computer Science*, 7579:146–154, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_14/).

**Diaz-Banez:2012:CHP**

- [387] José Miguel Díaz-Báñez, Matias Korman, and Pablo Pérez-Lantero. The 1-center and 1-highway problem. *Lecture Notes in Computer Science*, 7579:155–165, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_15/).

**Caceres:2012:CGR**

- [388] José Cáceres, Carmen Cortés, and Clara Isabel Grima. Compact grid representation of graphs. *Lecture Notes in Computer Science*, 7579:166–174, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_16/).

**Sakai:2012:HID**

- [389] Toshinori Sakai and Jorge Urrutia. On the heaviest increasing or decreasing subsequence of a permutation, and paths and matchings on weighted point sets. *Lecture Notes in Computer Science*, 7579:175–184, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_17/).

**Demaine:2012:GSU**

- [390] Erik D. Demaine and Anna Lubiw. A generalization of the source unfolding of convex polyhedra. *Lecture Notes in Computer Science*, 7579:185–199, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_18/).

**Angelini:2012:LAC**

- [391] Patrizio Angelini, Giuseppe Di Battista, and Walter Didimo. Large angle crossing drawings of planar graphs in subquadratic area. *Lecture Notes in Computer Science*, 7579:200–209, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_19/).

**Abellanas:2012:CRC**

- [392] Manuel Abellanas, Antonio L. Bajuelos, and Santiago Canales. Connecting red cells in a bicolour Voronoi diagram. *Lecture Notes in Computer Science*, 7579:210–219, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-34191-5\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-34191-5_20/).

**Anonymous:2012:FMv**

- [393] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7579:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34191-5/1>.

**Holmgren:2012:MAB**

- [394] Johan Holmgren, Linda Ramstedt, Paul Davidsson, and Jan A. Persson. Multi-agent-based simulation for analysis of transport policy and infrastructure measures. *Lecture Notes in Computer Science*, 7580:1–15, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35612-4\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-35612-4_1/).

**Savarimuthu:2012:ABS**

- [395] Bastin Tony Roy Savarimuthu, Maryam Purvis, and Harko Verhagen. An agent-based simulation of employing social norms in energy conservation in households. *Lecture Notes in Computer Science*, 7580: 16–31, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35612-4\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-35612-4_2/).

**Pfau:2012:ABM**

- [396] Jens Pfau, Michael Kirley, and Yoshihisa Kashima. An agent-based model of stereotype communication. *Lecture Notes in Computer Science*, 7580: 32–47, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35612-4\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-35612-4_3/).

**Fukuta:2012:ASE**

- [397] Naoki Fukuta and Takayuki Ito. An approach to sustainable electric power allocation using a multi-round multi-unit combinatorial auction. *Lecture Notes in Computer Science*, 7580:48–63, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35612-4\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-35612-4_4/).

**Takahashi:2012:CDV**

- [398] Satoshi Takahashi, Tokuro Matsuo, Takayuki Ito, and Roger Y. Lee. A co-dependent value-based mechanism for the Internet advertisement auction. *Lecture Notes in Computer Science*, 7580:64–77, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35612-4\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-35612-4_5/).

**Kanamori:2012:ESL**

- [399] Ryo Kanamori, Takayuki Morikawa, and Takayuki Ito. Evaluation of special lanes as incentive policies for promoting electric vehicles. *Lecture Notes in Computer Science*, 7580:78–89, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35612-4\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-35612-4_6/).

**delaHoz:2012:SCA**

- [400] Enrique de la Hoz, Ivan Marsa-Maestre, and Miguel A. Lopez-Carmona. Simulation of coordinated anticipatory vehicle routing strategies on MAT-Sim. *Lecture Notes in Computer Science*, 7580:90–108, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35612-4\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-35612-4_7/).

**Ren:2012:ABD**

- [401] Fenghui Ren, Minjie Zhang, and Danny Soetanto. Agent-based demand management in a power distribution network by considering distributed generations. *Lecture Notes in Computer Science*, 7580:109–124, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-35612-4\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-35612-4_8/).

**Anonymous:2012:BMf**

- [402] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7580:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-35612-4/1>.

**Anonymous:2012:FMw**

- [403] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7580:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-35612-4/1>.

**Litany:2012:PPT**

- [404] Or Litany, Alexander M. Bronstein, and Michael M. Bronstein. Putting the pieces together: Regularized multi-part shape matching. *Lecture Notes in Computer Science*, 7583:1–11, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_1/).

**VanEyndhoven:2012:CME**

- [405] Geert Van Eyndhoven, Jan Sijbers, and Joost Batenburg. Combined motion estimation and reconstruction in tomography. *Lecture Notes in Computer Science*, 7583:12–21, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_2/).

**Abdelrahman:2012:OCU**

- [406] Mostafa Abdelrahman, Moumen El-Melegy, and Aly Farag. 3D object classification using scale invariant heat kernels with collaborative classification. *Lecture Notes in Computer Science*, 7583:22–31, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_3/).

**Sukno:2012:FLL**

- [407] Federico M. Sukno, John L. Waddington, and Paul F. Whelan. 3D facial landmark localization using combinatorial search and shape regression. *Lecture Notes in Computer Science*, 7583:32–41, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_4/).

**Raviv:2012:SSA**

- [408] Tammy Riklin Raviv, Yi Gao, James J. Levitt, and Sylvain Bouix. Statistical shape analysis for population studies via level-set based shape morphing. *Lecture Notes in Computer Science*, 7583:42–51, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_5/).

**Rosman:2012:GVR**

- [409] Guy Rosman, Alex M. Bronstein, Michael M. Bronstein, Xue-Cheng Tai, and Ron Kimmel. Group-valued regularization for analysis of articulated motion. *Lecture Notes in Computer Science*, 7583:52–62, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_6/).

**Marvaniya:2012:DAS**

- [410] Smit Marvaniya, Sreyasee Bhattacharjee, Venkatesh Manickavasagam, and Anurag Mittal. Drawing an automatic sketch of deformable objects using only a few images. *Lecture Notes in Computer Science*, 7583:63–72, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_7/).

**Berretti:2012:SSR**

- [411] Stefano Berretti, Alberto Del Bimbo, and Pietro Pala. Surfaces: a super-resolution model for 3D faces. *Lecture Notes in Computer Science*, 7583:73–82, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_8/).

**Kovnatsky:2012:SSM**

- [412] Artiom Kovnatsky, Michael M. Bronstein, and Alexander M. Bronstein. Stable spectral mesh filtering. *Lecture Notes in Computer Science*, 7583:83–91, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_9/).

**Uchida:2012:ADP**

- [413] Seiichi Uchida, Satoshi Hokahori, and Yaokai Feng. Analytical dynamic programming matching. *Lecture Notes in Computer Science*, 7583:92–101, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_10/).

**Yang:2012:CPF**

- [414] Ying Yang, David Günther, Stefanie Wuhler, Alan Brunton, and Ioannis Ivrissimtzis. Correspondences of persistent feature points on near-isometric surfaces. *Lecture Notes in Computer Science*, 7583:102–112, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_11/).

**Agudo:2012:RNR**

- [415] Antonio Agudo, Begoña Calvo, and J. M. M. Montiel. 3D reconstruction of non-rigid surfaces in real-time using wedge elements. *Lecture Notes in Computer Science*, 7583:113–122, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_12/).

**Iglesias:2012:SDS**

- [416] Jose A. Iglesias and Ron Kimmel. Schrödinger diffusion for shape analysis with texture. *Lecture Notes in Computer Science*, 7583:123–132, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_13/).

**Cheng:2012:ADF**

- [417] Xin Cheng, Sridha Sridharan, Jason Saraghi, and Simon Lucey. Anchored deformable face ensemble alignment. *Lecture Notes in Computer Science*, 7583:133–142, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_14/).

**Bardelli:2012:MOT**

- [418] Eleonora Bardelli, Maria Colombo, Andrea Mennucci, and Anthony Yezzi. Multiple object tracking via prediction and filtering with a Sobolev-type metric on curves. *Lecture Notes in Computer Science*, 7583:143–152, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_15/).

**Kinoshita:2012:FMF**

- [419] Koichi Kinoshita, Yoshinori Konishi, Masato Kawade, and Hiroshi Murase. Facial model fitting based on perturbation learning and It's evaluation on challenging real-world diversities images. *Lecture Notes in Computer Science*, 7583:153–162, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_16/).

**Zhu:2012:ARL**

- [420] Jiejie Zhu, Mayank Bansal, Nick Vander Valk, and Hui Cheng. Adaptive rendering for large-scale skyline characterization and matching. *Lecture Notes in Computer Science*, 7583:163–174, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_17/).

**Bansal:2012:UWB**

- [421] Mayank Bansal, Kostas Daniilidis, and Harpreet Sawhney. Ultra-wide baseline facade matching for geo-localization. *Lecture Notes in Computer Science*, 7583:175–186, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_18/).

**Hedau:2012:MED**

- [422] Varsha Hedau, Sudipta N. Sinha, C. Lawrence Zitnick, and Richard Szeliski. A memory efficient discriminative approach for location aided recognition. *Lecture Notes in Computer Science*, 7583:187–197, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_19/).

**Hartmann:2012:WSL**

- [423] Glenn Hartmann, Matthias Grundmann, Judy Hoffman, David Tsai, Vivek Kwatra, and Omid Madani. Weakly supervised learning of object segmentations from Web-scale video. *Lecture Notes in Computer Science*, 7583:198–208, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33863-2\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33863-2_20/).

**Anonymous:2012:FMx**

- [424] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7583:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33863-2/1>.

**Nair:2012:HAT**

- [425] Rahul Nair, Frank Lenzen, Stephan Meister, Henrik Schäfer, and Christoph Garbe. High accuracy TOF and stereo sensor fusion at interactive rates. *Lecture Notes in Computer Science*, 7584:1–11, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_1/).

**Langmann:2012:MFM**

- [426] Benjamin Langmann, Klaus Hartmann, and Otmar Loffeld. A modular framework for 2D/3D and multi-modal segmentation with joint super-resolution. *Lecture Notes in Computer Science*, 7584:12–21, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_2/).

**Wang:2012:RTP**

- [427] Zhe Wang, Hong Liu, Yueliang Qian, and Tao Xu. Real-time plane segmentation and obstacle detection of 3D point clouds for indoor scenes. *Lecture Notes in Computer Science*, 7584:22–31, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_3/).

**Bayramoglu:2012:CTG**

- [428] Neslihan Bayramoglu, Janne Heikkilä, and Matti Pietikäinen. Combining textural and geometrical descriptors for scene recognition. *Lecture Notes in Computer Science*, 7584:32–41, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_4/).

**Lu:2012:HCI**

- [429] Jiwen Lu and Gang Wang. Human-centric indoor environment modeling from depth videos. *Lecture Notes in Computer Science*, 7584:42–51, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_5/).

**Cheng:2012:HDA**

- [430] Zhongwei Cheng, Lei Qin, Yituo Ye, Qingming Huang, and Qi Tian. Human daily action analysis with multi-view and color-depth data. *Lecture Notes in Computer Science*, 7584:52–61, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_6/).



**Zeisl:2012:VIM**

- [431] Bernhard Zeisl, Kevin Köser, and Marc Pollefeys. Viewpoint invariant matching via developable surfaces. *Lecture Notes in Computer Science*, 7584:62–71, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_7/).

**Ren:2012:UEM**

- [432] Carl Yuheng Ren and Ian Reid. A unified energy minimization framework for model fitting in depth. *Lecture Notes in Computer Science*, 7584:72–82, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_8/).

**Fouhey:2012:ORR**

- [433] David F. Fouhey, Alvaro Collet, Martial Hebert, and Siddhartha Srinivasa. Object recognition robust to imperfect depth data. *Lecture Notes in Computer Science*, 7584:83–92, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_9/).

**Susanto:2012:ODM**

- [434] Wandu Susanto, Marcus Rohrbach, and Bernt Schiele. 3D object detection with multiple kinects. *Lecture Notes in Computer Science*, 7584:93–102, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_10/).

**Kowdle:2012:CMG**

- [435] Adarsh Kowdle, Andrew Gallagher, and Tsuhan Chen. Combining monocular geometric cues with traditional stereo cues for consumer camera stereo. *Lecture Notes in Computer Science*, 7584:103–113, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_11/).

**Sellent:2012:QAN**

- [436] Anita Sellent and Jochen Wingbermühle. Quality assessment of non-dense image correspondences. *Lecture Notes in Computer Science*, 7584:114–123, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_12/).

**Marquez-Valle:2012:CCF**

- [437] Patricia Márquez-Valle, Debora Gil, and Aura Hernández-Sabaté. A complete confidence framework for optical flow. *Lecture Notes in Computer Science*, 7584:124–133, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_13/).

**Cigla:2012:ISM**

- [438] Cevahir Çığla and A. Aydın Alatan. An improved stereo matching algorithm with ground plane and temporal smoothness constraints. *Lecture Notes in Computer Science*, 7584:134–147, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_14/).

**Mordohai:2012:ESF**

- [439] Philippos Mordohai. On the evaluation of scene flow estimation. *Lecture Notes in Computer Science*, 7584:148–157, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_15/).

**Haeusler:2012:AKD**

- [440] Ralf Haeusler and Reinhard Klette. Analysis of KITTI data for stereo analysis with stereo confidence measures. *Lecture Notes in Computer Science*, 7584:158–167, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_16/).

**Wulff:2012:LIC**

- [441] Jonas Wulff, Daniel J. Butler, Garrett B. Stanley, and Michael J. Black. Lessons and insights from creating a synthetic optical flow benchmark. *Lecture Notes in Computer Science*, 7584:168–177, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_17/).

**Batool:2012:MDW**

- [442] Nazre Batool and Rama Chellappa. Modeling and detection of wrinkles in aging human faces using marked point processes. *Lecture Notes in Computer Science*, 7584:178–188, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_18/).

**Otto:2012:HDA**

- [443] Charles Otto, Hu Han, and Anil Jain. How does aging affect facial components? *Lecture Notes in Computer Science*, 7584:189–198, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_19/).

**Riaz:2012:STM**

- [444] Zahid Riaz and Michael Beetz. Spatio-temporal multifeature for facial analysis. *Lecture Notes in Computer Science*, 7584:199–209, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33868-7\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33868-7_20/).

**Anonymous:2012:FMy**

- [445] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7584:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33868-7/1>.

**Pfeiffer:2012:PSO**

- [446] David Pfeiffer, Friedrich Erbs, and Uwe Franke. Pixels, stixels, and objects. *Lecture Notes in Computer Science*, 7585:1–10, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_1/).

**Benenson:2012:FSC**

- [447] Rodrigo Benenson, Markus Mathias, Radu Timofte, and Luc Van Gool. Fast stixel computation for fast pedestrian detection. *Lecture Notes in Computer Science*, 7585:11–20, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_2/).

**Maji:2012:DLP**

- [448] Subhransu Maji. Discovering a lexicon of parts and attributes. *Lecture Notes in Computer Science*, 7585:21–30, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_3/).

**Divvala:2012:HID**

- [449] Santosh K. Divvala, Alexei A. Efros, and Martial Hebert. How important are “deformable parts” in the deformable parts model? *Lecture Notes*

in *Computer Science*, 7585:31–40, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_4/).

**Kokkinos:2012:BPS**

- [450] Iasonas Kokkinos. Bounding part scores for rapid detection with deformable part models. *Lecture Notes in Computer Science*, 7585:41–50, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_5/).

**Su:2012:LCV**

- [451] Yu Su and Frédéric Jurie. Learning compact visual attributes for large-scale image classification. *Lecture Notes in Computer Science*, 7585:51–60, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_6/).

**Ma:2012:ULD**

- [452] Shugao Ma, Stan Sclaroff, and Nazli Ikizler-Cinbis. Unsupervised learning of discriminative relative visual attributes. *Lecture Notes in Computer Science*, 7585:61–70, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_7/).

**Kosmopoulos:2012:MOA**

- [453] Dimitrios I. Kosmopoulos and Fillia Makedon. A method for online analysis of structured processes using Bayesian filters and echo state networks. *Lecture Notes in Computer Science*, 7585:71–80, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_8/).

**Makantasis:2012:MCF**

- [454] Konstantinos Makantasis, Eftychios Protopapadakis, and Anastasios Doulamis. Monocular camera fall detection system exploiting 3D measures: a semi-supervised learning approach. *Lecture Notes in Computer Science*, 7585:81–90, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_9/).

**Munsell:2012:PIU**

- [455] Brent C. Munsell, Andrew Temlyakov, Chengzheng Qu, and Song Wang. Person identification using full-body motion and anthropometric biometrics from Kinect Videos. *Lecture Notes in Computer Science*, 7585:

91–100, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_10/).

**Ghamdi:2012:STV**

- [456] Manal Al Ghamdi, Nouf Al Harbi, and Yoshihiko Gotoh. Spatio-temporal video representation with locality-constrained linear coding. *Lecture Notes in Computer Science*, 7585:101–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_11/).

**Rota:2012:RTD**

- [457] Paolo Rota, Nicola Conci, and Nicu Sebe. Real time detection of social interactions in surveillance video. *Lecture Notes in Computer Science*, 7585:111–120, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_12/).

**Brkic:2012:TST**

- [458] Karla Brkić, Axel Pinz, Zoran Kalafatić, and Siniša Šegvić. Towards space-time semantics in two frames. *Lecture Notes in Computer Science*, 7585:121–130, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_13/).

**Ravichandran:2012:SML**

- [459] Avinash Ravichandran, Chaohui Wang, Michalis Raptis, and Stefano Soatto. SuperFloxels: a mid-level representation for video sequences. *Lecture Notes in Computer Science*, 7585:131–140, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_14/).

**John:2012:RCL**

- [460] Vijay John, Gwenn Englebienne, and Ben Krose. Relative camera localisation in non-overlapping camera networks using multiple trajectories. *Lecture Notes in Computer Science*, 7585:141–150, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_15/).

**Ito:2012:DIE**

- [461] Yuichi Ito, Kris M. Kitani, James A. Bagnell, and Martial Hebert. Detecting interesting events using unsupervised density ratio estimation. *Lecture Notes in Computer Science*, 7585:151–161, 2012. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_16/).

**Pellegrini:2012:DFC**

- [462] Stefano Pellegrini, Jürgen Gall, Leonid Sigal, and Luc Van Gool. Destination flow for crowd simulation. *Lecture Notes in Computer Science*, 7585:162–171, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_17/).

**Barthelemy:2012:RID**

- [463] Quentin Barthélemy, Anthony Larue, and Jérôme I. Mars. 3D rotation invariant decomposition of motion signals. *Lecture Notes in Computer Science*, 7585:172–182, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_18/).

**Mauthner:2012:LMA**

- [464] Thomas Mauthner, Peter M. Roth, and Horst Bischof. Learn to move: Activity specific motion models for tracking by detection. *Lecture Notes in Computer Science*, 7585:183–192, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_19/).

**Ardo:2012:FCU**

- [465] Håkan Ardö, Mikael Nilsson, and Rikard Berthilsson. Flow counting using realboosted multi-sized window detectors. *Lecture Notes in Computer Science*, 7585:193–202, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33885-4\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33885-4_20/).

**Anonymous:2012:FMz**

- [466] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7585:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33885-4/1>.

**Henzinger:2012:QRM**

- [467] Thomas A. Henzinger. Quantitative reactive models. *Lecture Notes in Computer Science*, 7590:1–2, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33666-9\\_1](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33666-9_1).

**Sanchez-Cuadrado:2012:BMM**

- [468] Jesús Sánchez-Cuadrado, Juan de Lara, and Esther Guerra. Bottom-up meta-modelling: An interactive approach. *Lecture Notes in Computer Science*, 7590:3–19, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_2/).

**Noyrit:2012:FMU**

- [469] Florian Noyrit, Sébastien Gérard, and Bran Selic. FacadeMetamodel: Masking UML. *Lecture Notes in Computer Science*, 7590:20–35, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_3/).

**Rabbi:2012:DSL**

- [470] Fazle Rabbi and Wendy MacCaull.  $T_{\square}$ : a domain specific language for rapid workflow development. *Lecture Notes in Computer Science*, 7590:36–52, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_4/).

**Ramirez:2012:RCC**

- [471] Andres J. Ramirez, Betty H. C. Cheng, Nelly Bencomo, and Pete Sawyer. Relaxing claims: Coping with uncertainty while evaluating assumptions at run time. *Lecture Notes in Computer Science*, 7590:53–69, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_5/).

**Alferez:2012:DEC**

- [472] Germán H. Alférez and Vicente Pelechano. Dynamic evolution of context-aware systems with models at runtime. *Lecture Notes in Computer Science*, 7590:70–86, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_6/).

**Fouquet:2012:EMF**

- [473] François Fouquet, Grégory Nain, Brice Morin, Erwan Daubert, and Olivier Barais. An Eclipse modelling framework alternative to meet the models@runtime requirements. *Lecture Notes in Computer Science*, 7590:87–101, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_7/).

**Scheidgen:2012:ATM**

- [474] Markus Scheidgen, Anatolij Zubow, Joachim Fischer, and Thomas H. Kolbe. Automated and transparent model fragmentation for persisting large models. *Lecture Notes in Computer Science*, 7590:102–118, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_8/).

**Combemale:2012:FDI**

- [475] Benoit Combemale, Xavier Thirioux, and Benoit Baudry. Formally defining and iterating infinite models. *Lecture Notes in Computer Science*, 7590:119–133, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_9/).

**Hegedus:2012:QDS**

- [476] Ábel Hegedüs, Ákos Horváth, István Ráth, and Dániel Varró. Query-driven soft interconnection of EMF models. *Lecture Notes in Computer Science*, 7590:134–150, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_10/).

**Favre:2012:MLA**

- [477] Jean-Marie Favre, Ralf Lämmel, and Andrei Varanovich. Modeling the linguistic architecture of software products. *Lecture Notes in Computer Science*, 7590:151–167, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_11/).

**Pfeiffer:2012:CLS**

- [478] Rolf-Helge Pfeiffer and Andrzej Wasowski. Cross-language support mechanisms significantly aid software development. *Lecture Notes in Computer Science*, 7590:168–184, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_12/).

**Gravino:2012:DPD**

- [479] Carmine Gravino, Michele Risi, Giuseppe Scanniello, and Genoveffa Tortora. Do professional developers benefit from design pattern documentation? A replication in the context of source code comprehension. *Lecture Notes in Computer Science*, 7590:185–201, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_13/).



**Reder:2012:ICC**

- [480] Alexander Reder and Alexander Egyed. Incremental consistency checking for complex design rules and larger model changes. *Lecture Notes in Computer Science*, 7590:202–218, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_14/).

**Farias:2012:EIA**

- [481] Kleinner Farias, Alessandro Garcia, and Carlos Lucena. Evaluating the impact of aspects on inconsistency detection effort: a controlled experiment. *Lecture Notes in Computer Science*, 7590:219–234, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_15/).

**Hamann:2012:ISB**

- [482] Lars Hamann, Oliver Hofrichter, and Martin Gogolla. On integrating structure and behavior modeling with OCL. *Lecture Notes in Computer Science*, 7590:235–251, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_16/).

**Schroeter:2012:MPF**

- [483] Julia Schroeter, Malte Lochau, and Tim Winkelmann. Multi-perspectives on feature models. *Lecture Notes in Computer Science*, 7590:252–268, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_17/).

**Johansen:2012:GBP**

- [484] Martin Fagereng Johansen, Øystein Haugen, Franck Fleurey, and Anne Grete Eldegard. Generating better partial covering arrays by modeling weights on sub-product lines. *Lecture Notes in Computer Science*, 7590:269–284, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_18/).

**Kulkarni:2012:TBA**

- [485] Vinay Kulkarni, Souvik Barat, and Suman Roychoudhury. Towards business application product lines. *Lecture Notes in Computer Science*, 7590:285–301, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_19/).

**Maraee:2012:IAC**

- [486] Azzam Maraee and Mira Balaban. Inter-association constraints in UML2: Comparative analysis, usage recommendations, and modeling guidelines. *Lecture Notes in Computer Science*, 7590:302–318, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33666-9\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33666-9_20/).

**Anonymous:2012:FMba**

- [487] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7590:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33666-9/1>.

**Jongmans:2012:ACG**

- [488] Sung-Shik T. Q. Jongmans, Francesco Santini, Mahdi Sargolzaei, and Farhad Arbab. Automatic code generation for the orchestration of Web services with reo. *Lecture Notes in Computer Science*, 7592:1–16, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_1/).

**Barakat:2012:RSS**

- [489] Lina Barakat, Simon Miles, and Michael Luck. Reactive service selection in dynamic service environments. *Lecture Notes in Computer Science*, 7592:17–31, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_2/).

**Demchenko:2012:GBS**

- [490] Yuri Demchenko, Canh Ngo, Pedro Martínez-Julia, Elena Torroglosa, and Mary Grammatikou. GEMBus based services composition platform for cloud PaaS. *Lecture Notes in Computer Science*, 7592:32–47, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_3/).

**Preda:2012:IBS**

- [491] Mila Dalla Preda, Maurizio Gabbrielli, Claudio Guidi, Jacopo Mauro, and Fabrizio Montesi. Interface-based service composition with aggregation. *Lecture Notes in Computer Science*, 7592:48–63, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_4/).

**Collinson:2012:FMS**

- [492] Matthew Collinson, David Pym, and Barry Taylor. A framework for modelling security architectures in services ecosystems. *Lecture Notes in Computer Science*, 7592:64–79, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_5/).

**Wenge:2012:MAA**

- [493] Olga Wenge, Melanie Siebenhaar, Ulrich Lampe, Dieter Schuller, and Ralf Steinmetz. Much ado about security appeal: Cloud provider collaborations and their risks. *Lecture Notes in Computer Science*, 7592:80–90, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_6/).

**deBoer:2012:FMR**

- [494] Frank S. de Boer, Reiner Hähnle, Einar Broch Johnsen, Rudolf Schlatte, and Peter Y. H. Wong. Formal modeling of resource management for cloud architectures: An industrial case study. *Lecture Notes in Computer Science*, 7592:91–106, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_7/).

**Nhan:2012:MDA**

- [495] Tam Le Nhan, Gerson Sunyé, and Jean-Marc Jézéquel. A model-driven approach for virtual machine image provisioning in cloud computing. *Lecture Notes in Computer Science*, 7592:107–121, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_8/).

**Heike:2012:PCC**

- [496] Christian Heike, Wolf Zimmermann, and Andreas Both. Protocol conformance checking of services with exceptions. *Lecture Notes in Computer Science*, 7592:122–137, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_9/).

**Pahl:2012:CSL**

- [497] Claus Pahl. Cloud service localisation. *Lecture Notes in Computer Science*, 7592:138–153, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_10/).

**Sagbo:2012:QAR**

- [498] Kouessi Arafat Romaric Sagbo and Pélagie Houngue. Quality architecture for resource allocation in cloud computing. *Lecture Notes in Computer Science*, 7592:154–168, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_11/).

**Zivkovic:2012:ARI**

- [499] Miroslav Živković and Hans van den Berg. Analysis of revenue improvements with runtime adaptation of service composition based on conditional request retries. *Lecture Notes in Computer Science*, 7592:169–183, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_12/).

**Dellkrantz:2012:PMA**

- [500] Manfred Dellkrantz, Maria Kihl, and Anders Robertsson. Performance modeling and analysis of a database server with write-heavy workload. *Lecture Notes in Computer Science*, 7592:184–191, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_13/).

**Ferber:2012:MCC**

- [501] Marvin Ferber and Thomas Rauber. Mobile cloud computing in 3G cellular networks using pipelined tasks. *Lecture Notes in Computer Science*, 7592:192–199, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_14/).

**Fittkau:2012:CUC**

- [502] Florian Fittkau, Sören Frey, and Wilhelm Hasselbring. Cloud user-centric enhancements of the simulator CloudSim to improve cloud deployment option analysis. *Lecture Notes in Computer Science*, 7592:200–207, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_15/).

**Guidi:2012:POP**

- [503] Claudio Guidi, Paolo Anedda, and Tullio Vardanega. PaaSOSA: An open PaaS architecture for service oriented applications. *Lecture Notes in Computer Science*, 7592:208–209, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33427-6\\_16/](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33427-6_16/).

**Vettor:2012:CML**

- [504] Pierre De Vettor, Michael Mrissa, and Carlos Pedrinaci. Context mediation as a linked service. *Lecture Notes in Computer Science*, 7592:210–211, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33427-6\\_17](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33427-6_17).

**Wang:2012:UCP**

- [505] Ming-Xue Wang and Claus Pahl. User-customisable policy monitoring for multi-tenant cloud architectures. *Lecture Notes in Computer Science*, 7592:212–213, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33427-6\\_18](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33427-6_18).

**Cheng:2012:ECB**

- [506] Bin Cheng, Sachin Agarwal, and Daniele Abbadessa. Enabling co-browsing service across different browsers and devices. *Lecture Notes in Computer Science*, 7592:214–229, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_19/).

**Trammel:2012:DTP**

- [507] John Trammel, Ümit Yalçınalp, Andrei Kalfas, James Boag, and Dan Brotsky. Device token protocol for persistent authentication shared across applications. *Lecture Notes in Computer Science*, 7592:230–243, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33427-6\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33427-6_20/).

**Anonymous:2012:FMbb**

- [508] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7592:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33427-6/1>.

**Ajmal:2012:VST**

- [509] Muhammad Ajmal, Muhammad Husnain Ashraf, Muhammad Shakir, Yasir Abbas, and Faiz Ali Shah. Video summarization: Techniques and classification. *Lecture Notes in Computer Science*, 7594:1–13, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_1/).

**Bay:2012:DGM**

- [510] Thierry Bay, Romain Raffin, and Marc Daniel. Discrete geometric modeling of thick pelvic organs with a medial axis. *Lecture Notes in Computer Science*, 7594:14–21, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_2/).

**Bielecka:2012:ENA**

- [511] Marzena Bielecka and Andrzej Bielecki. An evolutionary-neural algorithm for solving inverse IFS problem for images in two-dimensional space. *Lecture Notes in Computer Science*, 7594:22–29, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_3/).

**Borkowski:2012:EAI**

- [512] Dariusz Borkowski. Euler’s approximations to image reconstruction. *Lecture Notes in Computer Science*, 7594:30–37, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_4/).

**Borkowski:2012:ABS**

- [513] Dariusz Borkowski and Katarzyna Jańczak-Borkowska. Application of backward stochastic differential equations to reconstruction of vector-valued images. *Lecture Notes in Computer Science*, 7594:38–47, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_5/).

**Celebi:2012:BNG**

- [514] M. Emre Celebi, Quan Wen, Gerald Schaefer, and Huiyu Zhou. Batch neural gas with deterministic initialization for color quantization. *Lecture Notes in Computer Science*, 7594:48–54, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_6/).

**Serrano:2012:CFD**

- [515] Eduardo E. Dávila Serrano, Laurent Guigues, Jean-Pierre Roux, and Frédéric Cervenansky. CreaTools: a framework to develop medical image processing software: Application to simulate pipeline stent deployment in intracranial vessels with aneurysms. *Lecture Notes in Computer Science*, 7594:55–62, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_7/).

**Domanska:2012:VMD**

- [516] Diana Domańska, Marek Wojtylak, and Wiesław Kotarski. Visualization of multidimensional data in explorative forecast. *Lecture Notes in Computer Science*, 7594:63–70, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_8/).

**Goinski:2012:ASG**

- [517] Adam Goiński, Tomasz Zawadzki, and Sławomir Nikiel. Automatic shape generation based on quadratic four-dimensional fractals. *Lecture Notes in Computer Science*, 7594:71–78, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_9/).

**Grajek:2012:AAO**

- [518] Tomasz Grajek, Damian Karwowski, Adam Luczak, Sławomir Maćkowiak, and Marek Domański. Architecture of algorithmically optimized MPEG-4 AVC/H.264 video encoder. *Lecture Notes in Computer Science*, 7594:79–86, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_10/).

**Iwaneczko:2012:PUA**

- [519] Paweł Iwaneczko, Karol Jedrasiak, Krzysztof Daniec, and Aleksander Nawrat. A prototype of unmanned aerial vehicle for image acquisition. *Lecture Notes in Computer Science*, 7594:87–94, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_11/).

**Janik:2012:AHA**

- [520] Łukasz Janik, Karol Jedrasiak, Konrad Wojciechowski, and Andrzej Polański. Application of a hybrid algorithm for non-humanoid skeleton model estimation from motion capture data. *Lecture Notes in Computer Science*, 7594:95–104, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_12/).

**Jopek:2012:NMS**

- [521] Łukasz Jopek, Laurent Babout, and Marcin Janaszewski. A new method to segment X-ray microtomography images of lamellar titanium alloy based on directional filter banks and gray level gradient. *Lecture Notes in*

*Computer Science*, 7594:105–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_13/).

**Kapec:2012:IGE**

- [522] Peter Kapec, Michal Paprčka, and Adam Pažitnaj. Intelligent 3D graph exploration with time-travel features. *Lecture Notes in Computer Science*, 7594:113–120, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_14/).

**Karwowski:2012:IAA**

- [523] Damian Karwowski. Improved adaptive arithmetic coding for HEVC video compression technology. *Lecture Notes in Computer Science*, 7594:121–128, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_15/).

**Komorowski:2012:ECC**

- [524] Jacek Komorowski and Przemysław Rokita. Extrinsic camera calibration method and its performance evaluation. *Lecture Notes in Computer Science*, 7594:129–138, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_16/).

**Kozera:2012:LEA**

- [525] Ryszard Kozera, Lyle Noakes, and Mariusz Rasiński. Length estimation for the adjusted exponential parameterization. *Lecture Notes in Computer Science*, 7594:139–147, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_17/).

**Kozera:2012:STE**

- [526] Ryszard Kozera and Mateusz Śmietanka. Sharpness in trajectory estimation by piecewise-quadratics(-cubics) and cumulative chords. *Lecture Notes in Computer Science*, 7594:148–155, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_18/).

**Krupinski:2012:EEB**

- [527] Robert Krupiński and Przemysław Mazurek. Estimation of electrooculography and blinking signals based on filter banks. *Lecture Notes in*



*Computer Science*, 7594:156–163, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_19/).

**Luczak:2012:LBD**

- [528] Adam Luczak, Sławomir Maákowiak, Damian Karwowski, and Tomasz Grajek. A large barrel distortion in an acquisition system for multifocal images extraction. *Lecture Notes in Computer Science*, 7594:164–171, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33564-8\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33564-8_20/).

**Anonymous:2012:FMbc**

- [529] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7594:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33564-8/1>.

**Basten:2012:MDD**

- [530] Twan Basten, Martijn Hendriks, Lou Somers, and Nikola Trčka. Model-driven design-space exploration for software-intensive embedded systems. *Lecture Notes in Computer Science*, 7595:1–6, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_1/).

**Larsen:2012:SMC**

- [531] Kim G. Larsen. Statistical model checking, refinement checking, optimization, ... for stochastic hybrid systems. *Lecture Notes in Computer Science*, 7595:7–10, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_2/).

**Akshay:2012:RTPb**

- [532] S. Akshay, Loïc Hélouët, Claude Jard, Didier Lime, and Olivier H. Roux. Robustness of time Petri nets under architectural constraints. *Lecture Notes in Computer Science*, 7595:11–26, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_3/).

**Asarin:2012:TTT**

- [533] Eugene Asarin, Nicolas Basset, Marie-Pierre Béal, Aldric Degorre, and Dominique Perrin. Toward a timed theory of channel coding. *Lecture Notes in Computer Science*, 7595:27–42, 2012. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_4/).

**Bertrand:2012:POT**

- [534] Nathalie Bertrand and Sven Schewe. Playing optimally on timed automata with random delays. *Lecture Notes in Computer Science*, 7595: 43–58, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_5/).

**Carter:2012:DDT**

- [535] Rebekah Carter and Eva M. Navarro-López. Dynamically-driven timed automaton abstractions for proving liveness of continuous systems. *Lecture Notes in Computer Science*, 7595:59–74, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_6/).

**Chilton:2012:RTS**

- [536] Chris Chilton, Marta Kwiatkowska, and Xu Wang. Revisiting timed specification theories: a linear-time perspective. *Lecture Notes in Computer Science*, 7595:75–90, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_7/).

**Dalsgaard:2012:MCR**

- [537] Andreas E. Dalsgaard, Alfons Laarman, Kim G. Larsen, Mads Chr. Olesen, and Jaco van de Pol. Multi-core reachability for timed automata. *Lecture Notes in Computer Science*, 7595:91–106, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_8/).

**Dimitrova:2012:CGS**

- [538] Rayna Dimitrova and Bernd Finkbeiner. Counterexample-guided synthesis of observation predicates. *Lecture Notes in Computer Science*, 7595: 107–122, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_9/).

**Ellen:2012:CBS**

- [539] Christian Ellen, Sebastian Gerwinn, and Martin Fränzle. Confidence bounds for statistical model checking of probabilistic hybrid systems. *Lecture Notes in Computer Science*, 7595:123–138, 2012. CODEN LNCSD9.

ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_10/).

**Ghasemieh:2012:RBA**

- [540] Hamed Ghasemieh, Anne Remke, Boudewijn Haverkort, and Marco Gribaudo. Region-based analysis of hybrid Petri nets with a single general one-shot transition. *Lecture Notes in Computer Science*, 7595:139–154, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_11/).

**Herrera:2012:RQE**

- [541] Christian Herrera, Bernd Westphal, Sergio Feo-Arenis, Marco Muñoz, and Andreas Podelski. Reducing quasi-equal clocks in networks of timed automata. *Lecture Notes in Computer Science*, 7595:155–170, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_12/).

**Kindermann:2012:SBI**

- [542] Roland Kindermann, Tommi Junttila, and Ilkka Niemelä. SMT-based induction methods for timed systems. *Lecture Notes in Computer Science*, 7595:171–187, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_13/).

**Muniz:2012:TAD**

- [543] Marco Muñoz, Bernd Westphal, and Andreas Podelski. Timed automata with disjoint activity. *Lecture Notes in Computer Science*, 7595:188–203, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_14/).

**Peter:2012:CBS**

- [544] Hans-Jörg Peter and Bernd Finkbeiner. The complexity of bounded synthesis for timed control with partial observability. *Lecture Notes in Computer Science*, 7595:204–219, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_15/).

**Rinast:2012:SDZ**

- [545] Jonas Rinast and Sibylle Schupp. Static detection of Zeno runs in UPPAAL networks based on synchronization matrices and two data-variable heuristics. *Lecture Notes in Computer Science*, 7595:220–235,

2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_16/).

**Stainer:2012:FFT**

- [546] Amélie Stainer. Frequencies in forgetful timed automata. *Lecture Notes in Computer Science*, 7595:236–251, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_17/).

**Wehrle:2012:MHS**

- [547] Martin Wehrle and Sebastian Kupferschmid. MCTA: Heuristics and search for timed systems. *Lecture Notes in Computer Science*, 7595:252–266, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33365-1\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33365-1_18/).

**Anonymous:2012:BMg**

- [548] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7595:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-33365-1/1>.

**Anonymous:2012:FMbd**

- [549] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7595:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33365-1/1>.

**Takimoto:2012:CES**

- [550] Tomoya Takimoto and Fukuhito Ooshita. Communication-efficient self-stabilization in wireless networks. *Lecture Notes in Computer Science*, 7596:1–15, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_1/).

**Kohler:2012:SSL**

- [551] Sven Köhler, Volker Turau, and Gerhard Mentges. Self-stabilizing local  $k$ -placement of replicas with minimal variance. *Lecture Notes in Computer Science*, 7596:16–30, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_2/).

**Neggazi:2012:SSA**

- [552] Brahim Neggazi and Mohammed Haddad. Self-stabilizing algorithm for maximal graph partitioning into triangles. *Lecture Notes in Computer Science*, 7596:31–42, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_3/).

**Malekpour:2012:BAS**

- [553] Mahyar R. Malekpour. Brief announcement: Self-stabilizing synchronization of arbitrary digraphs in presence of faults. *Lecture Notes in Computer Science*, 7596:43–45, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_4/).

**Datta:2012:BAS**

- [554] Ajoy K. Datta and Stéphane Devismes. Brief announcement: Self-stabilizing silent disjunction in an anonymous network. *Lecture Notes in Computer Science*, 7596:46–48, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_5/).

**Ooshita:2012:SSM**

- [555] Fukuhito Ooshita and Sébastien Tixeuil. On the self-stabilization of mobile oblivious robots in uniform rings. *Lecture Notes in Computer Science*, 7596:49–63, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_6/).

**Devismes:2012:OGE**

- [556] Stéphane Devismes and Anissa Lamani. Optimal grid exploration by asynchronous oblivious robots. *Lecture Notes in Computer Science*, 7596:64–76, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_7/).

**Michail:2012:TPP**

- [557] Othon Michail and Ioannis Chatzigiannakis. Terminating population protocols via some minimal global knowledge assumptions. *Lecture Notes in Computer Science*, 7596:77–89, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_8/).

**Fugger:2012:BAD**

- [558] Matthias Függer and Alexander Kößler. Brief announcement: The degrading effect of forgetting on a synchronizer. *Lecture Notes in Computer Science*, 7596:90–91, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33536-5\\_9](http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33536-5_9).

**Izumi:2012:BAM**

- [559] Tomoko Izumi, Yukiko Yamauchi, and Sayaka Kamei. Brief announcement: Mobile agent rendezvous on edge evolving rings. *Lecture Notes in Computer Science*, 7596:92–94, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_10/).

**Liu:2012:HLE**

- [560] Yanhong A. Liu, Scott D. Stoller, and Bo Lin. High-level executable specifications of distributed algorithms. *Lecture Notes in Computer Science*, 7596:95–110, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_11/).

**Jarraya:2012:FVS**

- [561] Yosr Jarraya and Arash Eghtesadi. Formal verification of security preservation for migrating virtual machines in the cloud. *Lecture Notes in Computer Science*, 7596:111–125, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_12/).

**Adamek:2012:EPT**

- [562] Jordan Adamek and Mikhail Nesterenko. Evaluating practical tolerance properties of stabilizing programs through simulation: The case of propagation of information with feedback. *Lecture Notes in Computer Science*, 7596:126–132, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_13/).

**Dolev:2012:SSE**

- [563] Shlomi Dolev and Ariel Hanemann. Self-stabilizing end-to-end communication in (bounded capacity, omitting, duplicating and non-FIFO) dynamic networks. *Lecture Notes in Computer Science*, 7596:133–147, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_14/).

**Ducourthial:2012:SSD**

- [564] Bertrand Ducourthial and Véronique Cherfaoui. Self-stabilizing distributed data fusion. *Lecture Notes in Computer Science*, 7596:148–162, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_15/).

**Johnen:2012:SSS**

- [565] Colette Johnen. From self- to self-stabilizing with service guarantee 1-hop weight-based clustering. *Lecture Notes in Computer Science*, 7596:163–178, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_16/).

**Chen:2012:BAV**

- [566] Jingshu Chen. Brief announcement: Verification of stabilizing programs with SMT solvers. *Lecture Notes in Computer Science*, 7596:179–182, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_17/).

**Muftuoglu:2012:BAM**

- [567] Can Arda Muftuoglu, Péter Bokor, and Neeraj Suri. Brief announcement: MP-state: State-aware software model checking of message-passing systems. *Lecture Notes in Computer Science*, 7596:183–186, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_18/).

**Ateniese:2012:OAM**

- [568] Giuseppe Ateniese and Roberto Baldoni. Oblivious assignment with m slots. *Lecture Notes in Computer Science*, 7596:187–201, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_19/).

**Alaggan:2012:BNI**

- [569] Mohammad Alaggan and Sébastien Gambs. BLIP: Non-interactive differentially-private similarity computation on Bloom filters. *Lecture Notes in Computer Science*, 7596:202–216, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33536-5\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33536-5_20/).

**Anonymous:2012:FMbe**

- [570] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7596: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33536-5/1>.

**Gong:2012:FRS**

- [571] Tao Gong. Face recognition by searching most similar sample with immune learning. *Lecture Notes in Computer Science*, 7597:1–13, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_1/).

**Pierrard:2012:MOA**

- [572] Thomas Pierrard and Carlos A. Coello Coello. A multi-objective artificial immune system based on hypervolume. *Lecture Notes in Computer Science*, 7597:14–27, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_2/).

**Textor:2012:CSN**

- [573] Johannes Textor. A comparative study of negative selection based anomaly detection in sequence data. *Lecture Notes in Computer Science*, 7597:28–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_3/).

**Lim:2012:IIS**

- [574] TiongHoo Lim, HuiKeng Lau, Jon Timmis, and Iain Bate. Immune-inspired self healing in wireless sensor networks. *Lecture Notes in Computer Science*, 7597:42–56, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_4/).

**Figueredo:2012:BGS**

- [575] Graziela P. Figueredo, Peer-Olaf Siebers, Uwe Aickelin, and Stephanie Foan. A beginner’s guide to systems simulation in immunology. *Lecture Notes in Computer Science*, 7597:57–71, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_5/).

**Tsang:2012:CBM**

- [576] Wilburn W. P. Tsang and Henry Y. K. Lau. Clustering-based multi-objective immune optimization evolutionary algorithm. *Lecture Notes in*



*Computer Science*, 7597:72–85, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_6/).

**Gogolinska:2012:PNA**

- [577] Anna Gogolinska and Wieslaw Nowak. Petri nets approach to modeling of immune system and autism. *Lecture Notes in Computer Science*, 7597:86–99, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_7/).

**deOliveira:2012:MII**

- [578] Cicero Hildenberg Lima de Oliveira, Thayna Baptista Moroso, and Fabio Hugo Souza Matos. Mathematical implementation of interaction between malaria and immune system. *Lecture Notes in Computer Science*, 7597:100–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_8/).

**Jansen:2012:CLC**

- [579] Thomas Jansen and Christine Zarges. Computing longest common subsequences with the B-cell algorithm. *Lecture Notes in Computer Science*, 7597:111–124, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_9/).

**Fu:2012:BTI**

- [580] Jun Fu, Huan Yang, Yiwen Liang, and Chengyu Tan. Bait a trap: Introducing natural killer cells to artificial immune system for spyware detection. *Lecture Notes in Computer Science*, 7597:125–138, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_10/).

**Elsayed:2012:ACI**

- [581] Samir A. Mohamed Elsayed, Sanguthevar Rajasekaran, and Reda A. Ammar. AC-CS: An immune-inspired associative classification algorithm. *Lecture Notes in Computer Science*, 7597:139–151, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_11/).

**Chelly:2012:RDN**

- [582] Zeineb Chelly and Zied Elouedi. RC-DCA: a new feature selection and signal categorization technique for the Dendritic Cell Algorithm

based on rough set theory. *Lecture Notes in Computer Science*, 7597: 152–165, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_12/).

**Mariani:2012:AIN**

- [583] Viviana Cocco Mariani, Leandro dos Santos Coelho, and Anderson Duck. Artificial immune network approach with Beta differential operator applied to optimization of heat exchangers. *Lecture Notes in Computer Science*, 7597:166–177, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_13/).

**Mostardinha:2012:NSA**

- [584] Patricia Mostardinha, Bruno Filipe Faria, André Zúquete, and Fernão Vistulo de Abreu. A negative selection approach to intrusion detection. *Lecture Notes in Computer Science*, 7597:178–190, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_14/).

**Tarapore:2012:CNS**

- [585] Danesh Tarapore, Anders Lyhne Christensen, Pedro U. Lima, and Jorge Carneiro. Clonal Expansion without Self-replicating Entities. *Lecture Notes in Computer Science*, 7597:191–204, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_15/).

**Mohammadi:2012:RTA**

- [586] Mahdi Mohammadi, Ahmad Akbari, Bijan Raahemi, and Babak Nasser-sharif. A real time anomaly detection system based on probabilistic artificial immune based algorithm. *Lecture Notes in Computer Science*, 7597: 205–217, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_16/).

**Cai:2012:CIN**

- [587] Zixing Cai, Xingbao Liu, and Xiaoping Ren. CSA/IE: Novel clonal selection algorithm with information exchange for high dimensional global optimization problems. *Lecture Notes in Computer Science*, 7597:218–231, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_17/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_17/).

**Pinacho:2012:EAA**

- [588] Pedro Pinacho, Iván Pau, Max Chacón, and Sergio Sánchez. An ecological approach to anomaly detection: The EIA model. *Lecture Notes in Computer Science*, 7597:232–245, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_18/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_18/).

**Musselle:2012:RCD**

- [589] Chris Musselle. Rethinking concepts of the Dendritic Cell Algorithm for multiple data stream analysis. *Lecture Notes in Computer Science*, 7597:246–259, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_19/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_19/).

**Giancarlo:2012:SBM**

- [590] Raffaele Giancarlo and Filippo Utro. Stability-based model selection for high throughput genomic data: An algorithmic paradigm. *Lecture Notes in Computer Science*, 7597:260–270, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33757-4\\_20/](http://link.springer.com/chapter/10.1007/978-3-642-33757-4_20/).

**Anonymous:2012:FMbf**

- [591] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7597:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33757-4/1>.

**Faraj:2012:RSI**

- [592] Noura Faraj, Jean-Marc Thiery, Isabelle Bloch, Nadège Varsier, and Joe Wiart. Robust and scalable interactive freeform modeling of high definition medical images. *Lecture Notes in Computer Science*, 7599:1–11, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_1/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_1/).

**Cui:2012:ASA**

- [593] Xinyi Cui, Shaoting Zhang, Yiqiang Zhan, Mingchen Gao, and Junzhuo Huang. 3D anatomical shape Atlas construction using mesh quality preserved deformable models. *Lecture Notes in Computer Science*, 7599:12–21, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_2/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_2/).

**Albrecht:2012:AFR**

- [594] Thomas Albrecht and Thomas Vetter. Automatic fracture reduction. *Lecture Notes in Computer Science*, 7599:22–29, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_3/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_3/).

**Whitmarsh:2012:ARC**

- [595] Tristan Whitmarsh, Luis M. Del Río Barquero, Silvana Di Gregorio, and Jorge Malouf Sierra. Age-related changes in vertebral morphology by statistical shape analysis. *Lecture Notes in Computer Science*, 7599:30–39, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_4/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_4/).

**Zhang:2012:AMF**

- [596] Ju Zhang, Duane Malcolm, Jacqui Hislop-Jambrich, C. David L. Thomas, and Poul Nielsen. Automatic meshing of femur cortical surfaces from clinical CT images. *Lecture Notes in Computer Science*, 7599:40–48, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_5/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_5/).

**Jensen:2012:SSR**

- [597] Rasmus R. Jensen, Oline V. Olesen, Rasmus R. Paulsen, Mike van der Poel, and Rasmus Larsen. Statistical surface recovery: a study on ear canals. *Lecture Notes in Computer Science*, 7599:49–58, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_6/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_6/).

**Zhang:2012:ASC**

- [598] Hong Zhang, Yuanfeng Jiao, Yongjie Zhang, and Kenji Shimada. Automated segmentation of cerebral aneurysms based on conditional random field and gentle adaboost. *Lecture Notes in Computer Science*, 7599:59–69, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_7/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_7/).

**Kim:2012:CMD**

- [599] Youngjun Kim, Seungbin Lee, Frédérick Roy, Deukhee Lee, Laehyun Kim, and Sehyung Park. Carving mesh with deformation for soft tissue removal simulation. *Lecture Notes in Computer Science*, 7599:70–79, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_8/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_8/).

**Gao:2012:SRS**

- [600] Yi Gao and Sylvain Bouix. Synthesis of realistic subcortical anatomy with known surface deformations. *Lecture Notes in Computer Science*, 7599:80–88, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_9/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_9/).

**Gutman:2012:RSC**

- [601] Boris A. Gutman, Ryan McComb, Jay Sung, Won Moon, and Paul M. Thompson. Robust shape correspondence via spherical patch matching for atlases of partial skull models. *Lecture Notes in Computer Science*, 7599:89–100, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_10/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_10/).

**Kahnt:2012:FPM**

- [602] Max Kahnt, Heiko Ramm, Hans Lamecker, and Stefan Zachow. Feature-preserving, multi-material mesh generation using hierarchical oracles. *Lecture Notes in Computer Science*, 7599:101–111, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_11/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_11/).

**Li:2012:PCS**

- [603] Gang Li, Jingxin Nie, and Dinggang Shen. Partition cortical surfaces into supervertices: Method and application. *Lecture Notes in Computer Science*, 7599:112–121, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_12/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_12/).

**Park:2012:ABE**

- [604] Jeonghyung Park, Suzanne M. Shontz, and Corina S. Drapaca. Automatic boundary evolution tracking via a combined level set method and mesh warping technique: Application to hydrocephalus. *Lecture Notes in Computer Science*, 7599:122–133, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_13/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_13/).

**Pepe:2012:SRG**

- [605] Antonietta Pepe, Laura Brandolini, Marco Piastra, Juha Koikkalainen, and Jarmo Hietala. Simplified Reeb graph as effective shape descrip-

tor for the striatum. *Lecture Notes in Computer Science*, 7599:134–146, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_14/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_14/).

**Sibbing:2012:TAQ**

- [606] Dominik Sibbing, Hans-Christian Ebke, Kai Ingo Esser, and Leif Kobbelt. Topology aware quad dominant meshing for vascular structures. *Lecture Notes in Computer Science*, 7599:147–158, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_15/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_15/).

**Vogltreiter:2012:VRT**

- [607] Philip Vogltreiter, Markus Steinberger, Dieter Schmalstieg, and Bernhard Kainz. Volumetric real-time particle-based representation of large unstructured tetrahedral polygon meshes. *Lecture Notes in Computer Science*, 7599:159–168, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer.com/chapter/10.1007/978-3-642-33463-4\\_16/](http://link.springer.com/chapter/10.1007/978-3-642-33463-4_16/).

**Anonymous:2012:BMh**

- [608] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7599:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-33463-4/1>.

**Anonymous:2012:FMbg**

- [609] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7599:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-33463-4/1>.

**Finkel:2012:RPI**

- [610] Alain Finkel, Jérôme Leroux, and Igor Potapov, editors. *Reachability Problems: 6th International Workshop, RP 2012, Bordeaux, France, September 17–19, 2012. Proceedings*, volume 7550 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33511-X (print), 3-642-33512-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33512-9>.

**Golumbic:2012:GTC**

- [611] Martin Charles Golumbic, Michal Stern, Avivit Levy, and Gila Morgenstern, editors. *Graph-Theoretic Concepts in Computer Science: 38th In-*

*ternational Workshop, WG 2012, Jerusalem, Israel, June 26–28, 2012, Revised Selected Papers*, volume 7551 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCS9. ISBN 3-642-34610-3 (print), 3-642-34611-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34611-8>.

**Villa:2012:ANNa**

- [612] Alessandro E. P. Villa, Włodzisław Duch, Péter Érdi, Francesco Masulli, and Günther Palm, editors. *Artificial Neural Networks and Machine Learning — ICANN 2012: 22nd International Conference on Artificial Neural Networks, Lausanne, Switzerland, September 11–14, 2012, Proceedings, Part I*, volume 7552 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCS9. ISBN 3-642-33268-4 (print), 3-642-33269-2 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33269-2>.

**Villa:2012:ANNb**

- [613] Alessandro E. Villa, Włodzisław Duch, Péter Érdi, Francesco Masulli, and Günther Palm, editors. *Artificial Neural Networks and Machine Learning — ICANN 2012: 22nd International Conference on Artificial Neural Networks, Lausanne, Switzerland, September 11–14, 2012, Proceedings, Part II*, volume 7553 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCS9. ISBN 3-642-33265-X (print), 3-642-33266-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33266-1>.

**Junior:2012:PLB**

- [614] Francisco Heron de Carvalho Junior and Luis Soares Barbosa, editors. *Programming Languages: 16th Brazilian Symposium, SBLP 2012, Natal, Brazil, September 23–28, 2012. Proceedings*, volume 7554 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCS9. ISBN 3-642-33181-5 (print), 3-642-33182-3 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33182-4>.

**Hu:2012:CLT**

- [615] Hao Hu, Xiaoning Shi, Robert Stahlbock, and Stefan Voß, editors. *Computational Logistics: Third International Conference, ICCL 2012, Shanghai, China, September 24–26, 2012. Proceedings*, volume 7555 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA,

2012. CODEN LNCSD9. ISBN 3-642-33586-1 (print), 3-642-33587-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33587-7>.

**Domingo-Ferrer:2012:PSD**

- [616] Josep Domingo-Ferrer and Ilenia Tinnirello, editors. *Privacy in Statistical Databases: UNESCO Chair in Data Privacy, International Conference, PSD 2012, Palermo, Italy, September 26–28, 2012. Proceedings*, volume 7556 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33626-4 (print), 3-642-33627-2 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33627-0>.

**Ramsay:2012:AIM**

- [617] Allan Ramsay and Gennady Agre, editors. *Artificial Intelligence: Methodology, Systems, and Applications: 15th International Conference, AIMSA 2012, Varna, Bulgaria, September 12–15, 2012. Proceedings*, volume 7557 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33184-X (print), 3-642-33185-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33185-5>.

**Popescu:2012:AWB**

- [618] Elvira Popescu, Qing Li, Ralf Klamma, Howard Leung, and Marcus Specht, editors. *Advances in Web-Based Learning — ICWL 2012: 11th International Conference, Sinaia, Romania, September 2–4, 2012. Proceedings*, volume 7558 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33641-8 (print), 3-642-33642-6 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33642-3>.

**Salah:2012:HBUb**

- [619] Albert Ali Salah, Javier Ruiz del Solar, Çetin Meriçli, and Pierre-Yves Oudeyer, editors. *Human Behavior Understanding: Third International Workshop, HBU 2012, Vilamoura, Portugal, October 7, 2012. Proceedings*, volume 7559 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34013-X (print), 3-642-34014-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34014-7>.



**Kahl:2012:RAM**

- [620] Wolfram Kahl and Timothy G. Griffin, editors. *Relational and Algebraic Methods in Computer Science: 13th International Conference, RAMiCS 2012, Cambridge, UK, September 17–20, 2012. Proceedings*, volume 7560 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33313-3 (print), 3-642-33314-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ??? URL <http://www.springerlink.com/content/978-3-642-33314-9>.

**Ehrig:2012:GTI**

- [621] Hartmut Ehrig, Gregor Engels, Hans-Jörg Kreowski, and Grzegorz Rozenberg, editors. *Graph Transformations: 6th International Conference, ICGT 2012, Bremen, Germany, September 24–29, 2012. Proceedings*, volume 7562 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33653-1 (print), 3-642-33654-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ??? URL <http://www.springerlink.com/content/978-3-642-33654-6>.

**Ravenscroft:2012:CLC**

- [622] Andrew Ravenscroft, Stefanie Lindstaedt, Carlos Delgado Kloos, and Davinia Hernández-Leo, editors. *21st Century Learning for 21st Century Skills: 7th European Conference of Technology Enhanced Learning, EC-TEL 2012, Saarbrücken, Germany, September 18–21, 2012. Proceedings*, volume 7563 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33262-5 (print), 3-642-33263-3 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ??? URL <http://www.springerlink.com/content/978-3-642-33263-0>.

**Cortesi:2012:CIS**

- [623] Agostino Cortesi, Nabendu Chaki, Khalid Saeed, and Sławomir Wierzchoń, editors. *Computer Information Systems and Industrial Management: 11th IFIP TC 8 International Conference, CISIM 2012, Venice, Italy, September 26–28, 2012. Proceedings*, volume 7564 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33259-5 (print), 3-642-33260-9 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ??? URL <http://www.springerlink.com/content/978-3-642-33260-9>.

**Ganascia:2012:DSI**

- [624] Jean-Gabriel Ganascia, Philippe Lenca, and Jean-Marc Petit, editors. *Discovery Science: 15th International Conference, DS 2012, Lyon, France, October 29–31, 2012. Proceedings*, volume 7569 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33491-1 (print), 3-642-33492-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33492-4>.

**Durrleman:2012:STI**

- [625] Stanley Durrleman, Tom Fletcher, Guido Gerig, and Marc Niethammer, editors. *Spatio-temporal Image Analysis for Longitudinal and Time-Series Image Data: Second International Workshop, STIA 2012, Held in Conjunction with MICCAI 2012, Nice, France, October 1, 2012. Proceedings*, volume 7570 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33554-3 (print), 3-642-33555-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33555-6>.

**Fitzgibbon:2012:CV Ea**

- [626] Andrew Fitzgibbon, Svetlana Lazebnik, Pietro Perona, Yoichi Sato, and Cordelia Schmid, editors. *Computer Vision — ECCV 2012: 12th European Conference on Computer Vision, Florence, Italy, October 7–13, 2012, Proceedings, Part I*, volume 7572 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33717-1 (print), 3-642-33718-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33718-5>.

**Fitzgibbon:2012:CV Eb**

- [627] Andrew Fitzgibbon, Svetlana Lazebnik, Pietro Perona, Yoichi Sato, and Cordelia Schmid, editors. *Computer Vision — ECCV 2012: 12th European Conference on Computer Vision, Florence, Italy, October 7–13, 2012, Proceedings, Part III*, volume 7574 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33711-2 (print), 3-642-33712-0 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33712-3>.

**Fitzgibbon:2012:CV Ec**

- [628] Andrew Fitzgibbon, Svetlana Lazebnik, Pietro Perona, Yoichi Sato, and Cordelia Schmid, editors. *Computer Vision — ECCV 2012: 12th Eu-*

ropean Conference on Computer Vision, Florence, Italy, October 7–13, 2012, *Proceedings, Part VII*, volume 7578 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33785-6 (print), 3-642-33786-4 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33786-4>.

**Marquez:2012:CGX**

- [629] Alberto Márquez, Pedro Ramos, and Jorge Urrutia, editors. *Computational Geometry: XIV Spanish Meeting on Computational Geometry, EGC 2011, Dedicated to Ferran Hurtado on the Occasion of His 60th Birthday, Alcalá de Henares, Spain, June 27–30, 2011, Revised Selected Papers*, volume 7579 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34190-X (print), 3-642-34191-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34191-5>.

**Cranefield:2012:ABS**

- [630] Stephen Cranefield and Insu Song, editors. *Agent Based Simulation for a Sustainable Society and Multi-agent Smart Computing: International Workshops, PRIMA 2011, Wollongong, Australia, November 14, 2011 Revised Selected Papers*, volume 7580 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-35611-7 (print), 3-642-35612-5 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-35612-4>.

**Fusiello:2012:CVEa**

- [631] Andrea Fusiello, Vittorio Murino, and Rita Cucchiara, editors. *Computer Vision — ECCV 2012. Workshops and Demonstrations: Florence, Italy, October 7–13, 2012, Proceedings, Part I*, volume 7583 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33862-3 (print), 3-642-33863-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33863-2>.

**Fusiello:2012:CVEb**

- [632] Andrea Fusiello, Vittorio Murino, and Rita Cucchiara, editors. *Computer Vision — ECCV 2012. Workshops and Demonstrations: Florence, Italy, October 7–13, 2012, Proceedings, Part II*, volume 7584 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33867-4 (print), 3-642-33868-2 (e-book).

ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33868-7>.

**Fusiello:2012:CVEc**

- [633] Andrea Fusiello, Vittorio Murino, and Rita Cucchiara, editors. *Computer Vision — ECCV 2012. Workshops and Demonstrations: Florence, Italy, October 7–13, 2012, Proceedings, Part III*, volume 7585 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33884-4 (print), 3-642-33885-2 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33885-4>.

**France:2012:MDE**

- [634] Robert B. France, Jürgen Kazmeier, Ruth Breu, and Colin Atkinson, editors. *Model Driven Engineering Languages and Systems: 15th International Conference, MODELS 2012, Innsbruck, Austria, September 30–October 5, 2012. Proceedings*, volume 7590 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33665-5 (print), 3-642-33666-3 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33666-9>.

**Paoli:2012:SOC**

- [635] Flavio De Paoli, Ernesto Pimentel, and Gianluigi Zavattaro, editors. *Service-Oriented and Cloud Computing: First European Conference, ES-OCC 2012, Bertinoro, Italy, September 19–21, 2012. Proceedings*, volume 7592 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33426-1 (print), 3-642-33427-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33427-6>.

**Bolc:2012:CVG**

- [636] Leonard Bolc, Ryszard Tadeusiewicz, Leszek J. Chmielewski, and Konrad Wojciechowski, editors. *Computer Vision and Graphics: International Conference, ICCVG 2012, Warsaw, Poland, September 24–26, 2012. Proceedings*, volume 7594 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33563-2 (print), 3-642-33564-0 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33564-8>.

**Jurdzinski:2012:FMA**

- [637] Marcin Jurdziński and Dejan Ničković, editors. *Formal Modeling and Analysis of Timed Systems: 10th International Conference, FORMATS 2012, London, UK, September 18–20, 2012. Proceedings*, volume 7595 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33364-8 (print), 3-642-33365-6 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33365-1>.

**Richa:2012:SSS**

- [638] Andréa W. Richa and Christian Scheideler, editors. *Stabilization, Safety, and Security of Distributed Systems: 14th International Symposium, SSS 2012, Toronto, Canada, October 1–4, 2012. Proceedings*, volume 7596 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33535-7 (print), 3-642-33536-5 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33536-5>.

**Coello:2012:AIS**

- [639] Carlos A. Coello Coello, Julie Greensmith, Natalio Krasnogor, Pietro Liò, Giuseppe Nicosia, and Mario Pavone, editors. *Artificial Immune Systems: 11th International Conference, ICARIS 2012, Taormina, Italy, August 28–31, 2012. Proceedings*, volume 7597 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33756-2 (print), 3-642-33757-0 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33757-4>.

**Levine:2012:MPM**

- [640] Joshua A. Levine, Rasmus R. Paulsen, and Yongjie Zhang, editors. *Mesh Processing in Medical Image Analysis 2012: MICCAI 2012 International Workshop, MeshMed 2012, Nice, France, October 1, 2012. Proceedings*, volume 7599 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33462-8 (print), 3-642-33463-6 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-33463-4>.