A Bibliography of Papers in *Lecture Notes in Computer Science* (2012): Volumes 7600–7649

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`, `beebe@acm.org`,
`beebe@computer.org` (Internet)
WWW URL: `http://www.math.utah.edu/~beebe/`

14 October 2017
Version 1.01

Title word cross-reference

References

Guo:2012:CSQ

[1] Xi Guo, Chuan Xiao, and Yoshiharu Ishikawa. Combination skyline queries. *Lecture Notes in Computer Science*, 7600:1–30, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34179-3_1/`.

Kern-Isberner:2012:CEA

[2] Gabriele Kern-Isberner and Christoph Beierle. Comparing and evaluating approaches to probabilistic reasoning: Theory, implementation, and applications. *Lecture Notes in Computer Science*, 7600:31–75, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34179-3_2/`.

Thalheim:2012:SAC

[3] Bernhard Thalheim. The science and art of conceptual modelling. *Lecture Notes in Computer Science*, 7600:76–105, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34179-3_3/`.

Heendaliya:2012:PLQ

[4] Lasanthi Heendaliya, Dan Lin, and Ali Hurson. Predictive line queries for traffic prediction. *Lecture Notes in Computer Science*, 7600:106–133, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34179-3_4/`.

Asiki:2012:DBS

[5] Athanasia Asiki and Dimitrios Tsoumakos. A DHT-based system for the management of loosely structured, multidimensional data. *Lecture Notes in Computer Science*, 7600:134–166, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34179-3_5/`.

Bouchou:2012:GIV

[6] Béatrice Bouchou and Mirian Halfeld-Ferrari. A grammarware for the incremental validation of integrity constraints on XML documents under multiple updates. *Lecture Notes in Computer Science*, 7600:167–197, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34179-3_6/`.

Cao:2012:DSE

[7] Huiping Cao and Shawn Bowers. Database support for enabling data-discovery queries over semantically-annotated observational data. *Lecture Notes in Computer Science*, 7600:198–228, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34179-3_7/`.

Han:2012:PRW

[8] Jingyu Han, Kejia Chen, and Dawei Jiang. Probabilistically ranking Web article quality based on evolution patterns. *Lecture Notes in Computer Science*, 7600:229–258, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34179-3_8/`.

Anonymous:2012:BMa

[9] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7600: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bbm:978-3-642-34179-3/1`.

Anonymous:2012:FMa

[10] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7600: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-34179-3/1`.

Hampshire:2012:PSC

[11] Thomas E. Hampshire, Holger R. Roth, Darren J. Boone, Greg Slabaugh, and Steve Halligan. Prone to supine CT colonography registration using a landmark and intensity composite method. *Lecture Notes in Computer Science*, 7601:1–9, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33612-6_1/`.

Roth:2012:ECV

[12] Holger R. Roth, Darren J. Boone, Steve Halligan, and Thomas E. Hampshire. External clinical validation of prone and supine CT colonography registration. *Lecture Notes in Computer Science*, 7601:10–19, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33612-6_2/`.

Shi:2012:ETC

[13] Rui Shi, Wei Zeng, Jerome Zhengrong Liang, and Xianfeng David Gu. Efficient topological cleaning for visual colon surface flattening. *Lecture Notes in Computer Science*, 7601:20–29, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33612-6_3/`.

Nappi:2012:AVD

[14] Janne J. Näppi, Se Hyung Kim, and Hiroyuki Yoshida. Adaptive volumetric detection of lesions for minimal-preparation dual-energy CT colonography. *Lecture Notes in Computer Science*, 7601:30–39, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33612-6_4/`.

Nappi:2012:CAD

[15] Janne J. Näppi, Masanori Imuta, Yasuyuki Yamashita, and Hiroyuki Yoshida. Computer-aided detection for ultra-low-dose CT colonography. *Lecture Notes in Computer Science*, 7601:40–48, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33612-6_5/`.

Kim:2012:ACS

[16] Chang Won Kim and Jong Hyo Kim. Application of CT simulation technique for virtual ultra-low-dose trial in CT colonography. *Lecture Notes in Computer Science*, 7601:49–57, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33612-6_6/`.

Yang:2012:ACS

[17] Zepa Yang, Hyeong min Jin, and Jong Hyo Kim. Application of CT simulation technique for virtual fecal tagging in CTC. *Lecture Notes in Computer Science*, 7601:58–68, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33612-6_7/`.

Nappi:2012:ACA

[18] Janne J. Näppi, Don Rockey, Daniele Regge, and Hiroyuki Yoshida. Application of CT acquisition parameters as features in computer-aided detection for CT colonography. *Lecture Notes in Computer Science*, 7601: 69–77, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33612-6_8/`.

Lee:2012:CPS

[19] Sang Ho Lee, Janne J. Näppi, and Hiroyuki Yoshida. Comparative performance of state-of-the-art classifiers in computer-aided detection for CT colonography. *Lecture Notes in Computer Science*, 7601:78–87, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33612-6_9/`.

Cai:2012:PSD

[20] Wenli Cai, June-Goo Lee, Da Zhang, Christina Piel, and Hiroyuki Yoshida. Piecewise structural diffusion defined on shape index for noise reduction in dual-energy CT images. *Lecture Notes in Computer Science*, 7601:88–96, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33612-6_10/.

Mahapatra:2012:SLB

[21] Dwarikanath Mahapatra, Peter Schueffler, Jeroen A. W. Tielbeek, and Joachim M. Buhmann. A supervised learning based approach to detect Crohn's disease in abdominal MR volumes. *Lecture Notes in Computer Science*, 7601:97–106, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33612-6_11/.

Yigitsoy:2012:PMC

[22] Mehmet Yigitsoy, Sonja Kirchhoff, Maximilian F. Reiser, and Nassir Navab. Out-of-plane motion compensation in cine-MRI. *Lecture Notes in Computer Science*, 7601:107–115, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33612-6_12/.

Nawarathna:2012:RTP

[23] Ruwan Nawarathna, JungHwan Oh, Jayantha Muthukudage, Wallapak Tavanapong, and Johnny Wong. Real-time phase boundary detection for colonoscopy videos using motion vector templates. *Lecture Notes in Computer Science*, 7601:116–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33612-6_13/.

Tomoshige:2012:RCS

[24] Sho Tomoshige, Elco Oost, Akinobu Shimizu, Hidefumi Watanabe, and Hidefumi Kobatake. Relaxed conditional statistical shape models and their application to non-contrast liver segmentation. *Lecture Notes in Computer Science*, 7601:126–136, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33612-6_14/.

Kiriyanthan:2012:LBP

[25] Silja Kiriyanthan, Ketut Fundana, Tahir Majeed, and Philippe C. Cattin. A landmark-based primal-dual approach for discontinuity preserving registration. *Lecture Notes in Computer Science*, 7601:137–146, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33612-6_15/.

Samei:2012:PLM

[26] Golnoosh Samei, Christine Tanner, and Gabor Székely. Predicting liver motion using exemplar models. *Lecture Notes in Computer Science*, 7601: 147–157, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33612-6_16/`.

Upadhyay:2012:SAD

[27] Sanat Upadhyay, Manos Papadakis, Saurabh Jain, and Gregory Gladish. Semi-automatic discrimination of normal tissue and liver cancer lesions in contrast enhanced X-ray CT-scans. *Lecture Notes in Computer Science*, 7601:158–167, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33612-6_17/`.

Luu:2012:EDF

[28] Ha Manh Luu, Adriaan Moelker, Camiel Klink, Adrienne Mendrik, and Wiro Niessen. Evaluation of diffusion filters for 3D CTA liver vessel enhancement. *Lecture Notes in Computer Science*, 7601:168–177, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33612-6_18/`.

Huang:2012:SAL

[29] Weimin Huang, Wei Xiong, Jiayin Zhou, Jing Zhang, Tao Yang, Jiang Liu, and Yi Su. 3D shape analysis for liver-gallbladder anatomical structure retrieval. *Lecture Notes in Computer Science*, 7601:178–187, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33612-6_19/`.

Liu:2012:TSM

[30] Jianfei Liu, Shijun Wang, Marius G. Linguraru, and Ronald M. Summers. Tumor sensitive matching flow: An approach for ovarian cancer metastasis detection and segmentation. *Lecture Notes in Computer Science*, 7601: 188–197, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33612-6_20/`.

Anonymous:2012:FMb

[31] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7601: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33612-6/1`.

Papazoglou:2012:CBM

[32] Mike P. Papazoglou. Cloud blueprint: a model-driven approach to configuring federated clouds. *Lecture Notes in Computer Science*, 7602:1, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33609-6_1`.

Feron:2012:MBA

[33] Eric Féron. Model-based auto coding of embedded control software with full semantics. *Lecture Notes in Computer Science*, 7602:2, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33609-6_2`.

Karam:2012:MEU

[34] Roula Karam, Piero Fraternali, Alessandro Bozzon, and Luca Galli. Modeling end-users as contributors in human computation applications. *Lecture Notes in Computer Science*, 7602:3–15, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_3/`.

Rodriguez-Gracia:2012:RAA

[35] Diego Rodríguez-Gracia, Javier Criado, Luis Iribarne, and Nicolás Padilla. Runtime adaptation of architectural models: An approach for adapting user interfaces. *Lecture Notes in Computer Science*, 7602:16–30, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_4/`.

Batini:2012:MQL

[36] Carlo Batini, Marco Comerio, and Gianluigi Viscusi. Managing quality of large set of conceptual schemas in public administration: Methods and experiences. *Lecture Notes in Computer Science*, 7602:31–42, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_5/`.

Maitrehenry:2012:MBS

[37] Sébastien Maitrehenry, Sylvain Metge, Yamine Aït-Ameur, and Pierre Bieber. An MDE-based synthesis of aircraft safety models. *Lecture Notes in Computer Science*, 7602:43–54, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_6/`.

Djeddai:2012:IFD

[38] Selma Djeddai, Martin Strecker, and Mohamed Mezghiche. Integrating a formal development for DSLs into meta-modeling. *Lecture Notes in Computer Science*, 7602:55–66, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_7/`.

Geepalla:2012:TST

[39] Emsaieb Geepalla, Behzad Bordbar, and Joel Last. Transformation of spatio-temporal role based access control specification to alloy. *Lecture Notes in Computer Science*, 7602:67–78, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_8/`.

Mustapha:2012:MOW

[40] Nesrine Ben Mustapha, Marie-Aude Aufaure, Hajer Baazaoui Zghal, and Henda Ben Ghezala. Modular ontological warehouse for adaptative information search. *Lecture Notes in Computer Science*, 7602: 79–90, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_9/`.

Djezzar:2012:ORC

[41] Meriem Djezzar, Mounir Hemam, and Zizette Boufaida. Ontological reclassification of individuals: a multi-viewpoints approach. *Lecture Notes in Computer Science*, 7602:91–102, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_10/`.

Almendros-Jimenez:2012:TVS

[42] Jesús M. Almendros-Jiménez and Luis Iribarne. Transformation and validation with SWRL and OWL of ODM-based models. *Lecture Notes in Computer Science*, 7602:103–115, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_11/`.

Yanagisawa:2012:CBQ

[43] Takashi Yanagisawa and Takao Miura. Context-based query using dependency structures based on latent topic model. *Lecture Notes in Computer Science*, 7602:116–128, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_12/`.

Karabadji:2012:DTS

[44] Nour El Islem Karabadji, Hassina Seridi, Ilyes Khelf, and Lakhdar Laouar. Decision tree selection in an industrial machine fault diagnostics. *Lecture Notes in Computer Science*, 7602:129–140, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_13/`.

Dahi:2012:CCI

[45] Fairouz Dahi and Nora Bounour. Crosscutting concerns identification approach based on the sequence diagram analysis. *Lecture Notes in Computer Science*, 7602:141–152, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_14/`.

Barbier:2012:IU

[46] Franck Barbier and Eric Cariou. Inductive UML. *Lecture Notes in Computer Science*, 7602:153–161, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_15/`.

Pires:2012:FSV

[47] Anthony Fernandes Pires, Thomas Polacsek, and Stéphane Duprat. Formal software verification at model and at source code levels. *Lecture Notes in Computer Science*, 7602:162–169, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_16/`.

Soussi:2012:EOL

[48] Rania Soussi and Marie-Aude Aufaure. Enterprise ontology learning for heterogeneous graphs extraction. *Lecture Notes in Computer Science*, 7602:170–177, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_17/`.

Taktak:2012:TPE

[49] Saïd Taktak and Jamel Feki. Toward propagating the evolution of data warehouse on data marts. *Lecture Notes in Computer Science*, 7602:178–185, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33609-6_18/`.

Anonymous:2012:BMb

[50] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7602: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bbm:978-3-642-33609-6/1`.

Anonymous:2012:FMc

[51] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7602: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33609-6/1`.

Harland:2012:OPS

[52] Lee Harland. Open PHACTS: a semantic knowledge infrastructure for public and commercial drug discovery research. *Lecture Notes in Computer Science*, 7603:1–7, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33876-2_1/`.

Pradel:2012:AEU

[53] Camille Pradel. Allowing end users to query graph-based knowledge bases. *Lecture Notes in Computer Science*, 7603:8–15, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33876-2_2/`.

deBoer:2012:NHP

[54] Victor de Boer, Michiel Hildebrand, Lora Aroyo, Pieter De Leenheer, and Chris Dijkshoorn. Nichesourcing: Harnessing the power of crowds of experts. *Lecture Notes in Computer Science*, 7603:16–20, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33876-2_3/`.

Schneider:2012:DAS

[55] Jodi Schneider, Brian Davis, and Adam Wyner. Dimensions of argumentation in social media. *Lecture Notes in Computer Science*, 7603: 21–25, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33876-2_4/`.

dAmato:2012:SKD

[56] Claudia d'Amato, Volha Bryl, and Luciano Serafini. Semantic knowledge discovery from heterogeneous data sources. *Lecture Notes in Computer*

Science, 7603:26–31, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_5/.

Joorabchi:2012:ASM

[57] Arash Joorabchi and Abdulhussain E. Mahdi. Automatic subject metadata generation for scientific documents using Wikipedia and genetic algorithms. *Lecture Notes in Computer Science*, 7603:32–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_6/.

Ferre:2012:ADE

[58] Sébastien Ferré and Sebastian Rudolph. Advocatus Diaboli — exploratory enrichment of ontologies with negative constraints. *Lecture Notes in Computer Science*, 7603:42–56, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_7/.

Buhmann:2012:UOA

[59] Lorenz Bühmann and Jens Lehmann. Universal OWL axiom enrichment for large knowledge bases. *Lecture Notes in Computer Science*, 7603:57–71, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_8/.

Latiri:2012:PCN

[60] Chiraz Latiri, Lamia Ben Ghezaiel, and Mohamed Ben Ahmed. Proxemic conceptual network based on ontology enrichment for representing documents in IR. *Lecture Notes in Computer Science*, 7603:72–86, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_9/.

Gerber:2012:EMN

[61] Daniel Gerber and Axel-Cyrille Ngonga Ngomo. Extracting multilingual natural-language patterns for RDF predicates. *Lecture Notes in Computer Science*, 7603:87–96, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_10/.

Kim:2012:IPN

[62] Myung Hee Kim and Paul Compton. Improving the performance of a named entity recognition system with knowledge acquisition. *Lecture*

Notes in Computer Science, 7603:97–113, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_11/.

Presutti:2012:KEB

[63] Valentina Presutti, Francesco Draicchio, and Aldo Gangemi. Knowledge extraction based on discourse representation theory and linguistic frames. *Lecture Notes in Computer Science*, 7603:114–129, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_12/.

Tonelli:2012:ISF

[64] Sara Tonelli, Volha Bryl, Claudio Giuliano, and Luciano Serafini. Investigating the semantics of frame elements. *Lecture Notes in Computer Science*, 7603:130–143, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_13/.

Atencia:2012:KPK

[65] Manuel Atencia, Jérôme David, and François Scharffe. Keys and pseudo-keys detection for Web datasets cleansing and interlinking. *Lecture Notes in Computer Science*, 7603:144–153, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_14/.

Dividino:2012:RRP

[66] Renata Dividino, Gerd Gröner, Stefan Scheglmann, and Matthias Thimm. Ranking RDF with provenance via preference aggregation. *Lecture Notes in Computer Science*, 7603:154–163, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_15/.

Umbrich:2012:FWS

[67] Jürgen Umbrich, Marcel Karnstedt, Aidan Hogan, and Josiane Xavier Parreira. Freshening up while staying fast: Towards hybrid SPARQL queries. *Lecture Notes in Computer Science*, 7603:164–174, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_16/.

Hellmann:2012:LDA

[68] Sebastian Hellmann, Jens Lehmann, and Sören Auer. Linked-data aware URI schemes for referencing text fragments. *Lecture Notes in Computer Science*, 7603:175–184, 2012. CODEN LNCSD9. ISSN 0302-9743 (print),

1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_17/.

Hermann:2012:IGP

[69] Alice Hermann, Sébastien Ferré, and Mireille Ducassé. An interactive guidance process supporting consistent updates of RDFS graphs. *Lecture Notes in Computer Science*, 7603:185–199, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_18/.

Campinas:2012:ERM

[70] Stéphane Campinas, Renaud Delbru, and Giovanni Tummarello. Effective retrieval model for entity with multi-valued attributes: BM25MF and beyond. *Lecture Notes in Computer Science*, 7603:200–215, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_19/.

Blomqvist:2012:OTM

[71] Eva Blomqvist, Azam Seil Sepour, and Valentina Presutti. Ontology testing- methodology and tool. *Lecture Notes in Computer Science*, 7603:216–226, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33876-2_20/.

Anonymous:2012:FMd

[72] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7603:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33876-2/1.

Wiedermann:2012:CNC

[73] Jiří Wiedermann. Computability and non-computability issues in amorphous computing. *Lecture Notes in Computer Science*, 7604:1–9, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_1/.

Ancona:2012:SSI

[74] Davide Ancona and Giovanni Lagorio. Static single information form for abstract compilation. *Lecture Notes in Computer Science*, 7604:10–27, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_2/.

Bensch:2012:IDS

[75] Suna Bensch, Markus Holzer, Martin Kutrib, and Andreas Malcher. Input-driven stack automata. *Lecture Notes in Computer Science*, 7604: 28–42, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_3/.

Bodlaender:2012:PIM

[76] Marijke Hans L. Bodlaender. Probabilistic inference and monadic second order logic. *Lecture Notes in Computer Science*, 7604:43–56, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_4/.

Bodlaender:2012:CVW

[77] Marijke Hans L. Bodlaender and Cor A. J. Hurkens. Cinderella versus the wicked stepmother. *Lecture Notes in Computer Science*, 7604: 57–71, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_5/.

Boreale:2012:WAC

[78] Michele Boreale and Michela Paolini. Worst- and average-case privacy breaches in randomization mechanisms. *Lecture Notes in Computer Science*, 7604:72–86, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_6/.

Brengos:2012:WBC

[79] Tomasz Brengos. Weak bisimulations for coalgebras over ordered functors. *Lecture Notes in Computer Science*, 7604:87–103, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_7/.

Carayol:2012:CFL

[80] Arnaud Carayol and Zoltán Ésik. A context-free linear ordering with an undecidable first-order theory. *Lecture Notes in Computer Science*, 7604: 104–118, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_8/.

Deng:2012:OBQ

[81] Yuxin Deng and Yuan Feng. Open bisimulation for quantum processes. *Lecture Notes in Computer Science*, 7604:119–133, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_9/.

Gadducci:2012:MLO

[82] Fabio Gadducci, Giacoma Valentina Monreale, and Ugo Montanari. A modular LTS for open reactive systems. *Lecture Notes in Computer Science*, 7604:134–148, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_10/.

Jancar:2012:UCS

[83] Petr Jančar, Prateek Karandikar, and Philippe Schnoebelen. Unidirectional channel systems can be tested. *Lecture Notes in Computer Science*, 7604:149–163, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_11/.

Jiraskova:2012:PSC

[84] Galina Jirásková and Tomáš Masopust. On properties and state complexity of deterministic state-partition automata. *Lecture Notes in Computer Science*, 7604:164–178, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_12/.

Jiraskova:2012:UFD

[85] Galina Jirásková and Benedek Nagy. On union-free and deterministic union-free languages. *Lecture Notes in Computer Science*, 7604:179–192, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_13/.

Kurz:2012:CLI

[86] Alexander Kurz, Tomoyuki Suzuki, and Emilio Tuosto. A characterisation of languages on infinite alphabets with nominal regular expressions. *Lecture Notes in Computer Science*, 7604:193–208, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_14/.

Kufner:2012:FVD

[87] Philipp Küfner, Uwe Nestmann, and Christina Rickmann. Formal verification of distributed algorithms. *Lecture Notes in Computer Science*, 7604: 209–224, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_15/.

LaTorre:2012:TLM

[88] Salvatore La Torre and Margherita Napoli. A temporal logic for multi-threaded programs. *Lecture Notes in Computer Science*, 7604:225–239, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_16/.

Liang:2012:ACD

[89] Hongyu Liang. The algorithmic complexity of k-domatic partition of graphs. *Lecture Notes in Computer Science*, 7604:240–249, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_17/.

Luttik:2012:UPD

[90] Bas Luttik. Unique parallel decomposition in branching and weak bisimulation semantics. *Lecture Notes in Computer Science*, 7604:250–264, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_18/.

Luttgen:2012:MIA

[91] Gerald Lüttgen and Walter Vogler. Modal interface automata. *Lecture Notes in Computer Science*, 7604:265–279, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_19/.

Beffara:2012:PE

[92] Emmanuel Beffara and Virgile Mogbil. Proofs as executions. *Lecture Notes in Computer Science*, 7604:280–294, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33475-7_20/.

Anonymous:2012:FMe

[93] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7604: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33475-7/1.

Amir:2012:APD

[94] Amihood Amir and Avivit Levy. Approximate period detection and correction. *Lecture Notes in Computer Science*, 7608:1–15, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_1/.

Baeza-Yates:2012:UDW

[95] Ricardo Baeza-Yates and Yoelle Maarek. Usage data in Web search: Benefits and limitations. *Lecture Notes in Computer Science*, 7608:16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34109-0_2.

Witten:2012:SDR

[96] Ian Witten. Semantic document representation: Do it with wikification. *Lecture Notes in Computer Science*, 7608:17, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34109-0_3.

Abdullin:2012:CHD

[97] Artur Abdullin and Olfa Nasraoui. Clustering heterogeneous data with mutual semi-supervision. *Lecture Notes in Computer Science*, 7608:18–29, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_4/.

Abeliuk:2012:CST

[98] Andrés Abeliuk and Gonzalo Navarro. Compressed suffix trees for repetitive texts. *Lecture Notes in Computer Science*, 7608:30–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_5/.

Amir:2012:CMS

[99] Amihood Amir, Haim Paryenty, and Liam Roditty. Configurations and minority in the string consensus problem. *Lecture Notes in Computer Science*, 7608:42–53, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_6/.

An:2012:SNE

[100] Xiangdong An, Nick Cercone, and Hai Wang. A study on novelty evaluation in biomedical information retrieval. *Lecture Notes in Computer Science*, 7608:54–60, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_7/.

Badkobeh:2012:CME

[101] Golnaz Badkobeh and Maxime Crochemore. Computing the maximal-exponent repeats of an overlap-free string in linear time. *Lecture Notes in Computer Science*, 7608:61–72, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_8/.

Balog:2012:CRS

[102] Krisztian Balog and Robert Neumayer. Collection ranking and selection for federated entity search. *Lecture Notes in Computer Science*, 7608: 73–85, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_9/.

Bannai:2012:ELF

[103] Hideo Bannai and Shunsuke Inenaga. Efficient LZ78 factorization of grammar compressed text. *Lecture Notes in Computer Science*, 7608: 86–98, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_10/.

Beller:2012:SEC

[104] Timo Beller and Katharina Berger. Space-efficient computation of maximal and supermaximal repeats in genome sequences. *Lecture Notes in Computer Science*, 7608:99–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_11/.

Jabeur:2012:AMI

[105] Lamjed Ben Jabeur and Lynda Tamine. Active microbloggers: Identifying influencers, leaders and discussers in microblogging networks. *Lecture Notes in Computer Science*, 7608:111–117, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_12/.

Birmele:2012:EBE

[106] Etienne Birmelé and Pierluigi Crescenzi. Efficient bubble enumeration in directed graphs. *Lecture Notes in Computer Science*, 7608: 118–129, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_13/.

Blin:2012:LCS

[107] Guillaume Blin and Minghui Jiang. The longest common subsequence problem with crossing-free arc-annotated sequences. *Lecture Notes in Computer Science*, 7608:130–142, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_14/.

Bravo-Marquez:2012:ZLD

[108] Felipe Bravo-Marquez and Manuel Manriquez. A Zipf-like distant supervision approach for multi-document summarization using Wikinews articles. *Lecture Notes in Computer Science*, 7608:143–154, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_15/.

Brisaboa:2012:RDR

[109] Nieves R. Brisaboa and Ana Cerdeira-Pena. Ranked document retrieval in (almost) no space. *Lecture Notes in Computer Science*, 7608: 155–160, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_16/.

Cambazoglu:2012:IRP

[110] B. Barla Cambazoglu. Impact of regionalization on performance of Web search engine result caches. *Lecture Notes in Computer Science*, 7608: 161–166, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_17/.

Claude:2012:WM

[111] Francisco Claude and Gonzalo Navarro. The wavelet matrix. *Lecture Notes in Computer Science*, 7608:167–179, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_18/.

Claude:2012:IGB

[112] Francisco Claude and Gonzalo Navarro. Improved grammar-based compressed indexes. *Lecture Notes in Computer Science*, 7608:180–192, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_19/.

deGroc:2012:EPR

[113] Clément de Groc and Xavier Tannier. Experiments on pseudo relevance feedback using graph random walks. *Lecture Notes in Computer Science*, 7608:193–198, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34109-0_20/.

Anonymous:2012:FMf

[114] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7608: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34109-0/1.

Beyer:2012:LDV

[115] Dirk Beyer and Alexander K. Petrenko. Linux driver verification. *Lecture Notes in Computer Science*, 7610:1–6, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34032-1_1/.

Kok:2012:BDP

[116] Joost Kok, Anna-Lena Lamprecht, Fons J. Verbeek, and Mark D. Wilkinson. Bioscientific data processing and modeling. *Lecture Notes in Computer Science*, 7610:7–11, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34032-1_2/.

Sanchez-Faddeev:2012:UMO

[117] Hernando Sanchez-Faddeev, Michael T. M. Emmerich, Fons J. Verbeek, and Andrew H. Henry. Using multiobjective optimization and energy minimization to design an isoform-selective ligand of the 14-3-3 protein. *Lecture Notes in Computer Science*, 7610:12–24, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34032-1_3/.

Yan:2012:SHT

[118] Kuan Yan and Fons J. Verbeek. Segmentation for high-throughput image analysis: Watershed masked clustering. *Lecture Notes in Computer Science*, 7610:25–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34032-1_4/.

Nezhinsky:2012:ERS

[119] Alexander E. Nezhinsky and Fons J. Verbeek. Efficient and robust shape retrieval from deformable templates. *Lecture Notes in Computer Science*, 7610:42–55, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34032-1_5/.

Wood:2012:ODD

[120] Ian Wood, Ben Vandervalk, Luke McCarthy, and Mark D. Wilkinson. OWL-DL domain-models as abstract workflows. *Lecture Notes in Computer Science*, 7610:56–66, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34032-1_6/.

vonReinersdorff:2012:PDI

[121] Andrea Braun von Reinersdorff, Tiziana Margaria, and Christoph Rasche. Processes and data integration in the networked healthcare. *Lecture Notes in Computer Science*, 7610:67–69, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34032-1_7/.

Margaria:2012:SME

[122] Tiziana Margaria, Steve Boßelmann, and Bertold Kujath. Simple modeling of executable role-based workflows: An application in the healthcare domain. *Lecture Notes in Computer Science*, 7610:70–72, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34032-1_8/.

Holubek:2012:CHA

[123] Andreas Holubek and Christian Metzger. Considerations for healthcare applications in a platform as a service environment. *Lecture Notes in Computer Science*, 7610:73–74, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34032-1_9.

Doedt:2012:RSC

[124] Markus Doedt, Thomas Göke, Jan Pardo, and Bernhard Steffen. RehaSports: The challenge of small margin healthcare accounting. *Lecture Notes in Computer Science*, 7610:75–77, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34032-1_10/.

Lisper:2012:TCT

[125] Björn Lisper, Johan Nordlander, and Sophie Quinton. Timing constraints: Theory meets practice. *Lecture Notes in Computer Science*, 7610:78–79, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34032-1_11.

Lisper:2012:SFT

[126] Björn Lisper and Johan Nordlander. A simple and flexible timing constraint logic. *Lecture Notes in Computer Science*, 7610:80–95, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34032-1_12/.

Quinton:2012:GWH

[127] Sophie Quinton and Rolf Ernst. Generalized weakly-hard constraints. *Lecture Notes in Computer Science*, 7610:96–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34032-1_13/.

Peraldi-Frati:2012:MBA

[128] Marie-Agnès Peraldi-Frati, Arda Goknil, Morayo Adedjouma, and Pierre Yves Gueguen. Modeling a BSG-E automotive system with the timing augmented description language. *Lecture Notes in Computer Science*, 7610:111–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34032-1_14/.

Ouranos:2012:FAT

[129] Iakovos Ouranos, Kazuhiro Ogata, and Petros Stefaneas. Formal analysis of TESLA protocol in the timed OTS/CafeOBJ method. *Lecture Notes in Computer Science*, 7610:126–142, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34032-1_15/.

Ge:2012:FSV

[130] Ning Ge, Marc Pantel, and Xavier Crégut. Formal specification and verification of task time constraints for real-time systems. *Lecture Notes in Computer Science*, 7610:143–157, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34032-1_16/`.

Kirner:2012:WAT

[131] Raimund Kirner. The WCET Analysis Tool CalcWcet167. *Lecture Notes in Computer Science*, 7610:158–172, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34032-1_17/`.

Birken:2012:AEE

[132] Klaus Birken. Abstract execution for event-driven systems — an application from automotive/infotainment development. *Lecture Notes in Computer Science*, 7610:173–186, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34032-1_18/`.

Fantechi:2012:FMI

[133] Alessandro Fantechi, Francesco Flammini, and Stefania Gnesi. Formal methods for intelligent transportation systems. *Lecture Notes in Computer Science*, 7610:187–189, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34032-1_19/`.

Flammini:2012:MDV

[134] Francesco Flammini, Stefano Marrone, Nicola Mazzocca, and Roberto Nardone. Model-driven V&V processes for computer based control systems: a unifying perspective. *Lecture Notes in Computer Science*, 7610:190–204, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34032-1_20/`.

Anonymous:2012:FMg

[135] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7610: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-34032-1/1`.

Afek:2012:CPC

[136] Yehuda Afek, Haim Kaplan, Boris Korenfeld, Adam Morrison, and Robert E. Tarjan. CBTree: a practical concurrent self-adjusting search tree. *Lecture Notes in Computer Science*, 7611:1–15, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_1/.

Ellen:2012:EFI

[137] Faith Ellen, Vijaya Ramachandran, and Philipp Woelfel. Efficient fetch-and-increment. *Lecture Notes in Computer Science*, 7611:16–30, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_2/.

Gotsman:2012:SNW

[138] Alexey Gotsman, Madanlal Musuvathi, and Hongseok Yang. Show no weakness: Sequentially consistent specifications of TSO libraries. *Lecture Notes in Computer Science*, 7611:31–45, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_3/.

Anaya:2012:CIP

[139] Julian Anaya, Jérémie Chalopin, Jurek Czyzowicz, Arnaud Labourel, and Andrzej Pelc. Collecting information by power-aware mobile agents. *Lecture Notes in Computer Science*, 7611:46–60, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_4/.

Feinerman:2012:MLB

[140] Ofer Feinerman and Amos Korman. Memory lower bounds for randomized collaborative search and implications for biology. *Lecture Notes in Computer Science*, 7611:61–75, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_5/.

Chen:2012:GAP

[141] Chen Chen, Roman Vitenberg, and Hans-Arno Jacobsen. A generalized algorithm for publish/subscribe overlay design and its fast implementation. *Lecture Notes in Computer Science*, 7611:76–90, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_6/.

Censor-Hillel:2012:BCC

[142] Keren Censor-Hillel, Bernhard Haeupler, Nancy Lynch, and Muriel Médard. Bounded-contention coding for wireless networks in the high SNR regime. *Lecture Notes in Computer Science*, 7611:91–105, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_7/.

Jurdzinski:2012:DBS

[143] Tomasz Jurdzinski and Dariusz R. Kowalski. Distributed backbone structure for algorithms in the SINR model of wireless networks. *Lecture Notes in Computer Science*, 7611:106–120, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_8/.

Bienkowski:2012:DOS

[144] Marcin Bienkowski, Tomasz Jurdzinski, Miroslaw Korzeniowski, and Dariusz R. Kowalski. Distributed online and stochastic queuing on a multiple access channel. *Lecture Notes in Computer Science*, 7611:121–135, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_9/.

Sarma:2012:FDC

[145] Atish Das Sarma, Anisur Rahaman Molla, and Gopal Pandurangan. Fast distributed computation in dynamic networks via random walks. *Lecture Notes in Computer Science*, 7611:136–150, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_10/.

Sarma:2012:DSD

[146] Atish Das Sarma, Ashwin Lall, Danupon Nanongkai, and Amitabh Trehan. Dense subgraphs on dynamic networks. *Lecture Notes in Computer Science*, 7611:151–165, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_11/.

Haeupler:2012:LBI

[147] Bernhard Haeupler and Fabian Kuhn. Lower bounds on information dissemination in dynamic networks. *Lecture Notes in Computer Science*, 7611:166–180, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_12/.

Goos:2012:NST

[148] Mika Göös and Jukka Suomela. No sublogarithmic-time approximation scheme for bipartite vertex cover. *Lecture Notes in Computer Science*, 7611:181–194, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_13/.

Dolev:2012:TTA

[149] Danny Dolev, Christoph Lenzen, and Shir Peled. "tri, tri again": Finding triangles and small subgraphs in a distributed setting. *Lecture Notes in Computer Science*, 7611:195–209, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_14/.

Czygrinow:2012:DAA

[150] Andrzej Czygrinow, Michal Hanćkowiak, Edyta Szymańska, and Wojciech Wawrzyniak. Distributed 2-approximation algorithm for the semi-matching problem. *Lecture Notes in Computer Science*, 7611:210–222, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_15/.

Ghaffari:2012:BCM

[151] Mohsen Ghaffari, Bernhard Haeupler, Nancy Lynch, and Calvin Newport. Bounds on contention management in radio networks. *Lecture Notes in Computer Science*, 7611:223–237, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_16/.

Daum:2012:ESB

[152] Sebastian Daum, Fabian Kuhn, and Calvin Newport. Efficient symmetry breaking in multi-channel radio networks. *Lecture Notes in Computer Science*, 7611:238–252, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_17/.

Maurer:2012:BBL

[153] Alexandre Maurer and Sébastien Tixeuil. On Byzantine broadcast in loosely connected networks. *Lecture Notes in Computer Science*, 7611:253–266, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_18/.

Pareek:2012:RER

[154] Abhijeet Pareek and Philipp Woelfel. RMR-efficient randomized abortable mutual exclusion. *Lecture Notes in Computer Science*, 7611:267–281, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_19/.

Jayanti:2012:ARW

[155] Prasad Jayanti and Zhiyu Liu. Abortable reader-writer locks are no more complex than abortable mutex locks. *Lecture Notes in Computer Science*, 7611:282–296, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33651-5_20/.

Anonymous:2012:FMh

[156] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7611: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33651-5/1.

Denney:2012:LMS

[157] Ewen Denney and Ganesh Pai. A lightweight methodology for safety case assembly. *Lecture Notes in Computer Science*, 7612:1–12, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_1/.

Hauge:2012:PBM

[158] André Alexandersen Hauge and Ketil Stølen. A pattern-based method for safe control systems exemplified within nuclear power production. *Lecture Notes in Computer Science*, 7612:13–24, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_2/.

Casals:2012:RAA

[159] Silvia Gil Casals, Philippe Owezarski, and Gilles Descargues. Risk assessment for airworthiness security. *Lecture Notes in Computer Science*, 7612:25–36, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_3/.

Lasche:2012:MGH

[160] Christoph Läsche, Eckard Böde, and Thomas Peikenkamp. A method for guided hazard identification and risk mitigation for offshore opera-

tions. *Lecture Notes in Computer Science*, 7612:37–48, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_4/.

Schafer:2012:RAS

[161] Manfred Schäfer. Risk analysis and software integrity protection for 4G network elements in ASMONIA. *Lecture Notes in Computer Science*, 7612:49–61, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_5/.

Woskowski:2012:AIS

[162] Christoph Woskowski. Applying industrial-strength testing techniques to critical care medical equipment. *Lecture Notes in Computer Science*, 7612:62–73, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_6/.

Izosimov:2012:RDT

[163] Viacheslav Izosimov, Urban Ingelsson, and Andreas Wallin. Requirement decomposition and testability in development of safety-critical automotive components. *Lecture Notes in Computer Science*, 7612:74–86, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_7/.

Krause:2012:MBS

[164] Jan Krause, Elke Hintze, Stephan Magnus, and Christian Diedrich. Model based specification, verification, and test generation for a safety Fieldbus profile. *Lecture Notes in Computer Science*, 7612:87–98, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_8/.

Edifor:2012:QPG

[165] Ernest Edifor, Martin Walker, and Neil Gordon. Quantification of priority-OR gates in temporal fault trees. *Lecture Notes in Computer Science*, 7612:99–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_9/.

Glass:2012:CLC

[166] Michael Glaß, Heng Yu, Felix Reimann, and Jürgen Teich. Cross-level compositional reliability analysis for embedded systems. *Lecture Notes in*

Computer Science, 7612:111–124, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_10/.

Hoppe:2012:IFA

[167] Tobias Hoppe, Sven Kuhlmann, Stefan Kiltz, and Jana Dittmann. IT-forensic automotive investigations on the example of route reconstruction on automotive system and communication data. *Lecture Notes in Computer Science*, 7612:125–136, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_11/.

Bock:2012:TIS

[168] Hans-Hermann Bock, Jens Braband, Birgit Milius, and Hendrik Schäbe. Towards an IT security protection profile for safety-related communication in railway automation. *Lecture Notes in Computer Science*, 7612: 137–148, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_12/.

Wieczorek:2012:TSF

[169] Felix Wieczorek, Christoph Krauß, Frank Schiller, and Claudia Eckert. Towards secure Fieldbus communication. *Lecture Notes in Computer Science*, 7612:149–160, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_13/.

Zakonov:2012:EEW

[170] Andrey Zakonov and Anatoly Shalyto. Extracting EFSMs of Web applications for formal requirements specification. *Lecture Notes in Computer Science*, 7612:161–172, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_14/.

Bicchierai:2012:OAS

[171] Irene Bicchierai, Giacomo Bucci, Carlo Nocentini, and Enrico Vicario. An ontological approach to systematization of SW-FMEA. *Lecture Notes in Computer Science*, 7612:173–184, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_15/.

Baldoni:2012:OBB

[172] Roberto Baldoni, Giorgia Lodi, Luca Montanari, Guido Mariotta, and Marco Rizzuto. Online black-box failure prediction for mission crit-

ical distributed systems. *Lecture Notes in Computer Science*, 7612: 185–197, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_16/.

DiLeo:2012:IHF

[173] Domenico Di Leo, Fatemeh Ayatolahi, Behrooz Sangchoolie, and Johan Karlsson. On the impact of hardware faults — an investigation of the relationship between workload inputs and failure mode distributions. *Lecture Notes in Computer Science*, 7612:198–209, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_17/.

Tarasyuk:2012:FDA

[174] Anton Tarasyuk, Inna Pereverzeva, Elena Troubitsyna, Timo Latvala, and Laura Nummila. Formal development and assessment of a reconfigurable on-board satellite system. *Lecture Notes in Computer Science*, 7612:210–222, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_18/.

Hannius:2012:ISE

[175] Olof Hannius and Johan Karlsson. Impact of soft errors in a jet engine controller. *Lecture Notes in Computer Science*, 7612:223–234, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_19/.

Pintard:2012:WAW

[176] Ludovic Pintard, Christel Seguin, and Jean-Paul Blanquart. Which automata for which safety assessment step of satellite FDIR? *Lecture Notes in Computer Science*, 7612:235–246, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33678-2_20/.

Anonymous:2012:FMi

[177] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7612: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33678-2/1.

Anonymous:2012:FMj

[178] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7613: 1, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33675-1/1/1.

Ruiz:2012:IS

[179] Alejandra Ruiz, Tim P. Kelly, Mehrdad Sabetzadeh, and Didier Van Den Abeele. Introduction to sassur 2012. *Lecture Notes in Computer Science*, 7613:3–7, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_1/.

Denney:2012:AAC

[180] Ewen Denney, Ganesh Pai, and Josef Pohl. AdvoCATE: An assurance case automation toolset. *Lecture Notes in Computer Science*, 7613: 8–21, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_2/.

Ruiz:2012:TCB

[181] Alejandra Ruiz, Ibrahim Habli, and Huáscar Espinoza. Towards a case-based reasoning approach for safety assurance reuse. *Lecture Notes in Computer Science*, 7613:22–35, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_3/.

Markovski:2012:MSS

[182] Jasen Markovski and J. M. van de Mortel-Fronczak. Modeling for safety in a synthesis-centric systems engineering framework. *Lecture Notes in Computer Science*, 7613:36–49, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_4/.

Belmonte:2012:MBA

[183] Fabien Belmonte and Elie Soubiran. A model based approach for safety analysis. *Lecture Notes in Computer Science*, 7613:50–63, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_5/.

delaVara:2012:TMB

[184] Jose Luis de la Vara, Sunil Nair, Eric Verhulst, Janusz Studzizba, and Piotr Pepek. Towards a model-based evolutionary chain of evidence for compliance with safety standards. *Lecture Notes in Computer Science*, 7613:64–78, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_6/.

Zhao:2012:NAA

[185] Xingyu Zhao, Dajian Zhang, Minyan Lu, and Fuping Zeng. A new approach to assessment of confidence in assurance cases. *Lecture Notes in Computer Science*, 7613:79–91, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_7/.

Verhulst:2012:UMM

[186] Eric Verhulst and Bernhard H. C. Sputh. An unified meta-model for trustworthy systems engineering. *Lecture Notes in Computer Science*, 7613:92–105, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_8/.

Lanzaro:2012:PFI

[187] Anna Lanzaro, Antonio Pecchia, Marcello Cinque, Domenico Cotroneo, and Ricardo Barbosa. A preliminary fault injection framework for evaluating multicore systems. *Lecture Notes in Computer Science*, 7613: 106–116, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_9/.

Kastner:2012:MRT

[188] Daniel Kästner, Marc Schlickling, Markus Pister, Christoph Cullmann, and Gernot Gebhard. Meeting real-time requirements with multi-core processors. *Lecture Notes in Computer Science*, 7613:117–131, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_10/.

Graydon:2012:ASI

[189] Patrick J. Graydon and Tim P. Kelly. Assessing software interference management when modifying safety-related software. *Lecture Notes in Computer Science*, 7613:132–145, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_11/.

Anonymous:2012:FMk

[190] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7613: 147, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33675-1/2/1.

Casimiro:2012:IA

[191] António Casimiro and Jörg Kaiser. Introduction to ASCoMS 2012. *Lecture Notes in Computer Science*, 7613:149–150, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33675-1_12.

Marques:2012:TDS

[192] Luís Marques and António Casimiro. Towards dependable and stable perception in smart environments with timing and value faults. *Lecture Notes in Computer Science*, 7613:151–161, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_13/.

Zug:2012:ASF

[193] Sebastian Zug, Tino Brade, Jörg Kaiser, and Sasanka Potluri. An approach supporting fault-propagation analysis for smart sensor systems. *Lecture Notes in Computer Science*, 7613:162–173, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_14/.

Ostberg:2012:UQM

[194] Kenneth Östberg and Rolf Johansson. Use of quality metrics for functional safety in systems of cooperative vehicles. *Lecture Notes in Computer Science*, 7613:174–179, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_15/.

Berger:2012:AVS

[195] Christian Berger. From autonomous vehicles to safer cars: Selected challenges for the software engineering. *Lecture Notes in Computer Science*, 7613:180–189, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_16/.

Ljungkrantz:2012:MSR

[196] Oscar Ljungkrantz, Henrik Lönn, Hans Blom, Cecilia Ekelin, and Daniel Karlsson. Modelling of safety-related timing constraints for automotive embedded systems. *Lecture Notes in Computer Science*, 7613:190–201, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_17/.

Anonymous:2012:FMl

[197] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7613: 203, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33675-1/3/1.

Esposito:2012:ID

[198] Christian Esposito, Marco Platania, and Francesco Brancati. Introduction to DESEC4LCCI 2012. *Lecture Notes in Computer Science*, 7613: 205–208, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_18/.

Montecchi:2012:QSE

[199] Leonardo Montecchi, Paolo Lollini, Andrea Bondavalli, and Ernesto La Mattina. Quantitative security evaluation of a multi-biometric authentication system. *Lecture Notes in Computer Science*, 7613:209–221, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_19/.

Romano:2012:PWZ

[200] Luigi Romano, Salvatore D'Antonio, Valerio Formicola, and Luigi Coppolino. Protecting the WSN zones of a critical infrastructure via enhanced SIEM technology. *Lecture Notes in Computer Science*, 7613: 222–234, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33675-1_20/.

Anonymous:2012:FMm

[201] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7613: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33675-1/1.

Aikawa:2012:ICP

[202] Takako Aikawa, Kentaro Yamamoto, and Hitoshi Isahara. The impact of crowdsourcing post-editing with the collaborative translation framework. *Lecture Notes in Computer Science*, 7614:1–10, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33983-7_1/.

Chen:2012:TQJ

[203] Shaoyu Chen and Tadahiro Matsumoto. Translation of quantifiers in Japanese–Chinese machine translation. *Lecture Notes in Computer Science*, 7614:11–22, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33983-7_2/.

Isahara:2012:TPU

[204] Hitoshi Isahara. Toward practical use of machine translation. *Lecture Notes in Computer Science*, 7614:23–27, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33983-7_3/.

Sakata:2012:PLP

[205] Jun Sakata, Masato Tokuhisa, and Jin'ichi Murakami. Phrase-level pattern-based machine translation based on analogical mapping method. *Lecture Notes in Computer Science*, 7614:28–39, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33983-7_4/.

Afli:2012:PTE

[206] Haithem Afli, Loïc Barrault, and Holger Schwenk. Parallel texts extraction from multimodal comparable corpora. *Lecture Notes in Computer Science*, 7614:40–51, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33983-7_5/.

Jin:2012:RCS

[207] Gan Jin and Natallia Khatseyeva. A reliable communication system to maximize the communication quality. *Lecture Notes in Computer Science*, 7614:52–63, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33983-7_6/.

Lejeune:2012:DLI

[208] Gaël Lejeune, Romain Brixtel, Antoine Doucet, and Nadine Lucas. DAnIEL: Language independent character-based news surveillance. *Lecture Notes in Computer Science*, 7614:64–75, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33983-7_7/.

Qu:2012:OTT

[209] Jian Qu, Akira Shimazu, and Minh Le Nguyen. OOV term translation, context information and definition extraction based on OOV term type prediction. *Lecture Notes in Computer Science*, 7614:76–87, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33983-7_8/`.

Sadat:2012:EWB

[210] Fatiha Sadat. Exploiting a Web-based encyclopedia as a knowledge base for the extraction of multilingual terminology. *Lecture Notes in Computer Science*, 7614:88–96, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33983-7_9/`.

Srivastava:2012:SLS

[211] Jyoti Srivastava and Sudip Sanyal. Segmenting long sentence pairs to improve word alignment in English–Hindi parallel corpora. *Lecture Notes in Computer Science*, 7614:97–107, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33983-7_10/`.

Vuong:2012:SSP

[212] Hoai-Thu Vuong, Dao Ngoc Tu, Minh Le Nguyen, and Vinh Van Nguyen. Shallow syntactic preprocessing for statistical machine translation. *Lecture Notes in Computer Science*, 7614:108–117, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33983-7_11/`.

Njonko:2012:LRB

[213] Paul Brillant Feuto Njonko, Sylviane Cardey-Greenfield, and Peter Greenfield. Linguistic rules based approach for automatic restoration of accents on French texts. *Lecture Notes in Computer Science*, 7614:118–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33983-7_12/`.

Ghayoomi:2012:WCP

[214] Masood Ghayoomi. Word clustering for Persian statistical parsing. *Lecture Notes in Computer Science*, 7614:126–137, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33983-7_13/`.

Kampeera:2012:BLS

[215] Wannachai Kampeera and Sylviane Cardey-Greenfield. Building a lexically and semantically-rich resource for paraphrase processing. *Lecture Notes in Computer Science*, 7614:138–143, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33983-7_14/.

Zaborowski:2012:TCD

[216] Bartosz Zaborowski and Adam Przepiórkowski. Tagset conversion with decision trees. *Lecture Notes in Computer Science*, 7614:144–155, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33983-7_15/.

Zimina:2012:FRP

[217] Elizaveta Zimina. Fitting a round peg in a square hole: Japanese resource grammar in GF. *Lecture Notes in Computer Science*, 7614:156–167, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33983-7_16/.

Aliwy:2012:ALA

[218] Ahmed H. Aliwy. Arabic language analyzer with lemma extraction and rich tagset. *Lecture Notes in Computer Science*, 7614:168–179, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33983-7_17/.

Flores:2012:TRM

[219] Jorge J. García Flores, Pierre Zweigenbaum, Zhao Yue, and William Turner. Tracking researcher mobility on the Web using snippet semantic analysis. *Lecture Notes in Computer Science*, 7614:180–191, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33983-7_18/.

Goluchowski:2012:SRL

[220] Konrad Gołuchowski and Adam Przepiórkowski. Semantic role labelling without deep syntactic parsing. *Lecture Notes in Computer Science*, 7614:192–197, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33983-7_19/.

Jarzebowski:2012:TIE

[221] Przemysław Jarzebowski and Adam Przepiórkowski. Temporal information extraction with cross-language projected data. *Lecture Notes in Computer Science*, 7614:198–209, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33983-7_20/.

Anonymous:2012:FMn

[222] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7614: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33983-7/1.

Kersten:2012:IBL

[223] Thomas P. Kersten and Maren Lindstaedt. Image-based low-cost systems for automatic 3D recording and modelling of archaeological finds and objects. *Lecture Notes in Computer Science*, 7616:1–10, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_1/.

Fritsch:2012:PPC

[224] Dieter Fritsch, Mohammed Abdel-Wahab, Alessandro Cefalu, and Konrad Wenzel. Photogrammetric point cloud collection with multi-camera systems. *Lecture Notes in Computer Science*, 7616:11–20, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_2/.

Trinks:2012:PAL

[225] Immo Trinks, Wolfgang Neubauer, and Michael Doneus. Prospecting archaeological landscapes. *Lecture Notes in Computer Science*, 7616: 21–29, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_3/.

Hollaus:2012:MIA

[226] Fabian Hollaus, Melanie Gau, and Robert Sablatnig. Multispectral image acquisition of ancient manuscripts. *Lecture Notes in Computer Science*, 7616:30–39, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_4/.

Remondino:2012:LCO

[227] Fabio Remondino, Silvio Del Pizzo, Thomas P. Kersten, and Salvatore Troisi. Low-cost and open-source solutions for automated image orientation — a critical overview. *Lecture Notes in Computer Science*, 7616: 40–54, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_5/.

Kersten:2012:AGH

[228] Thomas P. Kersten, Friedrich Keller, Jerome Saenger, and Jochen Schiewe. Automated generation of an historic 4D city model of Hamburg and its visualisation with the GE Engine. *Lecture Notes in Computer Science*, 7616:55–65, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_6/.

Balzani:2012:ABC

[229] Marcello Balzani, Carlo Bughi, Federico Ferrari, Luca Rossato, and Alessandra Tursi. Alberti's box: The cultural multimedia project on the architectures of Leon Battista Alberti. *Lecture Notes in Computer Science*, 7616:66–75, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_7/.

Moussa:2012:AFD

[230] Wassim Moussa, Mohammed Abdel-Wahab, and Dieter Fritsch. Automatic fusion of digital images and laser scanner data for heritage preservation. *Lecture Notes in Computer Science*, 7616:76–85, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_8/.

Bernikola:2012:MDS

[231] Eirini Bernikola, Elsa Tsiranidou, Vivi Tornari, Vincent Detalle, and Jean Luc Bodnar. Mapping of defect structural micro-morphology in the documentation of conservation approaches. *Lecture Notes in Computer Science*, 7616:86–96, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_9/.

Sidiropoulou-Velidou:2012:ETI

[232] Dafni Sidiropoulou-Velidou, Andreas Georgopoulos, and José Luis Lerma. Exploitation of thermal imagery for the detection of pathologies in monuments. *Lecture Notes in Computer Science*, 7616:97–108, 2012. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_10/.

Doulamis:2012:LSL

[233] Nikolaos Doulamis, Christos Yiakoumettis, and George Miaoulis. On-line spectral learning in exploring 3D large scale geo-referred scenes. *Lecture Notes in Computer Science*, 7616:109–118, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_11/.

Drap:2012:ISM

[234] Pierre Drap, Djamal Merad, Julien Seinturier, Jean-Marc Boï, and Daniela Peloso. An information system for medieval archaeology based on photogrammetry and archaeological database: The Shawbak Castle Project. *Lecture Notes in Computer Science*, 7616:119–128, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_12/.

Agapiou:2012:TAI

[235] Athos Agapiou, Diofantos G. Hadjimitsis, Andreas Georgopoulos, and Apostolos Sarris. Towards an archaeological index: Identification of the spectral regions of stress vegetation due to buried archaeological remains. *Lecture Notes in Computer Science*, 7616:129–138, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_13/.

Gigliarelli:2012:HSH

[236] Elena Gigliarelli, Donato Carlea, Angela Corcella, and Heleni Porfyriou. Historical social housing: Smart analysis and design for conservation and energy regeneration. *Lecture Notes in Computer Science*, 7616:139–148, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_14/.

Echavarria:2012:HMD

[237] Karina Rodriguez Echavarria, Jaime Kaminski, and David Arnold. 3D heritage on mobile devices: Scenarios and opportunities. *Lecture Notes in Computer Science*, 7616:149–158, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_15/.

Fleury:2012:RAR

[238] Philippe Fleury and Sophie Madeleine. Reviving Ancient Rome: Virtual reality at the service of cultural heritage. *Lecture Notes in Computer Science*, 7616:159–169, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_16/.

Zotti:2012:VRD

[239] Georg Zotti and Wolfgang Neubauer. Virtual reconstructions in a desktop planetarium for demonstrations in cultural astronomy. *Lecture Notes in Computer Science*, 7616:170–180, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_17/.

Fernandez-Palacios:2012:ARA

[240] Belén Jiménez Fernández-Palacios, Alessandro Rizzi, and Francesco Nex. Augmented reality for archaeological finds. *Lecture Notes in Computer Science*, 7616:181–190, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_18/.

Rahaman:2012:VHE

[241] Hafizur Rahaman, Rana Das, and Shehzad Zahir. Virtual heritage: Exploring photorealism. *Lecture Notes in Computer Science*, 7616:191–200, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_19/.

Kersten:2012:VAM

[242] Thomas P. Kersten and Maren Lindstaedt. Virtual architectural 3D model of the Imperial Cathedral (Kaiserdom) of Königslutter, Germany through terrestrial laser scanning. *Lecture Notes in Computer Science*, 7616:201–210, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34234-9_20/.

Anonymous:2012:FMo

[243] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7616:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34234-9/1.

Blom:2012:DFU

[244] Arjan Blom, Gerhard de Koning Gans, Erik Poll, Joeri de Ruiter, and Roel Verdult. Designed to fail: a USB-connected reader for online banking. *Lecture Notes in Computer Science*, 7617:1–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34210-3_1/.

Adolphi:2012:SAO

[245] Benjamin Adolphi and Hanno Langweg. Security add-ons for mobile platforms. *Lecture Notes in Computer Science*, 7617:17–30, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34210-3_2/.

Jensen:2012:TAV

[246] Torben Jensen, Heine Pedersen, Mads Chr. Olesen, and René Rydhof Hansen. THAPS: Automated vulnerability scanning of PHP applications. *Lecture Notes in Computer Science*, 7617:31–46, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34210-3_3/.

Sommestad:2012:CSE

[247] Teodor Sommestad and Jonas Hallberg. Cyber security exercises and competitions as a platform for cyber security experiments. *Lecture Notes in Computer Science*, 7617:47–60, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34210-3_4/.

Proctor:2012:DCS

[248] Tony Proctor. The development of cyber security warning, advice and report points. *Lecture Notes in Computer Science*, 7617:61–72, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34210-3_5/.

Groner:2012:TEE

[249] Ramona Groner and Philipp Brune. Towards an empirical examination of IT security infrastructures in SME. *Lecture Notes in Computer Science*, 7617:73–88, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34210-3_6/.

Massacci:2012:HSS

[250] Fabio Massacci and Federica Paci. How to select a security requirements method? A comparative study with students and practitioners. *Lecture Notes in Computer Science*, 7617:89–104, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34210-3_7/`.

Noorman:2012:TSN

[251] Job Noorman, Nick Nikiforakis, and Frank Piessens. There is safety in numbers: Preventing control-flow hijacking by duplication. *Lecture Notes in Computer Science*, 7617:105–120, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34210-3_8/`.

Milushev:2012:CUS

[252] Dimiter Milushev and Dave Clarke. Coinductive unwinding of security-relevant hyperproperties. *Lecture Notes in Computer Science*, 7617:121–136, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34210-3_9/`.

Staahl:2012:RSS

[253] Björn Ståhl and Per Mellstrand. Retooling and securing systemic debugging. *Lecture Notes in Computer Science*, 7617:137–152, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34210-3_10/`.

Helkala:2012:CAP

[254] Kirsi Helkala, Nils Kalstad Svendsen, Per Thorsheim, and Anders Wiehe. Cracking associative passwords. *Lecture Notes in Computer Science*, 7617:153–168, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34210-3_11/`.

Zibuschka:2012:HAH

[255] Jan Zibuschka and Lothar Fritsch. A hybrid approach for highly available and secure storage of pseudo-SSO credentials. *Lecture Notes in Computer Science*, 7617:169–183, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34210-3_12/`.

Sangchoolie:2012:AQP

[256] Behrooz Sangchoolie, Mazdak Rajabi Nasab, Tomas Olovsson, and Wolfgang John. Assessing the quality of packet-level traces collected on Internet backbone links. *Lecture Notes in Computer Science*, 7617: 184–198, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34210-3_13/`.

Clark:2012:EKS

[257] Jason W. Clark. Everything but the kitchen sink: Determining the effect of multiple attacks on privacy preserving technology users. *Lecture Notes in Computer Science*, 7617:199–214, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34210-3_14/`.

Duan:2012:CWI

[258] Huiying Duan and Cäcilia Zirn. Can we identify manipulative behavior and the corresponding suspects on review Websites using supervised learning? *Lecture Notes in Computer Science*, 7617:215–230, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34210-3_15/`.

Pulls:2012:PFC

[259] Tobias Pulls. Privacy-friendly cloud storage for the data track. *Lecture Notes in Computer Science*, 7617:231–246, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34210-3_16/`.

Anonymous:2012:BMc

[260] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7617: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bbm:978-3-642-34210-3/1`.

Anonymous:2012:FMp

[261] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7617: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-34210-3/1`.

Djebbar:2012:ASB

[262] Fatiha Djebbar and Beghdad Ayad. Audio steganalysis based on lossless data-compression techniques. *Lecture Notes in Computer Science*,

7618:1–9, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_1/.

Chow:2012:EPV

[263] Yang-Wai Chow, Willy Susilo, and Duncan S. Wong. Enhancing the perceived visual quality of a size invariant visual cryptography scheme. *Lecture Notes in Computer Science*, 7618:10–21, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_2/.

Ganan:2012:IRS

[264] Carlos Gañán, Jose L. Muñoz, Oscar Esparza, Jorge Mata-Díaz, and Juanjo Alins. Impact of the revocation service in PKI prices. *Lecture Notes in Computer Science*, 7618:22–32, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_3/.

Bahig:2012:CMP

[265] Hatem M. Bahig, Ashraf Bhery, and Dieaa I. Nassr. Cryptanalysis of multi-prime RSA with small prime difference. *Lecture Notes in Computer Science*, 7618:33–44, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_4/.

Xu:2012:IPR

[266] Jun Xu, Lei Hu, and Siwei Sun. Implicit polynomial recovery and cryptanalysis of a combinatorial key cryptosystem. *Lecture Notes in Computer Science*, 7618:45–57, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_5/.

Liu:2012:IRK

[267] Shusheng Liu, Zheng Gong, and Libin Wang. Improved related-key differential attacks on reduced-round LBlock. *Lecture Notes in Computer Science*, 7618:58–69, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_6/.

Tang:2012:CAL

[268] Yajuan Tang. Countermeasures on application level low-rate denial-of-service attack. *Lecture Notes in Computer Science*, 7618:70–80,

2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_7/.

Trabelsi:2012:FPF

[269] Zouheir Trabelsi, Liren Zhang, and Safaa Zeidan. Firewall packet filtering optimization using statistical traffic awareness test. *Lecture Notes in Computer Science*, 7618:81–92, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_8/.

Felix:2012:GBM

[270] John Felix, Charles Joseph, and Ali A. Ghorbani. Group behavior metrics for P2P botnet detection. *Lecture Notes in Computer Science*, 7618: 93–104, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_9/.

Ma:2012:HPO

[271] Yuan Ma, Luning Xia, Jingqiang Lin, Jiwu Jing, Zongbin Liu, and Xingjie Yu. Hardware performance optimization and evaluation of SM3 hash algorithm on FPGA. *Lecture Notes in Computer Science*, 7618: 105–118, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_10/.

Xiong:2012:CLR

[272] Hao Xiong, Cong Zhang, Tsz Hon Yuen, Echo P. Zhang, Siu Ming Yiu, and Sihan Qing. Continual leakage-resilient dynamic secret sharing in the split-state model. *Lecture Notes in Computer Science*, 7618: 119–130, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_11/.

Henecka:2012:CRN

[273] Wilko Henecka, Nigel Bean, and Matthew Roughan. Conversion of real-numbered privacy-preserving problems into the integer domain. *Lecture Notes in Computer Science*, 7618:131–141, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_12/.

Wang:2012:PAO

[274] Yang Wang, Man Ho Au, and Willy Susilo. Perfect ambiguous optimistic fair exchange. *Lecture Notes in Computer Science*, 7618:142–

153, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_13/.

Pang:2012:PPN

[275] Xiaoqiong Pang, Bo Yang, and Qiong Huang. Privacy-preserving noisy keyword search in cloud computing. *Lecture Notes in Computer Science*, 7618:154–166, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_14/.

Yuen:2012:FSA

[276] Tsz Hon Yuen, Joseph K. Liu, Xinyi Huang, Man Ho Au, Willy Susilo, and Jianying Zhou. Forward secure attribute-based signatures. *Lecture Notes in Computer Science*, 7618:167–177, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_15/.

Ding:2012:CRP

[277] Ning Ding and Dawu Gu. On constant-round precise zero-knowledge. *Lecture Notes in Computer Science*, 7618:178–190, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_16/.

Li:2012:OEA

[278] Jingwei Li, Chunfu Jia, Jin Li, and Xiaofeng Chen. Outsourcing encryption of attribute-based encryption with MapReduce. *Lecture Notes in Computer Science*, 7618:191–201, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_17/.

Fujioka:2012:SEI

[279] Atsushi Fujioka, Taiichi Saito, and Keita Xagawa. Security enhancement of identity-based identification with reversibility. *Lecture Notes in Computer Science*, 7618:202–213, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_18/.

Akram:2012:CAS

[280] Raja Naeem Akram, Konstantinos Markantonakis, and Keith Mayes. Coopetitive architecture to support a dynamic and scalable NFC based mobile services architecture. *Lecture Notes in Computer Science*, 7618:214–227, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_19/.

Zhu:2012:PBA

[281] Jiawei Zhu, Zhi Guan, Yang Yang, Liangwen Yu, Huiping Sun, and Zhong Chen. Permission-based abnormal application detection for Android. *Lecture Notes in Computer Science*, 7618:228–239, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34129-8_20/.

Anonymous:2012:FMq

[282] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7618: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34129-8/1.

Cawley:2012:FMS

[283] Gavin C. Cawley. Over-fitting in model selection and its avoidance. *Lecture Notes in Computer Science*, 7619:1, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34156-4_1.

Sebastiani:2012:IDA

[284] Paola Sebastiani. Intelligent data analysis of human genetic data. *Lecture Notes in Computer Science*, 7619:2–6, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_2/.

Siebes:2012:QDA

[285] Arno Siebes. Queries for data analysis. *Lecture Notes in Computer Science*, 7619:7–22, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_3/.

Akbar:2012:PDM

[286] Zaenal Akbar, Violeta N. Ivanova, and Michael R. Berthold. Parallel data mining revisited. Better, not faster. *Lecture Notes in Computer Science*, 7619:23–34, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_4/.

deAmorim:2012:WFP

[287] Renato Cordeiro de Amorim and Trevor Fenner. Weighting features for partition around medoids using the Minkowski metric. *Lecture Notes in*

Computer Science, 7619:35–44, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_5/.

deAmorim:2012:IMW

[288] Renato Cordeiro de Amorim and Peter Komisarczuk. On initializations for the Minkowski weighted K-means. *Lecture Notes in Computer Science*, 7619:45–55, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_6/.

Berk:2012:SNM

[289] Maurice Berk and Giovanni Montana. A skew-t-normal multi-level reduced-rank functional PCA model for the analysis of replicated genomics time course data. *Lecture Notes in Computer Science*, 7619:56–66, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_7/.

Boulares:2012:MFS

[290] Mehrez Boulares and Mohamed Jemni. Methodological foundation for sign language 3D motion trajectory analysis. *Lecture Notes in Computer Science*, 7619:67–77, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_8/.

Braune:2012:ADC

[291] Christian Braune, Christian Borgelt, and Sonja Grün. Assembly detection in continuous neural Spike train data. *Lecture Notes in Computer Science*, 7619:78–89, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_9/.

Carmona:2012:OTD

[292] Josep Carmona and Ricard Gavaldà. Online techniques for dealing with concept drift in process mining. *Lecture Notes in Computer Science*, 7619:90–102, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_10/.

Chen:2012:EBC

[293] Jun Chen, Mahdi Mahfouf, Chris Bingham, Yu Zhang, Zhijing Yang, and Michael Gallimore. An evolutionary based clustering algorithm applied

to dada compression for industrial systems. *Lecture Notes in Computer Science*, 7619:103–113, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_11/.

Duivesteijn:2012:MLL

[294] Wouter Duivesteijn, Eneldo Loza Mencía, Johannes Fürnkranz, and Arno Knobbe. Multi-label LeGo — enhancing multi-label classifiers with local patterns. *Lecture Notes in Computer Science*, 7619:114–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_12/.

Gisbrecht:2012:DDR

[295] Andrej Gisbrecht, Daniela Hofmann, and Barbara Hammer. Discriminative dimensionality reduction mappings. *Lecture Notes in Computer Science*, 7619:126–138, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_13/.

Jorge:2012:FIC

[296] Alípio M. Jorge, João Mendes-Moreira, Jorge Freire de Sousa, and Carlos Soares. Finding interesting contexts for explaining deviations in bus trip duration using distribution rules. *Lecture Notes in Computer Science*, 7619:139–149, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_14/.

Klawonn:2012:CFS

[297] Frank Klawonn, Nada Abidi, Evelin Berger, and Lothar Jänsch. Curve fitting for short time series data from high throughput experiments with correction for biological variation. *Lecture Notes in Computer Science*, 7619:150–160, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_15/.

Kontonasios:2012:FCP

[298] Kleanthis-Nikolaos Kontonasios and Tijl DeBie. Formalizing complex prior information to quantify subjective interestingness of frequent pattern sets. *Lecture Notes in Computer Science*, 7619:161–171, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_16/.

Largeron:2012:MTS

[299] Christine Largeron, Christophe Moulin, and Mathias Géry. MCut: a thresholding strategy for multi-label classification. *Lecture Notes in Computer Science*, 7619:172–183, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_17/.

vanLeeuwen:2012:ITR

[300] Matthijs van Leeuwen and Diyah Puspitaningrum. Improving tag recommendation using few associations. *Lecture Notes in Computer Science*, 7619:184–194, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_18/.

Malmi:2012:IAS

[301] Eric Malmi, Juha Raitio, Oskar Kohonen, Krista Lagus, and Timo Honkela. Identifying anomalous social contexts from mobile proximity data using binomial mixture models. *Lecture Notes in Computer Science*, 7619:195–206, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_19/.

Metivier:2012:CCU

[302] Jean-Philippe Métivier, Patrice Boizumault, Bruno Crémilleux, and Mehdi Khiari. Constrained clustering using SAT. *Lecture Notes in Computer Science*, 7619:207–218, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34156-4_20/.

Anonymous:2012:FMr

[303] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7619: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34156-4/1.

Kitto:2012:QIM

[304] Kirsty Kitto, Fabio Boschetti, and Peter Bruza. The quantum inspired modelling of changing attitudes and self-organising societies. *Lecture Notes in Computer Science*, 7620:1–12, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35659-9_1/.

Dubois:2012:LAP

[305] François Dubois, Isabelle Greff, and Thomas Hélie. On least action principles for discrete quantum scales. *Lecture Notes in Computer Science*, 7620:13–23, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35659-9_2/.

Widdows:2012:RCB

[306] Dominic Widdows and Trevor Cohen. Real, complex, and binary semantic vectors. *Lecture Notes in Computer Science*, 7620:24–35, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35659-9_3/.

Aerts:2012:GEI

[307] Diederik Aerts, Jan Broekaert, Liane Gabora, and Tomas Veloz. The guppy effect as interference. *Lecture Notes in Computer Science*, 7620:36–47, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35659-9_4/.

Aerts:2012:QME

[308] Diederik Aerts, Sandro Sozzo, and Jocelyn Tapia. A quantum model for the Ellsberg and Machina paradoxes. *Lecture Notes in Computer Science*, 7620:48–59, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35659-9_5/.

Asano:2012:QLM

[309] Masanari Asano, Irina Basieva, Andrei Khrennikov, and Masanori Ohya. A quantum-like model of *Escherichia coli*'s metabolism based on adaptive dynamics. *Lecture Notes in Computer Science*, 7620:60–67, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35659-9_6/.

Vitiello:2012:FDC

[310] Giuseppe Vitiello. Fractals, dissipation and coherent states. *Lecture Notes in Computer Science*, 7620:68–79, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35659-9_7/.

Busemeyer:2012:HBE

[311] Jerome R. Busemeyer, Zheng Wang, and Jennifer S. Trueblood. Hierarchical Bayesian estimation of quantum decision model parameters. *Lecture*

Notes in Computer Science, 7620:80–89, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35659-9_8/`.

Cohen:2012:MPL

[312] Trevor Cohen, Dominic Widdows, Lance De Vine, and Roger Schvaneveldt. Many paths lead to discovery: Analogical retrieval of cancer therapies. *Lecture Notes in Computer Science*, 7620:90–101, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35659-9_9/`.

Lambert-Mogiliansky:2012:EII

[313] Ariane Lambert-Mogiliansky and Jerome R. Busemeyer. Emergence and instability of individual identity. *Lecture Notes in Computer Science*, 7620:102–113, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35659-9_10/`.

Aerts:2012:ECE

[314] Diederik Aerts and Sandro Sozzo. Entanglement of conceptual entities in quantum model theory (QMod). *Lecture Notes in Computer Science*, 7620:114–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35659-9_11/`.

Aerts:2012:QMT

[315] Diederik Aerts and Sandro Sozzo. Quantum model theory (QMod): Modeling contextual emergent entangled interfering entities. *Lecture Notes in Computer Science*, 7620:126–137, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35659-9_12/`.

Asano:2012:QLR

[316] Masanari Asano, Irina Basieva, Andrei Khrennikov, and Masanori Ohya. Quantum-like representation of irrational inference. *Lecture Notes in Computer Science*, 7620:138–147, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35659-9_13/`.

Flender:2012:TIP

[317] Christian Flender and Günter Müller. Type indeterminacy in privacy decisions: The privacy paradox revisited. *Lecture Notes in Computer Science*, 7620:148–159, 2012. CODEN LNCSD9. ISSN 0302-9743 (print),

1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35659-9_14/.

Asano:2012:ADA

[318] Masanari Asano, Irina Basieva, Andrei Khrennikov, and Masanori Ohya. Adaptive dynamics and its application to context dependent systems breaking the classical probability law. *Lecture Notes in Computer Science*, 7620:160–171, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35659-9_15/.

Galea:2012:MWA

[319] David Galea, Peter Bruza, Kirsty Kitto, and Douglas Nelson. Modelling word activation in semantic networks: Three scaled entanglement models compared. *Lecture Notes in Computer Science*, 7620:172–183, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35659-9_16/.

Dzhafarov:2012:QEI

[320] Ehtibar N. Dzhafarov and Janne V. Kujala. Quantum entanglement and the issue of selective influences in psychology: An overview. *Lecture Notes in Computer Science*, 7620:184–195, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35659-9_17/.

Filk:2012:QLB

[321] Thomas Filk. Quantum-like behavior of classical systems. *Lecture Notes in Computer Science*, 7620:196–206, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35659-9_18/.

Daranyi:2012:CDM

[322] Sándor Darányi and Peter Wittek. Connecting the dots: Mass, energy, word meaning, and particle-wave duality. *Lecture Notes in Computer Science*, 7620:207–217, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35659-9_19/.

Gondran:2012:IMF

[323] Michel Gondran and Sébastien Lepaul. Indiscernability and mean field, a base of quantum interaction. *Lecture Notes in Computer Science*, 7620:218–226, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35659-9_20/.

Anonymous:2012:BMd

[324] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7620: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bbm:978-3-642-35659-9/1.

Anonymous:2012:FMs

[325] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7620: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-35659-9/1.

Gray:2012:MMS

[326] Jesse Gray and Cynthia Breazeal. Manipulating mental states through physical action. *Lecture Notes in Computer Science*, 7621:1–14, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_1/.

Ham:2012:ASB

[327] Jaap Ham, Mirjam van Esch, Yvonne Limpens, Jente de Pee, and John-John Cabibihan. The automaticity of social behavior towards robots: The influence of cognitive load on interpersonal distance to approachable versus less approachable robots. *Lecture Notes in Computer Science*, 7621:15–25, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_2/.

Liu:2012:HMR

[328] Caixia Liu, Jaap Ham, Eric Postma, Cees Midden, Bart Joosten, and Martijn Goudbeek. How to make a robot smile? Perception of emotional expressions from digitally-extracted facial landmark configurations. *Lecture Notes in Computer Science*, 7621:26–34, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_3/.

Trovato:2012:CCS

[329] Gabriele Trovato, Tatsuhiro Kishi, Nobutsuna Endo, Kenji Hashimoto, and Atsuo Takanishi. A cross-cultural study on generation of culture dependent facial expressions of humanoid social robot. *Lecture Notes in*

Computer Science, 7621:35–44, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_4/.

Williams:2012:RSI

[330] Mary-Anne Williams. Robot social intelligence. *Lecture Notes in Computer Science*, 7621:45–55, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_5/.

Vlachos:2012:AER

[331] Evgenios Vlachos and Henrik Schärfe. Android emotions revealed. *Lecture Notes in Computer Science*, 7621:56–65, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_6/.

Robins:2012:ECL

[332] Ben Robins, Kerstin Dautenhahn, and Paul Dickerson. Embodiment and cognitive learning — can a humanoid robot help children with autism to learn about tactile social behaviour? *Lecture Notes in Computer Science*, 7621:66–75, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_7/.

Wong:2012:UTS

[333] Alvin Wong, Yeow Kee Tan, Adrian Tay, Anthony Wong, Dilip Kumar Limbu, and Tran Anh Dung. A user trial study to understand play behaviors of autistic children using a social robot. *Lecture Notes in Computer Science*, 7621:76–85, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_8/.

Boccanfuso:2012:CHR

[334] Laura Boccanfuso, Eva Juarez Perez, Myra Robinson, and Jason M. O'Kane. Collecting heart rate using a high precision, non-contact, single-point infrared temperature sensor. *Lecture Notes in Computer Science*, 7621:86–97, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_9/.

Shimada:2012:HCS

[335] Michihiro Shimada, Takayuki Kanda, and Satoshi Koizumi. How can a social robot facilitate children's collaboration? *Lecture Notes in Computer*

Science, 7621:98–107, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_10/.

Klein:2012:ERE

[336] Barbara Klein and Glenda Cook. Emotional robotics in elder care — a comparison of findings in the UK and Germany. *Lecture Notes in Computer Science*, 7621:108–117, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_11/.

Yan:2012:DRR

[337] Haibin Yan, Marcelo H. Ang Jr., and Aun Neow Poo. Dorothy Robotubby: a robotic nanny. *Lecture Notes in Computer Science*, 7621:118–127, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_12/.

Frennert:2012:WGL

[338] Susanne Frennert, Britt Östlund, and Håkan Eftring. Would Granny let an assistive robot into her home? *Lecture Notes in Computer Science*, 7621:128–137, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_13/.

Kortner:2012:HSR

[339] Tobias Körtner, Alexandra Schmid, Daliah Batko-Klein, Christoph Gisinger, and Andreas Huber. How social robots make older users really feel well — a method to assess users' concepts of a social robotic assistant. *Lecture Notes in Computer Science*, 7621:138–147, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_14/.

Stafford:2012:ISR

[340] Rebecca Q. Stafford, Bruce A. MacDonald, and Elizabeth Broadbent. Identifying specific reasons behind unmet needs may inform more specific eldercare robot design. *Lecture Notes in Computer Science*, 7621:148–157, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_15/.

Yamazaki:2012:VFH

[341] Akira Yamazaki and Ryosuke Masuda. Various foods handling movement of chopstick-equipped meal assistant robot and there evaluation. *Lecture*

Notes in Computer Science, 7621:158–167, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_16/.

Yumakulov:2012:IDP

[342] Sophya Yumakulov, Dean Yergens, and Gregor Wolbring. Imagery of disabled people within social robotics research. *Lecture Notes in Computer Science*, 7621:168–177, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_17/.

Kuo:2012:HEH

[343] I-Han Kuo, Chandimal Jayawardena, Elizabeth Broadbent, and Rebecca Q. Stafford. HRI evaluation of a healthcare service robot. *Lecture Notes in Computer Science*, 7621:178–187, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_18/.

Rebola:2012:ABM

[344] Claudia B. Rebola, Gbolabo Ogunmakin, and Patricio A. Vela. Automated behavioral mapping for monitoring social interactions among older adults. *Lecture Notes in Computer Science*, 7621:188–198, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_19/.

Fink:2012:AHL

[345] Julia Fink. Anthropomorphism and human likeness in the design of robots and human-robot interaction. *Lecture Notes in Computer Science*, 7621:199–208, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34103-8_20/.

Anonymous:2012:FMt

[346] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7621:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34103-8/1.

Christianson:2012:IBP

[347] Bruce Christianson. Introduction: Bringing protocols to life (transcript of discussion). *Lecture Notes in Computer Science*, 7622:1–2, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-35694-0_1.

Andel:2012:SIVa

[348] Todd R. Andel and Alec Yasinsac. Secure Internet voting protocol for overseas military voters. *Lecture Notes in Computer Science*, 7622: 3–14, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_2/.

Andel:2012:SIVb

[349] Todd R. Andel. Secure Internet voting protocol for overseas military voters (transcript of discussion). *Lecture Notes in Computer Science*, 7622:15–22, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_3/.

Hao:2012:SEEa

[350] Feng Hao, Brian Randell, and Dylan Clarke. Self-enforcing electronic voting. *Lecture Notes in Computer Science*, 7622:23–31, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_4/.

Hao:2012:SEEb

[351] Feng Hao. Self-enforcing electronic voting (transcript of discussion). *Lecture Notes in Computer Science*, 7622:32–40, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_5/.

Brooke:2012:AMSa

[352] Phillip J. Brooke, Richard F. Paige, and Christopher Power. Approaches to modelling security scenarios with domain-specific languages. *Lecture Notes in Computer Science*, 7622:41–54, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_6/.

Brooke:2012:AMSb

[353] Phillip J. Brooke. Approaches to modelling security scenarios with domain-specific languages(transcript of discussion). *Lecture Notes in Computer Science*, 7622:55–59, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_7/.

Clark:2012:COL

[354] Sandy Clark, Matt Blaze, and Jonathan M. Smith. The casino and the OODA loop. *Lecture Notes in Computer Science*, 7622:60–63, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_8/.

Blaze:2012:COL

[355] Matt Blaze. The casino and the OODA loop: Why our protocols always eventually fail (transcript of discussion). *Lecture Notes in Computer Science*, 7622:64–75, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_9/.

Bonneau:2012:SMIa

[356] Joseph Bonneau. Statistical metrics for individual password strength. *Lecture Notes in Computer Science*, 7622:76–86, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_10/.

Bonneau:2012:SMIb

[357] Joseph Bonneau. Statistical metrics for individual password strength (transcript of discussion). *Lecture Notes in Computer Science*, 7622:87–95, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_11/.

Kim:2012:SLT

[358] Tiffany Hyun-Jin Kim, Virgil Gligor, and Adrian Perrig. Street-level trust semantics for attribute authentication. *Lecture Notes in Computer Science*, 7622:96–115, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_12/.

Gligor:2012:SLT

[359] Virgil Gligor. Street-level trust semantics for attribute authentication (transcript of discussion). *Lecture Notes in Computer Science*, 7622:116–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_13/.

Clarke:2012:AICa

[360] Dylan Clarke, Feng Hao, and Brian Randell. Analysis of issues and challenges of E-voting in the UK. *Lecture Notes in Computer Science*, 7622: 126–135, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_14/.

Clarke:2012:AICb

[361] Dylan Clarke. Analysis of issues and challenges of E-voting in the UK (transcript of discussion). *Lecture Notes in Computer Science*, 7622: 136–144, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_15/.

Anderson:2012:PGEa

[362] Ross Anderson. Protocol governance: The elite, or the mob? *Lecture Notes in Computer Science*, 7622:145, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-35694-0_16.

Anderson:2012:PGEb

[363] Ross Anderson. Protocol governance: The elite, or the mob? (transcript of discussion). *Lecture Notes in Computer Science*, 7622:146–160, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_17/.

Murayama:2012:UISa

[364] Yuko Murayama, Yasuhiro Fujihara, Yoshia Saito, and Dai Nishioka. Usability issues in security. *Lecture Notes in Computer Science*, 7622: 161–171, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_18/.

Murayama:2012:UISb

[365] Yuko Murayama. Usability issues in security (transcript of discussion). *Lecture Notes in Computer Science*, 7622:172–180, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_19/.

Mahmood:2012:UPV

[366] Shah Mahmood and Yvo Desmedt. Usable privacy by visual and interactive control of information flow. *Lecture Notes in Computer Science*, 7622:

181–188, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35694-0_20/.

Anonymous:2012:FMu

[367] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7622: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-35694-0/1.

Stanton:2012:HFE

[368] Neville A. Stanton. Human factors engineering as the methodological Babel fish: Translating user needs into software design. *Lecture Notes in Computer Science*, 7623:1–17, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_1/.

Mendes:2012:ISE

[369] Emilia Mendes. Improving software effort estimation using an expert-centred approach. *Lecture Notes in Computer Science*, 7623:18–33, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_2/.

Spano:2012:CMG

[370] Lucio Davide Spano, Antonio Cisternino, and Fabio Paternò. A compositional model for gesture definition. *Lecture Notes in Computer Science*, 7623:34–52, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_3/.

Masip:2012:DPE

[371] Llúcia Masip, Célia Martinie, Marco Winckler, Philippe Palanque, and Toni Granollers. A design process for exhibiting design choices and trade-offs in (potentially) conflicting user interface guidelines. *Lecture Notes in Computer Science*, 7623:53–71, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_4/.

Martinie:2012:DPU

[372] Célia Martinie, Philippe Palanque, David Navarre, and Eric Barboni. A development process for usable large scale interactive critical systems: Application to satellite ground segments. *Lecture Notes in Computer Science*,

7623:72–93, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_5/.

Kuusinen:2012:AUE

[373] Kati Kuusinen, Tommi Mikkonen, and Santtu Pakarinen. Agile user experience development in a large software organization: Good expertise but limited impact. *Lecture Notes in Computer Science*, 7623: 94–111, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_6/.

Silva:2012:CGI

[374] Carlos Eduardo Silva and José Creissac Campos. Can GUI implementation markup languages be used for modelling? *Lecture Notes in Computer Science*, 7623:112–129, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_7/.

Roast:2012:CCS

[375] Chris Roast. Constraining and creating solutions — reflections on the analysis of early design. *Lecture Notes in Computer Science*, 7623: 130–145, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_8/.

Kronbauer:2012:SAU

[376] Artur H. Kronbauer, Celso A. S. Santos, and Vaninha Vieira. Smartphone applications usability evaluation: a hybrid model and its implementation. *Lecture Notes in Computer Science*, 7623:146–163, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_9/.

Grill:2012:MTA

[377] Thomas Grill, Ondrej Polacek, and Manfred Tscheligi. Methods towards API usability: a structural analysis of usability problem categories. *Lecture Notes in Computer Science*, 7623:164–180, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_10/.

Vogt:2012:PDC

[378] Joël Vogt, Kris Luyten, Jan Van den Bergh, Karin Coninx, and Andreas Meier. Putting dementia into context. *Lecture Notes in Computer Science*,

7623:181–198, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_11/.

Danado:2012:PVB

[379] Jose Danado and Fabio Paternò. Puzzle: a visual-based environment for end user development in touch-based mobile phones. *Lecture Notes in Computer Science*, 7623:199–216, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_12/.

Faily:2012:RSU

[380] Shamal Faily, John Lyle, Andre Paul, Andrea Atzeni, Dieter Blomme, and Heiko Desruelle. Requirements sensemaking using concept maps. *Lecture Notes in Computer Science*, 7623:217–232, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_13/.

Dery-Pinna:2012:TCM

[381] Anne-Marie Déry-Pinna, Audrey Occello, and Michel Riveill. Towards conflict management in user interface composition driven by business needs. *Lecture Notes in Computer Science*, 7623:233–250, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_14/.

Chouseinoglou:2012:MAO

[382] Oumout Chouseinoglou and Semih Bilgen. A model for assessing organizational learning in software development organizations. *Lecture Notes in Computer Science*, 7623:251–258, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_15/.

Behrenbruch:2012:PBD

[383] Kay Behrenbruch, Martin Atzmüller, Christoph Evers, Ludger Schmidt, and Gerd Stumme. A personality based design approach using subgroup discovery. *Lecture Notes in Computer Science*, 7623:259–266, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_16/.

vanLoggem:2012:AUC

[384] Brigit van Loggem. Assessing use complexity of software: a tool for documentation designers. *Lecture Notes in Computer Science*, 7623:

267–274, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_17/.

Rasooli:2012:CUP

[385] Amin Rasooli, Peter Forbrig, and Fattaneh Tagivareh. Collecting users profiles for Web applications. *Lecture Notes in Computer Science*, 7623: 275–282, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_18/.

Vieira:2012:CPG

[386] Elton R. Vieira, Carina Alves, and Letícia Duboc. Creativity patterns guide: Support for the application of creativity techniques in requirements engineering. *Lecture Notes in Computer Science*, 7623: 283–290, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_19/.

Ressin:2012:ELC

[387] Malte Ressin, Cecilia Oyugi, José Abdelnour-Nocera, David Lee, and Dharam Panesar. Exploring local cultural perspectives in user interface development in an Indian offshoring context: a view from the UK. *Lecture Notes in Computer Science*, 7623:291–298, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34347-6_20/.

Anonymous:2012:FMv

[388] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7623: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34347-6/1.

Centieiro:2012:AHF

[389] Pedro Centieiro, Teresa Romão, and A. Eduardo Dias. Applaud having fun: a mobile game to cheer your favourite sports team. *Lecture Notes in Computer Science*, 7624:1–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_1/.

Fujita:2012:PIF

[390] Kazuyuki Fujita, Hiroyuki Kidokoro, and Yuichi Itoh. Paranga: An interactive flipbook. *Lecture Notes in Computer Science*, 7624:17–30,

2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_2/.

Hachisu:2012:ATM

[391] Taku Hachisu and Hiroyuki Kajimoto. Augmentation of toothbrush by modulating sounds resulting from brushing. *Lecture Notes in Computer Science*, 7624:31–43, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_3/.

Hirai:2012:BTS

[392] Shigeyuki Hirai, Yoshinobu Sakakibara, and Seiho Hayakawa. Bathcratch: Touch and sound-based DJ controller implemented on a bathtub. *Lecture Notes in Computer Science*, 7624:44–56, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_4/.

Kanke:2012:ADD

[393] Hiroyuki Kanke, Yoshinari Takegawa, Tsutomu Terada, and Masahiko Tsukamoto. Airstic drum: a drumstick for integration of real and virtual drums. *Lecture Notes in Computer Science*, 7624:57–69, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_5/.

Mourato:2012:ELD

[394] Fausto Mourato, Fernando Birra, and Manuel Próspero dos Santos. Enhancing level difficulty and additional content in platform videogames through graph analysis. *Lecture Notes in Computer Science*, 7624: 70–84, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_6/.

Okazaki:2012:SSP

[395] Tatsuhiko Okazaki, Tsutomu Terada, and Masahiko Tsukamoto. A system for supporting performers in stuffed suits. *Lecture Notes in Computer Science*, 7624:85–100, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_7/.

Pereira:2012:SPB

[396] André Pereira, Rui Prada, and Ana Paiva. Socially present board game opponents. *Lecture Notes in Computer Science*, 7624:101–116,

2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_8/.

Shin:2012:LGG

[397] Kiyoshi Shin, Kosuke Kaneko, Yu Matsui, Koji Mikami, and Masaru Nagaku. Localizing global game jam: Designing game development for collaborative learning in the social context. *Lecture Notes in Computer Science*, 7624:117–132, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_9/.

Vyas:2012:PWC

[398] Dhaval Vyas, Yanqing Cui, Jarno Ojala, and Guido Grassel. Producing while consuming: Social interaction around photos shared within private group. *Lecture Notes in Computer Science*, 7624:133–150, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_10/.

Chan:2012:ESD

[399] Shih-Han Chan, Stéphane Natkin, Guillaume Tiger, and Alexandre Topol. Extensible sound description in COLLADA: a unique file for a rich sound design. *Lecture Notes in Computer Science*, 7624:151–166, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_11/.

Chen:2012:ART

[400] Tai-Yun Chen, Hung-Wei Hsu, Wen-Kai Tai, and Chin-Chen Chang. An automatic race track generating system. *Lecture Notes in Computer Science*, 7624:167–181, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_12/.

Choi:2012:LPD

[401] Yongsoon Choi, Rahul Parsani, Xavier Roman, Anshul Vikram Pandey, and Adrian David Cheok. Light perfume: Designing a wearable lighting and olfactory accessory for empathic interactions. *Lecture Notes in Computer Science*, 7624:182–197, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_13/.

Deaker:2012:SPO

[402] Chris Deaker, Masood Masoodian, and Bill Rogers. A survey of players' opinions on interface customization in world of warcraft. *Lecture Notes in*

Computer Science, 7624:198–213, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_14/.

Grammenos:2012:VRR

[403] Dimitris Grammenos, George Margetis, Panagiotis Koutlemanis, and Xenophon Zabulis. 53.090 virtual rusks = 510 real smiles using a fun exergame installation for advertising traditional food products. *Lecture Notes in Computer Science*, 7624:214–229, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_15/.

Gronbaek:2012:DPI

[404] Kaj Grønbæk, Karen Johanne Kortbek, Claus Møller, Jesper Nielsen, and Liselott Stenfeldt. Designing playful interactive installations for urban environments — the SwingScape experience. *Lecture Notes in Computer Science*, 7624:230–245, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_16/.

Guy:2012:FIS

[405] Olivier Guy and Ronan Champagnat. Flashback in interactive storytelling. *Lecture Notes in Computer Science*, 7624:246–261, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_17/.

Howland:2012:SCA

[406] Robert Howland, Sachi Urano, and Junichi Hoshino. SanjigenJiten: Computer assisted language learning system within a 3D game environment. *Lecture Notes in Computer Science*, 7624:262–273, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_18/.

Konya:2012:CPS

[407] Yuko Konya and Itiro Siio. A caption presentation system for the hearing impaired people attending theatrical performances. *Lecture Notes in Computer Science*, 7624:274–286, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_19/.

Kou:2012:EGE

[408] Kinyo Kou and Yoichiro Kawaguchi. Emergent gait evolution of quadruped artificial life. *Lecture Notes in Computer Science*, 7624:

287–296, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34292-9_20/.

Anonymous:2012:FMw

[409] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7624: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34292-9/1.

Andrei:2012:TBA

[410] Oana Andrei and Muffy Calder. Trend-based analysis of a population model of the AKAP scaffold protein. *Lecture Notes in Computer Science*, 7625:1–25, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35524-0_1/.

Angius:2012:QPF

[411] Alessio Angius, András Horváth, and Verena Wolf. Quasi product form approximation for Markov models of reaction networks. *Lecture Notes in Computer Science*, 7625:26–52, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35524-0_2/.

Bartocci:2012:MVC

[412] Ezio Bartocci, Pietro Liò, Emanuela Merelli, and Nicola Paoletti. Multiple verification in complex biological systems: The bone remodelling case study. *Lecture Notes in Computer Science*, 7625:53–76, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35524-0_3/.

Brim:2012:ARA

[413] L. Brim, J. Fabriková, S. Dražan, and D. Šafránek. On approximative reachability analysis of biochemical dynamical systems. *Lecture Notes in Computer Science*, 7625:77–101, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35524-0_4/.

Ehrenfeucht:2012:MRS

[414] Andrzej Ehrenfeucht, Jetty Kleijn, Maciej Koutny, and Grzegorz Rozenberg. Minimal reaction systems. *Lecture Notes in Computer Science*, 7625: 102–122, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35524-0_5/.

Versari:2012:CFR

[415] Cristian Versari and Gianluigi Zavattaro. Complex functional rates in rule-based languages for biochemistry. *Lecture Notes in Computer Science*, 7625:123–150, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35524-0_6/.

Yuan:2012:PMC

[416] Qixia Yuan, Panuwat Trairatphisan, Jun Pang, Sjouke Mauw, and Monique Wiesinger. Probabilistic model checking of the PDGF signaling pathway. *Lecture Notes in Computer Science*, 7625:151–180, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35524-0_7/.

Mizera:2012:SAM

[417] Andrzej Mizera, Eugen Czeizler, and Ion Petre. Self-assembly models of variable resolution. *Lecture Notes in Computer Science*, 7625:181–203, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35524-0_8/.

Wallace:2012:MCE

[418] Rodrick Wallace. Metabolic constraints on the evolution of genetic codes: Did multiple preaerobic' ecosystem transitions entrain richer dialects via serial endosymbiosis? *Lecture Notes in Computer Science*, 7625:204–232, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35524-0_9/.

Anonymous:2012:BMe

[419] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7625:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bbm:978-3-642-35524-0/1.

Anonymous:2012:FMx

[420] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7625:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-35524-0/1.

Nagy:2012:ELA

[421] George Nagy. Estimation, learning, and adaptation: Systems that improve with use. *Lecture Notes in Computer Science*, 7626:1–10, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_1/.

Kanatani:2012:OTG

[422] Kenichi Kanatani. Optimization techniques for geometric estimation: Beyond minimization. *Lecture Notes in Computer Science*, 7626:11–30, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_2/.

Leonardis:2012:HCR

[423] Aleš Leonardis. Hierarchical compositional representations of object structure. *Lecture Notes in Computer Science*, 7626:31–32, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34166-3_3.

Han:2012:ITP

[424] Lin Han, Luca Rossi, Andrea Torsello, Richard C. Wilson, and Edwin R. Hancock. Information theoretic prototype selection for unattributed graphs. *Lecture Notes in Computer Science*, 7626:33–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_4/.

Gauzere:2012:GKC

[425] Benoit Gaüzère, Luc Brun, and Didier Villemin. Graph kernels: Crossing information from different patterns using graph edit distance. *Lecture Notes in Computer Science*, 7626:42–50, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_5/.

Duin:2012:MSC

[426] Robert P. W. Duin, Ana L. N. Fred, Marco Loog, and Elżbieta Pekalska. Mode seeking clustering by KNN and mean shift evaluated. *Lecture Notes in Computer Science*, 7626:51–59, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_6/.

Fu:2012:LSK

[427] Zhouyu Fu, Guojun Lu, Kai-Ming Ting, and Dengsheng Zhang. Learning sparse kernel classifiers in the primal. *Lecture Notes in Computer Science*, 7626:60–69, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_7/.

Franek:2012:EWM

[428] Lucas Franek and Xiaoyi Jiang. Evolutionary weighted mean based framework for generalized median computation with application to strings. *Lecture Notes in Computer Science*, 7626:70–78, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_8/.

Bai:2012:GCJ

[429] Lu Bai and Edwin R. Hancock. Graph complexity from the Jensen–Shannon divergence. *Lecture Notes in Computer Science*, 7626:79–88, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_9/.

Feragen:2012:CCD

[430] Aasa Feragen. Complexity of computing distances between geometric trees. *Lecture Notes in Computer Science*, 7626:89–97, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_10/.

Cortes:2012:AGM

[431] Xavier Cortés, Francesc Serratosa, and Albert Solé-Ribalta. Active graph matching based on pairwise probabilities between nodes. *Lecture Notes in Computer Science*, 7626:98–106, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_11/.

Rebagliati:2012:RBC

[432] Nicola Rebagliati, Albert Solé-Ribalta, Marcello Pelillo, and Francesc Serratosa. On the relation between the common labelling and the median graph. *Lecture Notes in Computer Science*, 7626:107–115, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_12/.

Guimaraes:2012:HIS

[433] Silvio Jamil F. Guimarães, Jean Cousty, Yukiko Kenmochi, and Laurent Najman. A hierarchical image segmentation algorithm based on an observation scale. *Lecture Notes in Computer Science*, 7626:116–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_13/.

Tschirsich:2012:DSS

[434] Martin Tschirsich and Arjan Kuijper. A discrete scale space neighborhood for robust deep structure extraction. *Lecture Notes in Computer Science*, 7626:126–134, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_14/.

Gibert:2012:CGE

[435] Jaume Gibert, Ernest Valveny, Horst Bunke, and Alicia Fornés. On the correlation of graph edit distance and L_1 distance in the attribute statistics embedding space. *Lecture Notes in Computer Science*, 7626:135–143, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_15/.

Rossi:2012:AAS

[436] Luca Rossi, Andrea Torsello, and Edwin R. Hancock. Approximate axial symmetries from continuous time quantum walks. *Lecture Notes in Computer Science*, 7626:144–152, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_16/.

Lewin:2012:CBE

[437] Sergej Lewin, Xiaoyi Jiang, and Achim Clausing. A clustering-based ensemble technique for shape decomposition. *Lecture Notes in Computer Science*, 7626:153–161, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_17/.

Tschirsich:2012:LED

[438] Martin Tschirsich and Arjan Kuijper. Laplacian eigenimages in discrete scale space. *Lecture Notes in Computer Science*, 7626:162–170, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_18/.

Antanas:2012:RKB

[439] Laura Antanas, Paolo Frasconi, Fabrizio Costa, Tinne Tuytelaars, and Luc De Raedt. A relational kernel-based framework for hierarchical image understanding. *Lecture Notes in Computer Science*, 7626:171–180, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_19/.

Bai:2012:JSK

[440] Lu Bai, Edwin R. Hancock, and Peng Ren. A Jensen–Shannon kernel for hypergraphs. *Lecture Notes in Computer Science*, 7626:181–189, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34166-3_20/.

Anonymous:2012:FMy

[441] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7626: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34166-3/1.

Laumond:2012:GPA

[442] Jean-Paul Laumond. A geometric perspective of anthropomorphic embodied actions. *Lecture Notes in Computer Science*, 7628:1, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34327-8_1.

Sankai:2012:CFH

[443] Yoshiyuki Sankai. Cybernics: Fusion of human, machine and information. *Lecture Notes in Computer Science*, 7628:2, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34327-8_2.

Beetz:2012:IAA

[444] Michael Beetz. If abstraction is the answer, what is the question?— reasoning for everyday manipulation tasks. *Lecture Notes in Computer Science*, 7628:3, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34327-8_3.

Anzalone:2012:TPP

[445] Salvatore M. Anzalone, Yuichiro Yoshikawa, Hiroshi Ishiguro, and Emanuele Menegatti. Towards partners profiling in human robot interaction contexts. *Lecture Notes in Computer Science*, 7628:4–15, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34327-8_4/.

Vladimirov:2012:MBA

[446] Blagovest Vladimirov, Hyun Kim, and Namshik Park. Motivation-based autonomous behavior control of robotic computer. *Lecture Notes in Computer Science*, 7628:16–27, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34327-8_5/.

Wada:2012:EMS

[447] Kazuyoshi Wada, Keisuke Takayama, Yusuke Suganuma, and Toshihiko Suzuki. An evaluation method for smart variable space in living space. *Lecture Notes in Computer Science*, 7628:28–39, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34327-8_6/.

Kulakowski:2012:MRB

[448] Konrad Kułakowski and Tomasz Szmuc. Modeling robot behavior with CCL. *Lecture Notes in Computer Science*, 7628:40–51, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34327-8_7/.

Coleman:2012:VTS

[449] Robert Coleman, Vladimir Estivill-Castro, René Hexel, and Carl Lusty. Visual-trace simulation of concurrent finite-state machines for validation and model-checking of complex behaviour. *Lecture Notes in Computer Science*, 7628:52–64, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34327-8_8/.

Drumwright:2012:FDS

[450] Evan Drumwright. Fast dynamic simulation of highly articulated robots with contact via $\Theta(n^2)$ time dense generalized inertia matrix inversion. *Lecture Notes in Computer Science*, 7628:65–76, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34327-8_9/.

Xiong:2012:DAM

[451] Xiaogang Xiong, Ryo Kikuuwe, and Motoji Yamamoto. A differential-algebraic multistate friction model. *Lecture Notes in Computer Science*, 7628:77–88, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34327-8_10/`.

Fugl:2012:SFO

[452] Andreas Rune Fugl, Henrik Gordon Petersen, and Morten Willatzen. Simulation of flexible objects in robotics. *Lecture Notes in Computer Science*, 7628:89–100, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34327-8_11/`.

Lier:2012:CII

[453] Florian Lier, Simon Schulz, and Ingo Lütkebohle. Continuous integration for iterative validation of simulated robot models. *Lecture Notes in Computer Science*, 7628:101–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34327-8_12/`.

Nordmann:2012:SAS

[454] Arne Nordmann, Matthias Rolf, and Sebastian Wrede. Software abstractions for simulation and control of a continuum robot. *Lecture Notes in Computer Science*, 7628:113–124, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34327-8_13/`.

Kilgo:2012:VML

[455] Paul Kilgo, Eugene Syriani, and Monica Anderson. A visual modeling language for RDIS and ROS nodes using AToM^3. *Lecture Notes in Computer Science*, 7628:125–136, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34327-8_14/`.

Kimmel:2012:PEA

[456] Andrew Kimmel, Andrew Dobson, Zakary Littlefield, Athanasios Krontiris, and James Marble. PRACSYS: An extensible architecture for composing motion controllers and planners. *Lecture Notes in Computer Science*, 7628:137–148, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34327-8_15/`.

Dhouib:2012:RDS

[457] Saadia Dhouib, Selma Kchir, Serge Stinckwich, Tewfik Ziadi, and Mikal Ziane. RobotML, a domain-specific language to design, simulate and deploy robotic applications. *Lecture Notes in Computer Science*, 7628: 149–160, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34327-8_16/.

Gherardi:2012:JVC

[458] Luca Gherardi, Davide Brugali, and Daniele Comotti. A Java vs. C++ performance evaluation: a 3D modeling benchmark. *Lecture Notes in Computer Science*, 7628:161–172, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34327-8_17/.

Klaus:2012:CSS

[459] Gordon Klaus, Kyrre Glette, and Jim Tørresen. A comparison of sampling strategies for parameter estimation of a robot simulator. *Lecture Notes in Computer Science*, 7628:173–184, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34327-8_18/.

Shiomi:2012:FPS

[460] Masahiro Shiomi, Francesco Zanlungo, Kotaro Hayashi, and Takayuki Kanda. A framework with a pedestrian simulator for deploying robots into a real environment. *Lecture Notes in Computer Science*, 7628: 185–196, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34327-8_19/.

Echeverria:2012:SCR

[461] Gilberto Echeverria, Séverin Lemaignan, Arnaud Degroote, Simon Lacroix, and Michael Karg. Simulating complex robotic scenarios with MORSE. *Lecture Notes in Computer Science*, 7628:197–208, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34327-8_20/.

Anonymous:2012:FMz

[462] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7628: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34327-8/1.

Jing:2012:MBC

[463] Yiming Jing, Gail-Joon Ahn, and Hongxin Hu. Model-based conformance testing for Android. *Lecture Notes in Computer Science*, 7631: 1–18, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_1/.

Yasuda:2012:ASM

[464] Takanori Yasuda, Tsuyoshi Takagi, and Kouichi Sakurai. Application of scalar multiplication of Edwards curves to pairing-based cryptography. *Lecture Notes in Computer Science*, 7631:19–36, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_2/.

Chen:2012:SSA

[465] Chien-Ning Chen, Nisha Jacob, Sebastian Kutzner, San Ling, and Axel Poschmann. Standardized signature algorithms on ultra-constrained 4-bit MCU. *Lecture Notes in Computer Science*, 7631:37–50, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_3/.

Nekado:2012:VSC

[466] Kenta Nekado, Yasuyuki Nogami, and Kengo Iokibe. Very short critical path implementation of AES with direct logic gates. *Lecture Notes in Computer Science*, 7631:51–68, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_4/.

Yoneyama:2012:ORA

[467] Kazuki Yoneyama. One-round authenticated key exchange with strong forward secrecy in the standard model against constrained adversary. *Lecture Notes in Computer Science*, 7631:69–86, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_5/.

Vivek:2012:CSE

[468] S. Sree Vivek, S. Sharmila Deva Selvi, and C. Pandu Rangan. Compact stateful encryption schemes with ciphertext verifiability. *Lecture Notes in Computer Science*, 7631:87–104, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_6/.

Poh:2012:SEC

[469] Geong Sen Poh, Moesfa Soeheila Mohamad, and Muhammad Reza Z'aba. Structured encryption for conceptual graphs. *Lecture Notes in Computer Science*, 7631:105–122, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_7/.

Kawachi:2012:SKE

[470] Akinori Kawachi, Hirotoshi Takebe, and Keisuke Tanaka. Symmetric-key encryption scheme with multi-ciphertext non-malleability. *Lecture Notes in Computer Science*, 7631:123–137, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_8/.

Isobe:2012:SCL

[471] Takanori Isobe, Toshihiro Ohigashi, and Masakatu Morii. Slide cryptanalysis of lightweight stream cipher RAKAPOSHI. *Lecture Notes in Computer Science*, 7631:138–155, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_9/.

Sasaki:2012:BDF

[472] Yu Sasaki, Lei Wang, Yasuhiro Takasaki, Kazuo Sakiyama, and Kazuo Ohta. Boomerang distinguishers for full HAS-160 compression function. *Lecture Notes in Computer Science*, 7631:156–169, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_10/.

Wang:2012:PAC

[473] Lei Wang, Yu Sasaki, Kazuo Sakiyama, and Kazuo Ohta. Polynomial-advantage cryptanalysis of 3D cipher and 3D-based hash function. *Lecture Notes in Computer Science*, 7631:170–181, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_11/.

Wang:2012:AFD

[474] Jingjing Wang, Kefei Chen, and Shixiong Zhu. Annihilators of fast discrete Fourier spectra attacks. *Lecture Notes in Computer Science*, 7631:182–196, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_12/.

Lu:2012:MMA

[475] Jiqiang Lu, Yongzhuang Wei, Enes Pasalic, and Pierre-Alain Fouque. Meet-in-the-middle attack on reduced versions of the Camellia block cipher. *Lecture Notes in Computer Science*, 7631:197–215, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_13/.

Kiyoshima:2012:ECO

[476] Susumu Kiyoshima, Yoshifumi Manabe, and Tatsuaki Okamoto. Efficient concurrent oblivious transfer in super-polynomial-simulation security. *Lecture Notes in Computer Science*, 7631:216–232, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_14/.

Zhu:2012:ESP

[477] Youwen Zhu, Tsuyoshi Takagi, and Liusheng Huang. Efficient secure primitive for privacy preserving distributed computations. *Lecture Notes in Computer Science*, 7631:233–243, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_15/.

Suzuki:2012:GCG

[478] Itsuki Suzuki, Maki Yoshida, and Toru Fujiwara. Generic construction of GUC secure commitment in the KRK model. *Lecture Notes in Computer Science*, 7631:244–260, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34117-5_16/.

Anonymous:2012:BMf

[479] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7631: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bbm:978-3-642-34117-5/1.

Anonymous:2012:FMba

[480] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7631: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34117-5/1.

vanLaarhoven:2012:RCD

[481] Twan van Laarhoven and Elena Marchiori. Robust community detection methods with resolution parameter for complex detection in pro-

tein protein interaction networks. *Lecture Notes in Computer Science*, 7632:1–13, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_1/.

Ballester:2012:MLS

[482] Pedro J. Ballester. Machine learning scoring functions based on random forest and support vector regression. *Lecture Notes in Computer Science*, 7632:14–25, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_2/.

Laroum:2012:GAS

[483] Sami Laroum, Béatrice Duval, Dominique Tessier, and Jin-Kao Hao. A genetic algorithm for scale-based translocon simulation. *Lecture Notes in Computer Science*, 7632:26–37, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_3/.

Li:2012:FGS

[484] Yifeng Li, Alioune Ngom, and Luis Rueda. A framework of gene subset selection using multiobjective evolutionary algorithm. *Lecture Notes in Computer Science*, 7632:38–48, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_4/.

Hosoda:2012:MTA

[485] Masae Hosoda, Yukie Akune, and Kiyoko F. Aoki-Kinoshita. Multiple tree alignment with weights applied to carbohydrates to extract binding recognition patterns. *Lecture Notes in Computer Science*, 7632: 49–58, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_5/.

Zhang:2012:UAC

[486] Shuzhong Zhang, Kun Wang, Cody Ashby, Bilian Chen, and Xiuzhen Huang. A unified adaptive co-identification framework for high-D expression data. *Lecture Notes in Computer Science*, 7632:59–70, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_6/.

Suryanto:2012:PCG

[487] Chendra Hadi Suryanto, Hiroto Saigo, and Kazuhiro Fukui. Protein clustering on a Grassmann manifold. *Lecture Notes in Computer Science*,

7632:71–81, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_7/.

Shabash:2012:IPP

[488] Boris Shabash, Kay Wiese, and Edward Glen. Improving the portability and performance of jViz.RNA — a dynamic RNA visualization software. *Lecture Notes in Computer Science*, 7632:82–93, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_8/.

Singh:2012:NML

[489] Lavneet Singh, Girija Chetty, and Dharmendra Sharma. A novel machine learning approach for detecting the brain abnormalities from MRI structural images. *Lecture Notes in Computer Science*, 7632:94–105, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_9/.

Keeble-Gagnere:2012:OFE

[490] Gabriel Keeble-Gagnère, Johan Nyström-Persson, Matthew I. Bellgard, and Kenji Mizuguchi. An open framework for extensible multi-stage bioinformatics software. *Lecture Notes in Computer Science*, 7632:106–117, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_10/.

Cardoso:2012:AAG

[491] João Cardoso, Paulo Vilaça, Simão Soares, and Miguel Rocha. An algorithm to assemble gene-protein-reaction associations for genome-scale metabolic model reconstruction. *Lecture Notes in Computer Science*, 7632:118–128, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_11/.

Maraschin:2012:MLC

[492] Marcelo Maraschin, Amélia Somensi-Zeggio, Simone K. Oliveira, and Shirley Kuhnen. A machine learning and chemometrics assisted interpretation of spectroscopic data — a NMR-based metabolomics platform for the assessment of Brazilian Propolis. *Lecture Notes in Computer Science*, 7632:129–140, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_12/.

Taguchi:2012:PCA

[493] Y.-H. Taguchi and Akira Okamoto. Principal component analysis for bacterial proteomic analysis. *Lecture Notes in Computer Science*, 7632: 141–152, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_13/.

Razin:2012:AMM

[494] Nikolay Razin, Dmitry Sungurov, Vadim Mottl, Ivan Torshin, and Valentina Sulimova. Application of the multi-modal relevance vector machine to the problem of protein secondary structure prediction. *Lecture Notes in Computer Science*, 7632:153–165, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_14/.

Thomarat:2012:CDG

[495] Fabienne Thomarat, Fabien Lauer, and Yann Guermeur. Cascading discriminant and generative models for protein secondary structure prediction. *Lecture Notes in Computer Science*, 7632:166–177, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_15/.

Ohue:2012:IPP

[496] Masahito Ohue, Yuri Matsuzaki, Takashi Ishida, and Yutaka Akiyama. Improvement of the protein–protein docking prediction by introducing a simple hydrophobic interaction model: An application to interaction pathway analysis. *Lecture Notes in Computer Science*, 7632:178–187, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_16/.

Meydan:2012:RPS

[497] Cem Meydan and Osman Ugur Sezerman. Representation of protein secondary structure using bond-orientational order parameters. *Lecture Notes in Computer Science*, 7632:188–197, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_17/.

Li:2012:DPP

[498] Yifeng Li and Alioune Ngom. Diagnose the premalignant pancreatic cancer using high dimensional linear machine. *Lecture Notes in Computer Science*, 7632:198–209, 2012. CODEN LNCSD9. ISSN 0302-9743 (print),

1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_18/.

Malhotra:2012:PVD

[499] Raunaq Malhotra, Shruthi Prabhakara, and Raj Acharya. Predicting V(D)J recombination using conditional random fields. *Lecture Notes in Computer Science*, 7632:210–221, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_19/.

Popovic:2012:SGA

[500] Dusan Popovic, Alejandro Sifrim, Georgios A. Pavlopoulos, Yves Moreau, and Bart De Moor. A simple genetic algorithm for biomarker mining. *Lecture Notes in Computer Science*, 7632:222–232, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34123-6_20/.

Anonymous:2012:FMbb

[501] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7632: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34123-6/1.

Qu:2012:ISD

[502] Zhenhua Qu, Weiqi Luo, and Jiwu Huang. Identifying shifted double JPEG compression artifacts for non-intrusive digital image forensics. *Lecture Notes in Computer Science*, 7633:1–8, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_1/.

Ding:2012:NCR

[503] Shouhong Ding, Feiyue Huang, Zhifeng Xie, Yongjian Wu, and Lizhuang Ma. A novel customized recompression framework for massive Internet images. *Lecture Notes in Computer Science*, 7633:9–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_2/.

Qin:2012:DEB

[504] Xueying Qin, Rui Zhang, Lili Lin, Fan Zhong, Guanyu Xing, and Qunsheng Peng. Decomposition equation of basis images with consideration of global illumination. *Lecture Notes in Computer Science*, 7633: 17–24, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_3/.

Wang:2012:IID

[505] Zhongqiang Wang and Li Zhu. Intrinsic image decomposition with local smooth assumption and global color assumption. *Lecture Notes in Computer Science*, 7633:25–32, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_4/.

Li:2012:GTA

[506] Jing Li, Gang Zeng, Rui Gan, Hongbin Zha, and Long Wang. A game-theoretical approach to image segmentation. *Lecture Notes in Computer Science*, 7633:33–42, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_5/.

Guo:2012:CNH

[507] Yu Guo, Xiaowu Chen, Bin Zhou, and Qinping Zhao. Clothed and naked human shapes estimation from a single image. *Lecture Notes in Computer Science*, 7633:43–50, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_6/.

Wang:2012:ICA

[508] Xiaohui Wang, Jia Jia, Hanyu Liao, and Lianhong Cai. Image colorization with an affective word. *Lecture Notes in Computer Science*, 7633:51–58, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_7/.

Chen:2012:SIC

[509] Na Chen and Viktor K. Prasanna. Semantic image clustering using object relation network. *Lecture Notes in Computer Science*, 7633:59–66, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_8/.

Zhang:2012:EST

[510] Guo-Xin Zhang, Yu-Kun Lai, and Shi-Min Hu. Efficient solid texture synthesis using gradient solids. *Lecture Notes in Computer Science*, 7633:67–74, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_9/.

Fan:2012:RAD

[511] Hanqi Fan, Qunsheng Peng, and Yizhou Yu. A robust algorithm for denoising meshes with high-resolution details. *Lecture Notes in Computer Science*, 7633:75–82, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_10/.

Zhao:2012:MSP

[512] Jieyi Zhao, Min Tang, and Ruofeng Tong. Mesh segmentation for parallel decompression on GPU. *Lecture Notes in Computer Science*, 7633: 83–90, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_11/.

Zhou:2012:MRU

[513] Qian-Yi Zhou and Ulrich Neumann. Modeling residential urban areas from dense aerial LiDAR point clouds. *Lecture Notes in Computer Science*, 7633:91–98, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_12/.

Weng:2012:CTM

[514] Yanlin Weng, Dongping Li, and Yiying Tong. Constrained texture mapping on subdivision surfaces. *Lecture Notes in Computer Science*, 7633: 99–106, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_13/.

Fan:2012:SRC

[515] Qiang Fan and Chun Qi. Similar region contrast based salient object detection. *Lecture Notes in Computer Science*, 7633:107–114, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_14/.

Miao:2012:SET

[516] Yongwei Miao, Jieqing Feng, Jinrong Wang, and Renato Pajarola. A shape enhancement technique based on multi-channel salience measure. *Lecture Notes in Computer Science*, 7633:115–121, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_15/.

Yang:2012:MSS

[517] Yong-Liang Yang and Chao-Hui Shen. Multi-scale salient feature extraction on mesh models. *Lecture Notes in Computer Science*, 7633: 122–129, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_16/.

Wang:2012:GCS

[518] Jie Wang, Caiming Zhang, Yuanfeng Zhou, Yu Wei, and Yi Liu. Global contrast of superpixels based salient region detection. *Lecture Notes in Computer Science*, 7633:130–137, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_17/.

Zhang:2012:ISS

[519] Lei Zhang, Yao Zhao, and Zhenfeng Zhu. Incremental shared subspace learning for multi-label classification. *Lecture Notes in Computer Science*, 7633:138–145, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_18/.

Liu:2012:LDB

[520] Yong-Jin Liu, Qiu-Fang Fu, Ye Liu, and Xiao-Lan Fu. 2D-line-drawing-based 3D object recognition. *Lecture Notes in Computer Science*, 7633: 146–153, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_19/.

Xiao:2012:GRI

[521] Yanhui Xiao, Zhenfeng Zhu, and Yao Zhao. Graph regularized ICA for over-complete feature learning. *Lecture Notes in Computer Science*, 7633: 154–161, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34263-9_20/.

Anonymous:2012:FMbc

[522] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7633: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34263-9/1.

Feng:2012:USD

[523] XiaoXiao Feng, Koichi Matsumoto, and Shigeo Sugimoto. Uncovering the secrets of Daoism *Fus* using digital Dao-Fa Hui-Yuan. *Lecture Notes in Computer Science*, 7634:1–10, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34752-8_1/.

Baumann:2012:APC

[524] Ryan Baumann, Christopher Blackwell, and W. Brent Seales. Automatic perspective correction of manuscript images. *Lecture Notes in Computer Science*, 7634:11–18, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34752-8_2/.

Wang:2012:OBF

[525] Chao Wang, Ling Zhuang, Jiangqin Wu, and Feng Zhou. An ontology-based fuzzy matching approach to semantic retrieval of historical place names. *Lecture Notes in Computer Science*, 7634:19–28, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34752-8_3/.

Usman:2012:ESS

[526] Amjad Usman and Sharifullah Khan. Exploiting semantics in subject-based searching of DSpace. *Lecture Notes in Computer Science*, 7634:29–38, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34752-8_4/.

Fujikawa:2012:CCA

[527] Kazuya Fujikawa, Hideo Joho, and Shin'ichi Nakayama. Constraint can affect human perception, behaviour, and performance of search. *Lecture Notes in Computer Science*, 7634:39–48, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34752-8_5/.

Phiri:2012:BGD

[528] Lighton Phiri, Kyle Williams, Miles Robinson, Stuart Hammar, and Hussein Suleman. Bonolo: a general digital library system for file-based collections. *Lecture Notes in Computer Science*, 7634:49–58, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34752-8_6/.

Ishita:2012:RCP

[529] Emi Ishita, Yukiko Watanabe, Ai Yamaguchi, Takako Oda, Yuiko Higa, and Miki Horiuchi. The ratio of conference papers in citations of engineering dissertations at Kyushu University. *Lecture Notes in Computer Science*, 7634:59–62, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34752-8_7/`.

Mercun:2012:PEC

[530] Tanja Merčun, Maja Žumer, and Trond Aalberg. Presenting and exploring the complexity of bibliographic relationships. *Lecture Notes in Computer Science*, 7634:63–66, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34752-8_8/`.

Guruprasad:2012:UPA

[531] R. Guruprasad, Khaiser Nikam, and P. Marimuthu. Use patterns of aerospace E-indexing, abstracting and citation services: a research study of aerospace scientists and engineers of Bangalore. *Lecture Notes in Computer Science*, 7634:67–72, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34752-8_9/`.

Yang:2012:TAD

[532] Christopher C. Yang, Xuning Tang, Min Song, and Suyeon Kim. A trend analysis of domain-specific literatures with content and co-author network similarity. *Lecture Notes in Computer Science*, 7634:73–76, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34752-8_10/`.

Shams:2012:ISK

[533] Rushdi Shams and Robert E. Mercer. Improving supervised keyphrase indexer classification of keyphrases with text denoising. *Lecture Notes in Computer Science*, 7634:77–86, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34752-8_11/`.

Mihara:2012:MCA

[534] Tetsuya Mihara, Mitsuharu Nagamori, and Shigeo Sugimoto. A metadata-centric approach to a production and browsing platform of Manga. *Lecture Notes in Computer Science*, 7634:87–96, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34752-8_12/`.

Cai:2012:CMS

[535] Yundong Cai, Yin-Leng Theng, Qimeng Cai, Zhi Ling, Yangbo Ou, and Gladys Theng. Crowdsourcing metadata schema generation for Chinese-style costume digital library. *Lecture Notes in Computer Science*, 7634: 97–105, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34752-8_13/.

Tan:2012:SIP

[536] Esther Meng-Yoke Tan, Dion Hoe-Lian Goh, Yin-Leng Theng, and Schubert Foo. Social interaction patterns during mobile information seeking. *Lecture Notes in Computer Science*, 7634:106–115, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34752-8_14/.

Zheng:2012:SAS

[537] Liangju Zheng, Weiming Lu, Meng Zhang, Baofeng Zhang, and Baogang Wei. A scalable, adaptive, self-management and fault-tolerant architecture for digital library. *Lecture Notes in Computer Science*, 7634: 116–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34752-8_15/.

Pe-Than:2012:EMI

[538] Ei Pa Pa Pe-Than, Dion Hoe-Lian Goh, and Chei Sian Lee. Enjoyment of a mobile information sharing game: Perspectives from needs satisfaction and information quality. *Lecture Notes in Computer Science*, 7634: 126–135, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34752-8_16/.

Kanyacome:2012:NCD

[539] Suparp Kanyacome, Smarn Loipha, and Somchai Numprasertchai. Needs of collaborative digital library for secondary school students in Thailand. *Lecture Notes in Computer Science*, 7634:136–139, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34752-8_17/.

Nel:2012:ELI

[540] Marius Nel, Kyle Williams, and Hussein Suleman. Evaluating large image support for DSpace. *Lecture Notes in Computer Science*, 7634: 140–143, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34752-8_18/.

Pu:2012:UNO

[541] Hsiao-Tieh Pu and Ying-Han Chang. User navigation for online video leisure: An exploratory study. *Lecture Notes in Computer Science*, 7634: 144–147, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34752-8_19/.

Zumer:2012:UVF

[542] Maja Žumer, Athena Salaba, and Yin Zhang. User verification of the FRBR conceptual model and testing of FRBR prototypes. *Lecture Notes in Computer Science*, 7634:148–151, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34752-8_20/.

Anonymous:2012:FMbd

[543] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7634: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34752-8/1.

Tokoro:2012:TPA

[544] Mario Tokoro. Toward practical application of formal methods in software lifecycle processes. *Lecture Notes in Computer Science*, 7635:1, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34281-3_1.

Cofer:2012:FMA

[545] Darren Cofer. Formal methods in the aerospace industry: Follow the money. *Lecture Notes in Computer Science*, 7635:2–3, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34281-3_2.

Shostak:2012:ATR

[546] Robert E. Shostak. Applying term rewriting to speech recognition of numbers. *Lecture Notes in Computer Science*, 7635:4, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34281-3_3.

Le:2012:VPC

[547] Duy-Khanh Le, Wei-Ngan Chin, and Yong-Meng Teo. Variable permissions for concurrency verification. *Lecture Notes in Computer Science*, 7635:5–21, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_4/.

Yang:2012:CTP

[548] Xiaoxiao Yang, Yu Zhang, Ming Fu, and Xinyu Feng. A concurrent temporal programming model with atomic blocks. *Lecture Notes in Computer Science*, 7635:22–37, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_5/.

Barnett:2012:CMM

[549] Granville Barnett and Shengchao Qin. A composable mixed mode concurrency control semantics for transactional programs. *Lecture Notes in Computer Science*, 7635:38–53, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_6/.

Gjondrekaj:2012:TFV

[550] Edmond Gjondrekaj, Michele Loreti, Rosario Pugliese, Francesco Tiezzi, and Carlo Pinciroli. Towards a formal verification methodology for collective robotic systems. *Lecture Notes in Computer Science*, 7635:54–70, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_7/.

Johnsen:2012:MRA

[551] Einar Broch Johnsen, Rudolf Schlatte, and Silvia Lizeth Tapia Tarifa. Modeling resource-aware virtualized applications for the cloud in real-time ABS. *Lecture Notes in Computer Science*, 7635:71–86, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_8/.

Ogata:2012:SMC

[552] Kazuhiro Ogata and Phan Thi Thanh Huyen. Specification and model checking of the chandy and Lamport distributed snapshot algorithm in rewriting logic. *Lecture Notes in Computer Science*, 7635:87–102, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_9/.

Mu:2012:QPD

[553] Chunyan Mu. Quantitative program dependence graphs. *Lecture Notes in Computer Science*, 7635:103–118, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_10/.

Mhamdi:2012:QAI

[554] Tarek Mhamdi, Osman Hasan, and Sofiène Tahar. Quantitative analysis of information flow using theorem proving. *Lecture Notes in Computer Science*, 7635:119–134, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_11/.

Varshosaz:2012:MVP

[555] Mahsa Varshosaz and Ramtin Khosravi. Modeling and verification of probabilistic actor systems using pRebeca. *Lecture Notes in Computer Science*, 7635:135–150, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_12/.

Zongyan:2012:MVO

[556] Qiu Zongyan, Hong Ali, and Liu Yijing. Modular verification of OO programs with interfaces. *Lecture Notes in Computer Science*, 7635:151–166, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_13/.

Bobot:2012:SPT

[557] François Bobot and Jean-Christophe Filliâtre. Separation predicates: a taste of separation logic in first-order logic. *Lecture Notes in Computer Science*, 7635:167–181, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_14/.

Harrison:2012:CPP

[558] William L. Harrison, Adam Procter, and Gerard Allwein. The confinement problem in the presence of faults. *Lecture Notes in Computer Science*, 7635:182–197, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_15/.

Buttner:2012:VAT

[559] Fabian Büttner, Marina Egea, Jordi Cabot, and Martin Gogolla. Verification of ATL transformations using transformation models and model finders. *Lecture Notes in Computer Science*, 7635:198–213, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_16/.

Lin:2012:AGP

[560] Shang-Wei Lin, Yang Liu, Pao-Ann Hsiung, Jun Sun, and Jin Song Dong. Automatic generation of provably correct embedded systems. *Lecture Notes in Computer Science*, 7635:214–229, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_17/.

Su:2012:CMD

[561] Wen Su, Jean-Raymond Abrial, and Huibiao Zhu. Complementary methodologies for developing hybrid systems with event-B. *Lecture Notes in Computer Science*, 7635:230–248, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_18/.

Tomita:2012:TLM

[562] Takashi Tomita, Shin Hiura, Shigeki Hagihara, and Naoki Yonezaki. A temporal logic with mean-payoff constraints. *Lecture Notes in Computer Science*, 7635:249–265, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_19/.

Han:2012:TCT

[563] Meng Han, Zhenhua Duan, and Xiaobing Wang. Time constraints with temporal logic programming. *Lecture Notes in Computer Science*, 7635:266–282, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34281-3_20/.

Anonymous:2012:FMbe

[564] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7635:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34281-3/1.

Moha:2012:SDS

[565] Naouel Moha, Francis Palma, Mathieu Nayrolles, and Benjamin Joyen Conseil. Specification and detection of SOA antipatterns. *Lecture Notes in Computer Science*, 7636:1–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_1/.

Belardinelli:2012:VGB

[566] Francesco Belardinelli, Alessio Lomuscio, and Fabio Patrizi. Verification of GSM-based artifact-centric systems through finite abstraction. *Lecture Notes in Computer Science*, 7636:17–31, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_2/.

Americo:2012:SCA

[567] João Claudio Américo and Didier Donsez. Service component architecture extensions for dynamic systems. *Lecture Notes in Computer Science*, 7636:32–47, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_3/.

Sengupta:2012:WDY

[568] Bikram Sengupta, Anshu Jain, Kamal Bhattacharya, Hong-Linh Truong, and Schahram Dustdar. Who do you call? Problem resolution through social compute units. *Lecture Notes in Computer Science*, 7636:48–62, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_4/.

Kurniawan:2012:RPC

[569] Tri A. Kurniawan, Aditya K. Ghose, Hoa Khanh Dam, and Lam-Son Lê. Relationship-preserving change propagation in process ecosystems. *Lecture Notes in Computer Science*, 7636:63–78, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_5/.

Gupta:2012:SST

[570] Hari S. Gupta and Bikram Sengupta. Scheduling service tickets in shared delivery. *Lecture Notes in Computer Science*, 7636:79–95, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_6/.

Truong:2012:PHS

[571] Hong-Linh Truong, Schahram Dustdar, and Kamal Bhattacharya. Programming hybrid services in the cloud. *Lecture Notes in Computer Science*, 7636:96–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_7/.

Ye:2012:QAC

[572] Zhen Ye, Athman Bouguettaya, and Xiaofang Zhou. QoS-aware cloud service composition based on economic models. *Lecture Notes in Computer Science*, 7636:111–126, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_8/.

Wittern:2012:CSS

[573] Erik Wittern, Jörn Kuhlenkamp, and Michael Menzel. Cloud service selection based on variability modeling. *Lecture Notes in Computer Science*, 7636:127–141, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_9/.

Roy:2012:EES

[574] Marcus Roy, Ingo Weber, and Boualem Benatallah. Extending enterprise service design knowledge using clustering. *Lecture Notes in Computer Science*, 7636:142–157, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_10/.

Wittern:2012:PSD

[575] Erik Wittern, Nelly Schuster, Jörn Kuhlenkamp, and Stefan Tai. Participatory service design through composed and coordinated service feature models. *Lecture Notes in Computer Science*, 7636:158–172, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_11/.

Yu:2012:PAE

[576] Jian Yu, Jun Han, Quan Z. Sheng, and Steven O. Gunarso. PerCAS: An approach to enabling dynamic and personalized adaptation for context-aware services. *Lecture Notes in Computer Science*, 7636:173–190, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_12/.

Shrinivasan:2012:MAI

[577] Yedendra Babu Shrinivasan, Gargi Banerjee Dasgupta, Nirmit Desai, and Jayan Nallacherry. A method for assessing influence relationships among KPIs of service systems. *Lecture Notes in Computer Science*, 7636: 191–205, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_13/.

Patikirikorala:2012:DPM

[578] Tharindu Patikirikorala, Indika Kumara, Alan Colman, Jun Han, and Liuping Wang. Dynamic performance management in multi-tenanted business process servers using nonlinear control. *Lecture Notes in Computer Science*, 7636:206–221, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_14/.

Baouab:2012:ODE

[579] Aymen Baouab, Olivier Perrin, and Claude Godart. An optimized derivation of event queries to monitor choreography violations. *Lecture Notes in Computer Science*, 7636:222–236, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_15/.

Ramacher:2012:DSS

[580] Rene Ramacher and Lars Mönch. Dynamic service selection with end-to-end constrained uncertain QoS attributes. *Lecture Notes in Computer Science*, 7636:237–251, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_16/.

Ivanovic:2012:CBA

[581] Dragan Ivanović, Manuel Carro, and Manuel V. Hermenegildo. A constraint-based approach to quality assurance in service choreographies. *Lecture Notes in Computer Science*, 7636:252–267, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_17/.

Lu:2012:SOR

[582] Kuan Lu, Ramin Yahyapour, Edwin Yaqub, and Constantinos Kotsokalis. Structural optimization of reduced ordered binary decision diagrams for SLA negotiation in IaaS of cloud computing. *Lecture Notes in Computer Science*, 7636:268–282, 2012. CODEN LNCSD9. ISSN 0302-9743 (print),

1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_18/.

Oster:2012:SCF

[583] Zachary J. Oster, Syed Adeel Ali, Ganesh Ram Santhanam, Samik Basu, and Partha S. Roop. A service composition framework based on goal-oriented requirements engineering, model checking, and qualitative preference analysis. *Lecture Notes in Computer Science*, 7636: 283–297, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_19/.

Wang:2012:WNW

[584] Hongbing Wang, Jie Zhang, Wenlong Sun, Hongye Song, Guibing Guo, and Xiang Zhou. WCP-Nets: a weighted extension to CP-Nets for Web service selection. *Lecture Notes in Computer Science*, 7636:298–312, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34321-6_20/.

Anonymous:2012:FMbf

[585] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7636: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34321-6/1.

Oliverio:2012:CDO

[586] Vinicius Oliverio and Estevam R. Hruschka, Jr. Contradiction detection and ontology extension in a never-ending learning system. *Lecture Notes in Computer Science*, 7637:1–10, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34654-5_1/.

Yee:2012:PRM

[587] Arturo Yee and Matías Alvarado. Pattern recognition and Monte-Carlo Tree Search for Go gaming better automation. *Lecture Notes in Computer Science*, 7637:11–20, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34654-5_2/.

Chacon:2012:ERS

[588] José Luis Chacón and Ramón Pino Pérez. Exploring the rationality of some syntactic merging operators. *Lecture Notes in Computer Science*,

7637:21–30, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34654-5_3/.

Grau:2012:FCM

[589] Isel Grau, Gonzalo Nápoles, Maikel León, and Ricardo Grau. Fuzzy cognitive maps for modelling, predicting and interpreting HIV drug resistance. *Lecture Notes in Computer Science*, 7637:31–40, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34654-5_4/.

Tomaz:2012:UMO

[590] Hilário Tomaz, Rinaldo Lima, João Emanoel, and Fred Freitas. An unsupervised method for ontology population from the Web. *Lecture Notes in Computer Science*, 7637:41–50, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34654-5_5/.

Gomez:2012:MCS

[591] Jonatan Gomez, Elizabeth León, and Olfa Nasraoui. Minimum cluster size estimation and cluster refinement for the randomized gravitational clustering algorithm. *Lecture Notes in Computer Science*, 7637:51–60, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34654-5_6/.

Leon:2012:OCP

[592] Elizabeth León, Jonatan Gómez, and Fabián Giraldo. Online cluster prototype generation for the gravitational clustering algorithm. *Lecture Notes in Computer Science*, 7637:61–70, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34654-5_7/.

Fernandes:2012:ARV

[593] Leandro A. F. Fernandes and Ana Cristina Bicharra García. Association rule visualization and pruning through response-style data organization and clustering. *Lecture Notes in Computer Science*, 7637:71–80, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34654-5_8/.

Rodrigues:2012:IRT

[594] Melissa Rodrigues, João Gama, and Carlos Abreu Ferreira. Identifying relationships in transactional data. *Lecture Notes in Computer Science*,

7637:81–90, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34654-5_9/.

Zalewski:2012:TSD

[595] Willian Zalewski, Fabiano Silva, Huei Diana Lee, Andre Gustavo Maletzke, and Feng Chung Wu. Time series discretization based on the approximation of the local slope information. *Lecture Notes in Computer Science*, 7637:91–100, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34654-5_10/.

Santiago:2012:EPS

[596] José Hernández Santiago, Jair Cervantes, Asdrúbal López-Chau, and Farid García Lamont. Enhancing the performance of SVM on skewed data sets by exciting support vectors. *Lecture Notes in Computer Science*, 7637:101–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34654-5_11/.

Skrobanek:2012:SIA

[597] Paweł Skrobanek, Olgierd Unold, Ewa Walkowicz, Henryk Maciejewski, and Maciej Dobrowolski. Study on the impact of affinity on the results of data mining in biological populations. *Lecture Notes in Computer Science*, 7637:111–119, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34654-5_12/.

Romao:2012:HCG

[598] Luiz Melo Romão and Julio César Nievola. Hierarchical classification of gene ontology with learning classifier systems. *Lecture Notes in Computer Science*, 7637:120–129, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34654-5_13/.

Pereira:2012:DSP

[599] Ricardo Timarán Pereira, Maria Clara Yepez Chamorro, and Andrés Calderón Romero. Detecting survival patterns in women with invasive cervical cancer with decision trees. *Lecture Notes in Computer Science*, 7637:130–139, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34654-5_14/.

Pasa:2012:USM

[600] Leandro A. Pasa, José Alfredo F. Costa, Marcelo C. Tosin, and Fábio A. Procópio de Paiva. Using SOM maps for clustering and visualization of diamond films deposited by HFCVD process. *Lecture Notes in Computer Science*, 7637:140–148, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34654-5_15/`.

deLima:2012:SFN

[601] Tiago P. F. de Lima, Adenilton J. da Silva, and Teresa B. Ludermir. Selection and fusion of neural networks via differential evolution. *Lecture Notes in Computer Science*, 7637:149–158, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34654-5_16/`.

Villuendas-Rey:2012:PSC

[602] Yenny Villuendas-Rey, Yailé Caballero-Mota, and María Matilde García-Lorenzo. Prototype selection with compact sets and extended rough sets. *Lecture Notes in Computer Science*, 7637:159–168, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34654-5_17/`.

Verbiest:2012:ISF

[603] Nele Verbiest, Enislay Ramentol, Chris Cornelis, and Francisco Herrera. Improving SMOTE with fuzzy rough prototype selection to detect noise in imbalanced classification data. *Lecture Notes in Computer Science*, 7637:169–178, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34654-5_18/`.

Cobos:2012:FFO

[604] Carlos Cobos, Leydy Muñoz, Martha Mendoza, Elizabeth León, and Enrique Herrera-Viedma. Fitness function obtained from a genetic programming approach for Web document clustering using evolutionary algorithms. *Lecture Notes in Computer Science*, 7637:179–188, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34654-5_19/`.

Metz:2012:EPE

[605] Jean Metz, Luís F. D. de Abreu, Everton A. Cherman, and Maria C. Monard. On the estimation of predictive evaluation measure baselines for multi-label learning. *Lecture Notes in Computer Science*, 7637:

189–198, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34654-5_20/.

Anonymous:2012:FMbg

[606] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7637: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34654-5/1.

Johnson:2012:WHB

[607] Benjamin Johnson, Pascal Schöttle, and Rainer Böhme. Where to hide the bits? *Lecture Notes in Computer Science*, 7638:1–17, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34266-0_1/.

Nojoumian:2012:SRS

[608] Mehrdad Nojoumian and Douglas R. Stinson. Socio-rational secret sharing as a new direction in rational cryptography. *Lecture Notes in Computer Science*, 7638:18–37, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34266-0_2/.

Blocki:2012:AMP

[609] Jeremiah Blocki, Nicolas Christin, Anupam Datta, and Arunesh Sinha. Audit mechanisms for provable risk management and accountable data governance. *Lecture Notes in Computer Science*, 7638:38–59, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34266-0_3/.

Hoe:2012:GTA

[610] SingRu (Celine) Hoe, Murat Kantarcioglu, and Alain Bensoussan. A game theoretical analysis of lemonizing cybercriminal black markets. *Lecture Notes in Computer Science*, 7638:60–77, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34266-0_4/.

Dritsoula:2012:CNE

[611] Lemonia Dritsoula, Patrick Loiseau, and John Musacchio. Computing the Nash equilibria of intruder classification games. *Lecture Notes in Computer Science*, 7638:78–97, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34266-0_5/.

Buldas:2012:UBA

[612] Ahto Buldas and Roman Stepanenko. Upper bounds for adversaries' utility in attack trees. *Lecture Notes in Computer Science*, 7638:98–117, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34266-0_6/`.

Lin:2012:USG

[613] Jingqiang Lin, Peng Liu, and Jiwu Jing. Using signaling games to model the multi-step attack-defense scenarios on confidentiality. *Lecture Notes in Computer Science*, 7638:118–137, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34266-0_7/`.

Nochenson:2012:SGT

[614] Alan Nochenson and C. F. Larry Heimann. Simulation and game-theoretic analysis of an attacker-defender game. *Lecture Notes in Computer Science*, 7638:138–151, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34266-0_8/`.

Laszka:2012:LLF

[615] Aron Laszka, Dávid Szeszlér, and Levente Buttyán. Linear loss function for the network blocking game: An efficient model for measuring network robustness and link criticality. *Lecture Notes in Computer Science*, 7638:152–170, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34266-0_9/`.

Clark:2012:DRR

[616] Andrew Clark, Quanyan Zhu, Radha Poovendran, and Tamer Başar. Deceptive routing in relay networks. *Lecture Notes in Computer Science*, 7638:171–185, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34266-0_10/`.

Gueye:2012:GTF

[617] Assane Gueye and Vladimir Marbukh. A game-theoretic framework for network security vulnerability assessment and mitigation. *Lecture Notes in Computer Science*, 7638:186–200, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34266-0_11/`.

Pibil:2012:GTM

[618] Radek Píbil, Viliam Lisý, Christopher Kiekintveld, Branislav Bošanský, and Michal Pěchouček. Game theoretic model of strategic honeypot selection in computer networks. *Lecture Notes in Computer Science*, 7638: 201–220, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34266-0_12/.

Collins:2012:CBM

[619] M. Patrick Collins. A cost-based mechanism for evaluating the effectiveness of moving target defenses. *Lecture Notes in Computer Science*, 7638: 221–233, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34266-0_13/.

Pham:2012:WCM

[620] Viet Pham and Carlos Cid. Are we compromised? Modelling security assessment games. *Lecture Notes in Computer Science*, 7638: 234–247, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34266-0_14/.

Bowers:2012:DAU

[621] Kevin D. Bowers, Marten van Dijk, Robert Griffin, Ari Juels, and Alina Oprea. Defending against the unknown enemy: Applying FlipIt to system security. *Lecture Notes in Computer Science*, 7638:248–263, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34266-0_15/.

Amin:2012:ISE

[622] Saurabh Amin, Galina A. Schwartz, and Hamidou Tembine. Incentives and security in electricity distribution networks. *Lecture Notes in Computer Science*, 7638:264–280, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34266-0_16/.

Law:2012:SGR

[623] Yee Wei Law, Tansu Alpcan, Marimuthu Palaniswami, and Subhrakanti Dey. Security games and risk minimization for automatic generation control in smart grid. *Lecture Notes in Computer Science*, 7638:281–295, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34266-0_17/.

Nix:2012:CAD

[624] Robert Nix and Murat Kantarcioglu. Contractual agreement design for enforcing honesty in cloud outsourcing. *Lecture Notes in Computer Science*, 7638:296–308, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34266-0_18/.

Anonymous:2012:BMg

[625] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7638: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bbm:978-3-642-34266-0/1.

Anonymous:2012:FMbh

[626] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7638: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34266-0/1.

Sartor:2012:CNS

[627] Giovanni Sartor. Compliance with normative systems. *Lecture Notes in Computer Science*, 7639:1–32, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35731-2_1/.

Araszkiewicz:2012:CBA

[628] Michał Araszkiewicz. Coherence-based account of the doctrine of consistent interpretation. *Lecture Notes in Computer Science*, 7639:33–47, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35731-2_2/.

Pagallo:2012:TRC

[629] Ugo Pagallo. Three roads to complexity, AI and the law of robots: On crimes, contracts, and torts. *Lecture Notes in Computer Science*, 7639: 48–60, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35731-2_3/.

Weng:2012:LCN

[630] Yueh-Hsuan Weng and Sophie Ting Hong Zhao. The legal challenges of networked robotics: From the safety intelligence perspective. *Lecture*

Notes in Computer Science, 7639:61–72, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35731-2_4/.

Bourcier:2012:CCN

[631] Daniele Bourcier and Primavera De Filippi. Cloud computting: New research perspectives for computers and law. *Lecture Notes in Computer Science*, 7639:73–92, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35731-2_5/.

Agnoloni:2012:BRV

[632] Tommaso Agnoloni, Maria-Teresa Sagri, and Daniela Tiscornia. Balancing rights and values in the Italian courts: a benchmark for a quantitative analysis. *Lecture Notes in Computer Science*, 7639:93–105, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35731-2_6/.

Winkels:2012:SFN

[633] Radboud Winkels and Jelle de Ruyter. Survival of the fittest: Network analysis of Dutch Supreme Court cases. *Lecture Notes in Computer Science*, 7639:106–115, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35731-2_7/.

Ceci:2012:OFJ

[634] Marcello Ceci and Monica Palmirani. Ontology framework for judgment modelling. *Lecture Notes in Computer Science*, 7639:116–130, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35731-2_8/.

Boella:2012:ELD

[635] Guido Boella, Llio Humphreys, Marco Martin, Piercarlo Rossi, and Leendert van der Torre. Eunomos, a legal document and knowledge management system to build legal services. *Lecture Notes in Computer Science*, 7639:131–146, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35731-2_9/.

Francesconi:2012:ASM

[636] Enrico Francesconi. Axioms on a semantic model for legislation for accessing and reasoning over normative provisions. *Lecture Notes in Computer*

Science, 7639:147–161, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35731-2_10/.

Francesconi:2012:OAP

[637] Enrico Francesconi and Ginevra Peruginelli. An open access policy for legal informatics dissemination and sharing. *Lecture Notes in Computer Science*, 7639:162–170, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35731-2_11/.

Casanovas:2012:AOA

[638] Pompeu Casanovas and Enric Plaza. Advancing an open access publication model for legal information institutes. *Lecture Notes in Computer Science*, 7639:171–188, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35731-2_12/.

Smith:2012:CNN

[639] Clara Smith, Agustín Ambrossio, Leandro Mendoza, and Antonino Rotolo. Combinations of normal and non-normal modal logics for modeling collective trust in normative MAS. *Lecture Notes in Computer Science*, 7639:189–203, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35731-2_13/.

Laukyte:2012:SAB

[640] Migle Laukyte. Software agents as boundary objects. *Lecture Notes in Computer Science*, 7639:204–216, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35731-2_14/.

Vincent:2012:AID

[641] Andrew Vincent. Argumentation and intuitive decision making: Criminal sentencing and sentence indication. *Lecture Notes in Computer Science*, 7639:217–234, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35731-2_15/.

Boer:2012:AMB

[642] Alexander Boer and Tom van Engers. Application of model-based diagnosis to multi-agent systems representing public administration. *Lecture Notes in Computer Science*, 7639:235–244, 2012. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35731-2_16/`.

Ceci:2012:SAL

[643] Marcello Ceci, Leonardo Lesmo, Alessandro Mazzei, and Monica Palmirani. Semantic annotation of legal texts through a FrameNet-based approach. *Lecture Notes in Computer Science*, 7639:245–255, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35731-2_17/`.

Bertoldi:2012:DFB

[644] Anderson Bertoldi and Rove Luiza de Oliveira Chishman. Developing a frame-based lexicon for the Brazilian legal language: The case of the Criminal_Process Frame. *Lecture Notes in Computer Science*, 7639:256–270, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35731-2_18/`.

Myska:2012:CCG

[645] Matěj Myška, Terezie Smejkalová, Jaromír Šavelka, and Martin Škop. Creative Commons and grand challenge to make legal language simple. *Lecture Notes in Computer Science*, 7639:271–285, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35731-2_19/`.

Fernandez-Barrera:2012:UNE

[646] Meritxell Fernández-Barrera and Pompeu Casanovas. From user needs to expert knowledge: Mapping laymen queries with ontologies in the domain of consumer mediation. *Lecture Notes in Computer Science*, 7639:286–308, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35731-2_20/`.

Anonymous:2012:BMh

[647] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7639:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bbm:978-3-642-35731-2/1`.

Anonymous:2012:FMbi

[648] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7639:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-35731-2/1.

Meng:2012:ELB

[649] Yuxin Meng and Lam for Kwok. Enhancing list-based packet filter using IP verification mechanism against IP spoofing attack in network intrusion detection. *Lecture Notes in Computer Science*, 7645:1–14, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_1/.

Ranise:2012:AAS

[650] Silvio Ranise and Alessandro Armando. On the automated analysis of safety in usage control: a new decidability result. *Lecture Notes in Computer Science*, 7645:15–28, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_2/.

Wagner:2012:AMB

[651] Steffen Wagner, Sascha Wessel, and Frederic Stumpf. Attestation of mobile baseband stacks. *Lecture Notes in Computer Science*, 7645:29–43, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_3/.

Lee:2012:SLM

[652] Tae-Gyu Lee and Gi-Soo Chung. A scalable link model for local optical wireless networks. *Lecture Notes in Computer Science*, 7645:44–57, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_4/.

Alcaraz:2012:ASA

[653] Cristina Alcaraz and Javier Lopez. Addressing situational awareness in critical domains of a smart grid. *Lecture Notes in Computer Science*, 7645:58–71, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_5/.

Ibrahim:2012:IKO

[654] Amani S. Ibrahim, James Hamlyn-Harris, John Grundy, and Mohamed Almorsy. Identifying OS kernel objects for run-time security analysis. *Lecture Notes in Computer Science*, 7645:72–85, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_6/.

Lee:2012:BTM

[655] Tae-Gyu Lee and Gi-Soo Chung. Background transfer method for ubiquitous computing. *Lecture Notes in Computer Science*, 7645:86–99, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_7/.

Liu:2012:SOCa

[656] Shengli Liu, Fangguo Zhang, and Kefei Chen. Selective opening chosen ciphertext security directly from the DDH assumption. *Lecture Notes in Computer Science*, 7645:100–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_8/.

Tang:2012:PSS

[657] Shaohua Tang and Lingling Xu. Proxy signature scheme based on isomorphisms of polynomials. *Lecture Notes in Computer Science*, 7645:113–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_9/.

Tang:2012:UDV

[658] Fei Tang, Changlu Lin, and Pinhui Ke. Universal designated verifier signcryption. *Lecture Notes in Computer Science*, 7645:126–134, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_10/.

Timpanaro:2012:BEV

[659] Juan Pablo Timpanaro, Isabelle Chrisment, and Olivier Festor. A Bird's eye view on the I2P anonymous file-sharing environment. *Lecture Notes in Computer Science*, 7645:135–148, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_11/.

Mahdavifar:2012:CBA

[660] Samaneh Mahdavifar, Mahdi Abadi, Mohsen Kahani, and Hassan Mahdikhani. A clustering-based approach for personalized privacy preserving publication of moving object trajectory data. *Lecture Notes in Computer Science*, 7645:149–165, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_12/.

Wahid:2012:ENH

[661] Alif Wahid, Christopher Leckie, and Chenfeng Zhou. Estimating the number of hosts corresponding to an address while preserving anonymity. *Lecture Notes in Computer Science*, 7645:166–179, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_13/.

Han:2012:ERI

[662] Qi Han, Yinghui Zhang, Xiaofeng Chen, Hui Li, and Jiaxiang Quan. Efficient and robust identity-based handoff authentication in wireless networks. *Lecture Notes in Computer Science*, 7645:180–191, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_14/.

Zhao:2012:IAS

[663] Yifan Zhao, Swee-Won Lo, Robert H. Deng, and Xuhua Ding. An improved authentication scheme for H.264/SVC and its performance evaluation over non-stationary wireless mobile networks. *Lecture Notes in Computer Science*, 7645:192–205, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_15/.

Xiong:2012:PPK

[664] Kaiqi Xiong. The performance of public key-based authentication protocols. *Lecture Notes in Computer Science*, 7645:206–219, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_16/.

Li:2012:BVS

[665] Long-Hai Li, Cheng-Qiang Huang, and Shao-Feng Fu. Boardroom voting scheme with unconditionally secret ballots based on DC-Net. *Lecture Notes in Computer Science*, 7645:220–232, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_17/.

Yu:2012:RSN

[666] Yue Yu, Michael Fry, Bernhard Plattner, Paul Smith, and Alberto Schaeffer-Filho. Resilience strategies for networked malware detection and remediation. *Lecture Notes in Computer Science*, 7645:233–247, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_18/.

Menahem:2012:DSA

[667] Eitan Menahem, Rami Pusiz, and Yuval Elovici. Detecting spammers via aggregated historical data set. *Lecture Notes in Computer Science*, 7645: 248–262, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_19/.

Ibrahim:2012:OSK

[668] Amani S. Ibrahim, John Grundy, James Hamlyn-Harris, and Mohamed Almorsy. Operating system kernel data disambiguation to support security analysis. *Lecture Notes in Computer Science*, 7645:263–276, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34601-9_20/.

Anonymous:2012:FMbj

[669] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7645: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-34601-9/1.

Hameurlain:2012:TLS

[670] Abdelkader Hameurlain, Josef Küng, Roland Wagner, Stephen W. Liddle, Klaus-Dieter Schewe, and Xiaofang Zhou, editors. *Transactions on Large-Scale Data- and Knowledge-Centered Systems VI: Special Issue on Database- and Expert-Systems Applications*, volume 7600 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34178-0 (print), 3-642-34179-9 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-34179-3.

Yoshida:2012:AIC

[671] Hiroyuki Yoshida, David Hawkes, and Michael W. Vannier, editors. *Abdominal Imaging. Computational and Clinical Applications: 4th International Workshop, Held in Conjunction with MICCAI 2012, Nice, France, October 1, 2012. Proceedings*, volume 7601 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33611-6 (print), 3-642-33612-4 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-33612-6.

Abello:2012:MDE

[672] Alberto Abelló, Ladjel Bellatreche, and Boualem Benatallah, editors. *Model and Data Engineering: 2nd International Conference, MEDI 2012, Poitiers, France, October 3–5, 2012. Proceedings*, volume 7602 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33608-6 (print), 3-642-33609-4 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-33609-6.

tenTeije:2012:KEK

[673] Annette ten Teije, Johanna Völker, Siegfried Handschuh, Heiner Stuckenschmidt, Mathieu d'Acquin, Andriy Nikolov, Nathalie Aussenac-Gilles, and Nathalie Hernandez, editors. *Knowledge Engineering and Knowledge Management: 18th International Conference, EKAW 2012, Galway City, Ireland, October 8–12, 2012. Proceedings*, volume 7603 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33875-5 (print), 3-642-33876-3 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-33876-2.

Baeten:2012:TCS

[674] Jos C. M. Baeten, Tom Ball, and Frank S. de Boer, editors. *Theoretical Computer Science: 7th IFIP TC 1/WG 2.2 International Conference, TCS 2012, Amsterdam, The Netherlands, September 26–28, 2012. Proceedings*, volume 7604 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33474-1 (print), 3-642-33475-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-33475-7.

Calderon-Benavides:2012:SPI

[675] Liliana Calderón-Benavides, Cristina González-Caro, Edgar Chávez, and Nivio Ziviani, editors. *String Processing and Information Retrieval: 19th International Symposium, SPIRE 2012, Cartagena de Indias, Colombia, October 21–25, 2012. Proceedings*, volume 7608 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34108-X (print), 3-642-34109-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-34109-0.

Margaria:2012:LAF

[676] Tiziana Margaria and Bernhard Steffen, editors. *Leveraging Applications of Formal Methods, Verification and Validation. Applications and Case*

Studies: 5th International Symposium, ISoLA 2012, Heraklion, Crete, Greece, October 15–18, 2012, Proceedings, Part II, volume 7610 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34031-8 (print), 3-642-34032-6 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-34032-1.

Aguilera:2012:DCI

[677] Marcos K. Aguilera, editor. *Distributed Computing: 26th International Symposium, DISC 2012, Salvador, Brazil, October 16–18, 2012. Proceedings*, volume 7611 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33650-7 (print), 3-642-33651-5 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-33651-5.

Ortmeier:2012:CSRa

[678] Frank Ortmeier and Peter Daniel, editors. *Computer Safety, Reliability, and Security: 31st International Conference, SAFECOMP 2012, Magdeburg, Germany, September 25–28, 2012. Proceedings*, volume 7612 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33677-9 (print), 3-642-33678-7 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-33678-2.

Ortmeier:2012:CSRb

[679] Frank Ortmeier and Peter Daniel, editors. *Computer Safety, Reliability, and Security: SAFECOMP 2012 Workshops: Sassur, ASCoMS, DESEC4LCCI, ERCIM/EWICS, IWDE, Magdeburg, Germany, September 25–28, 2012. Proceedings*, volume 7613 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33674-4 (print), 3-642-33675-2 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-33675-1.

Isahara:2012:ANL

[680] Hitoshi Isahara and Kyoko Kanzaki, editors. *Advances in Natural Language Processing: 8th International Conference on NLP, JapTAL 2012, Kanazawa, Japan, October 22–24, 2012. Proceedings*, volume 7614 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33982-4 (print), 3-642-33983-2 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-33983-7.

Ioannides:2012:PCH

[681] Marinos Ioannides, Dieter Fritsch, Johanna Leissner, Rob Davies, Fabio Remondino, and Rossella Caffo, editors. *Progress in Cultural Heritage Preservation: 4th International Conference, EuroMed 2012, Limassol, Cyprus, October 29–November 3, 2012. Proceedings*, volume 7616 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34233-7 (print), 3-642-34234-5 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-34234-9.

Josang:2012:SIS

[682] Audun Jøsang and Bengt Carlsson, editors. *Secure IT Systems: 17th Nordic Conference, NordSec 2012, Karlskrona, Sweden, October 31–November 2, 2012. Proceedings*, volume 7617 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34209-4 (print), 3-642-34210-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-34210-3.

Chim:2012:ICS

[683] Tat Wing Chim and Tsz Hon Yuen, editors. *Information and Communications Security: 14th International Conference, ICICS 2012, Hong Kong, China, October 29–31, 2012. Proceedings*, volume 7618 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34128-4 (print), 3-642-34129-2 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-34129-8.

Hollmen:2012:AID

[684] Jaakko Hollmén, Frank Klawonn, and Allan Tucker, editors. *Advances in Intelligent Data Analysis XI: 11th International Symposium, IDA 2012, Helsinki, Finland, October 25–27, 2012. Proceedings*, volume 7619 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34155-1 (print), 3-642-34156-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-34156-4.

Busemeyer:2012:QII

[685] Jerome R. Busemeyer, François Dubois, Ariane Lambert-Mogiliansky, and Massimo Melucci, editors. *Quantum Interaction: 6th International Symposium, QI 2012, Paris, France, June 27–29, 2012, Revised Selected Papers*, volume 7620 of *Lecture Notes in Computer Science*. Springer-Verlag

Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-35658-3 (print), 3-642-35659-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-35659-9`.

Ge:2012:SRI

[686] Shuzhi Sam Ge, Oussama Khatib, John-John Cabibihan, Reid Simmons, and Mary-Anne Williams, editors. *Social Robotics: 4th International Conference, ICSR 2012, Chengdu, China, October 29–31, 2012. Proceedings*, volume 7621 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34102-0 (print), 3-642-34103-9 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-34103-8`.

Christianson:2012:SPX

[687] Bruce Christianson, James Malcolm, Frank Stajano, and Jonathan Anderson, editors. *Security Protocols XX: 20th International Workshop, Cambridge, UK, April 12–13, 2012, Revised Selected Papers*, volume 7622 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-35693-1 (print), 3-642-35694-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-35694-0`.

Winckler:2012:HCS

[688] Marco Winckler, Peter Forbrig, and Regina Bernhaupt, editors. *Human-Centered Software Engineering: 4th International Conference, HCSE 2012, Toulouse, France, October 29–31, 2012. Proceedings*, volume 7623 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34346-5 (print), 3-642-34347-3 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-34347-6`.

Nijholt:2012:ACE

[689] Anton Nijholt, Teresa Romão, and Dennis Reidsma, editors. *Advances in Computer Entertainment: 9th International Conference, ACE 2012, Kathmandu, Nepal, November 3–5, 2012. Proceedings*, volume 7624 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34291-4 (print), 3-642-34292-2 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-34292-9`.

Priami:2012:TCS

[690] Corrado Priami, Ion Petre, and Erik de Vink, editors. *Transactions on Computational Systems Biology XIV: Special Issue on Computational Models for Cell Processes*, volume 7625 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-35523-4 (print), 3-642-35524-2 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-35524-0.

Gimelfarb:2012:SSS

[691] Georgy Gimel'farb, Edwin Hancock, Atsushi Imiya, Arjan Kuijper, Mineichi Kudo, Shinichiro Omachi, Terry Windeatt, and Keiji Yamada, editors. *Structural, Syntactic, and Statistical Pattern Recognition: Joint IAPR International Workshop, SSPR&SPR 2012, Hiroshima, Japan, November 7–9, 2012. Proceedings*, volume 7626 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34165-9 (print), 3-642-34166-7 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-34166-3.

Noda:2012:SMP

[692] Itsuki Noda, Noriaki Ando, Davide Brugali, and James J. Kuffner, editors. *Simulation, Modeling, and Programming for Autonomous Robots: Third International Conference, SIMPAR 2012, Tsukuba, Japan, November 5–8, 2012. Proceedings*, volume 7628 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34326-0 (print), 3-642-34327-9 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-34327-8.

Hanaoka:2012:AIC

[693] Goichiro Hanaoka and Toshihiro Yamauchi, editors. *Advances in Information and Computer Security: 7th International Workshop on Security, IWSEC 2012, Fukuoka, Japan, November 7–9, 2012. Proceedings*, volume 7631 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34116-0 (print), 3-642-34117-9 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-34117-5.

Shibuya:2012:PRB

[694] Tetsuo Shibuya, Hisashi Kashima, Jun Sese, and Shandar Ahmad, editors. *Pattern Recognition in Bioinformatics: 7th IAPR International*

Conference, PRIB 2012, Tokyo, Japan, November 8–10, 2012. Proceedings, volume 7632 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34122-5 (print), 3-642-34123-3 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-34123-6`.

Hu:2012:CVM

[695] Shi-Min Hu and Ralph R. Martin, editors. *Computational Visual Media: First International Conference, CVM 2012, Beijing, China, November 8–10, 2012. Proceedings*, volume 7633 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34262-0 (print), 3-642-34263-9 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-34263-9`.

Chen:2012:ODL

[696] Hsin-Hsi Chen and Gobinda Chowdhury, editors. *The Outreach of Digital Libraries: A Globalized Resource Network: 14th International Conference on Asia-Pacific Digital Libraries, ICADL 2012, Taipei, Taiwan, November 12–15, 2012, Proceedings*, volume 7634 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34751-7 (print), 3-642-34752-5 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-34752-8`.

Aoki:2012:FMS

[697] Toshiaki Aoki and Kenji Taguchi, editors. *Formal Methods and Software Engineering: 14th International Conference on Formal Engineering Methods, ICFEM 2012, Kyoto, Japan, November 12–16, 2012. Proceedings*, volume 7635 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34280-9 (print), 3-642-34281-7 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-34281-3`.

Liu:2012:SOCb

[698] Chengfei Liu, Heiko Ludwig, Farouk Toumani, and Qi Yu, editors. *Service-Oriented Computing: 10th International Conference, ICSOC 2012, Shanghai, China, November 12–15, 2012. Proceedings*, volume 7636 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34320-1 (print), 3-642-34321-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic).

LCCN ???? URL http://www.springerlink.com/content/978-3-642-34321-6.

Pavon:2012:AAI

[699] Juan Pavón, Néstor D. Duque-Méndez, and Rubén Fuentes-Fernández, editors. *Advances in Artificial Intelligence — IBERAMIA 2012: 13th Ibero–American Conference on AI, Cartagena de Indias, Colombia, November 13–16, 2012. Proceedings*, volume 7637 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34653-7 (print), 3-642-34654-5 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-34654-5.

Grossklags:2012:DGT

[700] Jens Grossklags and Jean Walrand, editors. *Decision and Game Theory for Security: Third International Conference, GameSec 2012, Budapest, Hungary, November 5–6, 2012. Proceedings*, volume 7638 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34265-5 (print), 3-642-34266-3 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-34266-0.

Palmirani:2012:AAC

[701] Monica Palmirani, Ugo Pagallo, Pompeu Casanovas, and Giovanni Sartor, editors. *AI Approaches to the Complexity of Legal Systems. Models and Ethical Challenges for Legal Systems, Legal Language and Legal Ontologies, Argumentation and Software Agents: International Workshop AICOL-III, Held as Part of the 25th IVR Congress, Frankfurt am Main, Germany, August 15–16, 2011. Revised Selected Papers*, volume 7639 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-35730-X (print), 3-642-35731-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-35731-2.

Xu:2012:NSS

[702] Li Xu, Elisa Bertino, and Yi Mu, editors. *Network and System Security: 6th International Conference, NSS 2012, Wuyishan, Fujian, China, November 21–23, 2012. Proceedings*, volume 7645 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34600-6 (print), 3-642-34601-4 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-34601-9.