

- Turunen, E 2020, 'Necessary and sufficient conditions for the existence of solution of generalized fuzzy relation equations  $A \Leftrightarrow X = B$ ', *Information Sciences*, vol. 536, pp. 351-357. <https://doi.org/10.1016/j.ins.2020.05.015>
- Ghorbani, M, Dehmer, M, Cao, S, Feng, L, Tao, J & Emmert-Streib, F 2020, 'On the zeros of the partial Hosoya polynomial of graphs', *Information Sciences*, vol. 524, pp. 199-215. <https://doi.org/10.1016/j.ins.2020.03.011>
- Haukkanen, P, Mattila, M & Mäntysalo, J 2020, 'Studying the inertias of LCM matrices and revisiting the Bourque-Ligh conjecture', *Journal of Combinatorial Theory. Series A*, vol. 171, 105161. <https://doi.org/10.1016/j.jcta.2019.105161>
- Sahin, E, Stoykova, E, Mäkinen, J & Gotchev, A 2020, 'Computer-Generated Holograms for 3D Imaging: A Survey', *ACM Computing Surveys*, vol. 53, no. 2, 32. <https://doi.org/10.1145/3378444>
- Vagharshakyan, S, Bregovic, R & Gotchev, A 2020, Densely-sampled light field reconstruction. in *Real VR – Immersive Digital Reality*. Lecture Notes in Computer Science, vol. 11900, Springer, pp. 67-95. [https://doi.org/10.1007/978-3-030-41816-8\\_3](https://doi.org/10.1007/978-3-030-41816-8_3)
- Sahin, E, Mäkinen, J, Akpınar, U, Miyanishi, Y & Gotchev, A 2020, Design and characterization of light field and holographic near-eye displays. in *Real VR – Immersive Digital Reality*. Lecture Notes in Computer Science, vol. 11900, Springer, pp. 244-271. [https://doi.org/10.1007/978-3-030-41816-8\\_10](https://doi.org/10.1007/978-3-030-41816-8_10)
- Goranko, V, Kuusisto, A & Rönnholm, R 2020, 'Game-theoretic semantics for  $ATL^+$  with applications to model checking', *Information and Computation*. <https://doi.org/10.1016/j.ic.2020.104554>
- Ahtinen, A & Kaipainen, K 2020, Learning and Teaching Experiences with a Persuasive Social Robot in Primary School – Findings and Implications from a 4-Month Field Study. in SB Gram-Hansen, TS Jonassen & C Midden (eds), *Persuasive Technology. Designing for Future Change - 15th International Conference on Persuasive Technology, PERSUASIVE 2020, Proceedings*. Lecture Notes in Computer Science, vol. 12064, Springer, pp. 73-84, International Conference on Persuasive Technologies, Aalborg, Denmark, 20/04/20. [https://doi.org/10.1007/978-3-030-45712-9\\_6](https://doi.org/10.1007/978-3-030-45712-9_6)
- Khodamoradi, A, Liu, G, Mattavelli, P, Messo, T & Abedini, H 2020, 'PRBS-based loop gain identification and output impedance shaping in DC microgrid power converters', *Mathematics and Computers in Simulation*. <https://doi.org/10.1016/j.matcom.2020.04.017>
- Stanković, RS, Sasao, T, Astola, JT & Yamada, A 2020, Remarks on the Design of First Digital Computers in Japan - Contributions of Yasuo Komamiya. in R Moreno-Díaz, A Quesada-Arencibia & F Pichler (eds), *Computer Aided Systems Theory – EUROCAST 2019 - 17th International Conference, Revised Selected Papers*. Lecture Notes in Computer Science, vol. 12013, Springer, pp. 123-130, International Conference on Computer Aided Systems Theory, Spain, 17/02/19. [https://doi.org/10.1007/978-3-030-45093-9\\_16](https://doi.org/10.1007/978-3-030-45093-9_16)
- Curcio, IDD, Monakhov, D, Hourunranta, A & Aksu, EB 2020, Tile priorities in adaptive 360-degree video streaming. in T McDaniel, S Berretti, IDD Curcio & A Basu (eds), *Smart Multimedia - 2nd International Conference, ICSM 2019, Revised Selected Papers*. Lecture Notes in Computer Science, vol. 12015 LNCS, Springer, pp. 212-223, International Conference on Smart Multimedia, San Diego, United States, 16/12/19. [https://doi.org/10.1007/978-3-030-54407-2\\_18](https://doi.org/10.1007/978-3-030-54407-2_18)
- Ni, X & Huttunen, H 2020, 'Vehicle Attribute Recognition by Appearance: Computer Vision Methods for Vehicle Type, Make and Model Classification', *Journal of Signal Processing Systems*. <https://doi.org/10.1007/s11265-020-01567-6>
- Amaral, V, Norberto, B, Goulão, M, Aldinucci, M, Benkner, S, Bracciali, A, Carreira, P, Celms, E, Correia, L, Grelck, C, Karatza, H, Kessler, C, Kilpatrick, P, Martiniano, H, Mavridis, I, Pllana, S, Respício, A, Simão, J, Veiga, L & Visa, A 2019, 'Programming languages for data-intensive HPC applications: A systematic mapping study', *Parallel Computing*, vol. 91, 102584. <https://doi.org/10.1016/j.parco.2019.102584>
- Hella, L, Kuusisto, A, Meier, A & Vollmer, H 2019, 'Satisfiability of modal inclusion logic: Lax and strict semantics', *ACM TRANSACTIONS ON COMPUTATIONAL LOGIC*, vol. 21, no. 1, 7. <https://doi.org/10.1145/3356043>

- Hella, L, Kuusisto, A, Meier, A & Virtema, J 2019, 'Model checking and validity in propositional and modal inclusion logics', *JOURNAL OF LOGIC AND COMPUTATION*, vol. 29, no. 5, pp. 605-630. <https://doi.org/10.1093/logcom/exz008>
- Yu, G, Dehmer, M, Emmert-Streib, F & Jodlbauer, H 2019, 'Hermitian normalized Laplacian matrix for directed networks', *Information Sciences*, vol. 495, pp. 175-184. <https://doi.org/10.1016/j.ins.2019.04.049>
- Robertsén, F, Mattila, K & Westerholm, J 2019, 'High-performance SIMD implementation of the lattice-Boltzmann method on the Xeon Phi processor', *Concurrency Computation*, vol. 31, no. 13, e5072. <https://doi.org/10.1002/cpe.5072>
- San Juan Sebastián, P, Virtanen, T, Garcia-Molla, VM & Vidal, AM 2019, 'Analysis of an efficient parallel implementation of active-set Newton algorithm', *Journal of Supercomputing*, vol. 75, no. 3, pp. 1298-1309. <https://doi.org/10.1007/s11227-018-2423-5>
- Dehmer, M, Chen, Z, Emmert-Streib, F, Mowshowitz, A, Shi, Y, Tripathi, S & Zhang, Y 2019, 'Towards detecting structural branching and cyclicity in graphs: A polynomial-based approach', *Information Sciences*, vol. 471, pp. 19-28. <https://doi.org/10.1016/j.ins.2018.08.043>
- Al-Ars, Z, van der Vlugt, S, Jääskeläinen, P & van der Linden, F 2019, 'ALMARVI System Solution for Image and Video Processing in Healthcare, Surveillance and Mobile Applications', *Journal of Signal Processing Systems*, vol. 91, no. 1, pp. 1-7. <https://doi.org/10.1007/s11265-018-1423-2>
- Greipl, S, Ninaus, M, Bauer, D, Kiili, K & Moeller, K 2019, A fun-accuracy trade-off in game-based learning. in H Söbke, M Gentile & M Allegra (eds), *Games and Learning Alliance - 7th International Conference, GALA 2018, Proceedings*. Lecture Notes in Computer Science, vol. 11385, Springer Verlag, pp. 167-177, International Conference on Games and Learning Alliance, Palermo, Italy, 5/12/18. [https://doi.org/10.1007/978-3-030-11548-7\\_16](https://doi.org/10.1007/978-3-030-11548-7_16)
- Goranko, V, Kuusisto, A & Rönholm, R 2019, 'Alternating-time temporal logic ATL with finitely bounded semantics', *Theoretical Computer Science*. <https://doi.org/10.1016/j.tcs.2019.05.029>
- Kovalchukov, R, Moltchanov, D, Gaidamaka, Y & Bobrikova, E 2019, An Accurate Approximation of Resource Request Distributions in Millimeter Wave 3GPP New Radio Systems. in O Galinina, S Andreev, Y Koucheryavy & S Balandin (eds), *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 19th International Conference, NEW2AN 2019, and 12th Conference, ruSMART 2019, Proceedings*. Lecture Notes in Computer Science, vol. 11660, Springer Verlag, pp. 572-585, International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems, St. Petersburg, Russian Federation, 26/08/19. [https://doi.org/10.1007/978-3-030-30859-9\\_50](https://doi.org/10.1007/978-3-030-30859-9_50)
- Castillo, C, Pyattaev, A, Villa, J, Masek, P, Moltchanov, D & Ometov, A 2019, Autonomous UAV Landing on a Moving Vessel: Localization Challenges and Implementation Framework. in O Galinina, S Andreev, Y Koucheryavy & S Balandin (eds), *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 19th International Conference, NEW2AN 2019, and 12th Conference, ruSMART 2019, Proceedings*. Lecture Notes in Computer Science, vol. 11660, Springer Verlag, pp. 342-354, International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems, St. Petersburg, Russian Federation, 26/08/19. [https://doi.org/10.1007/978-3-030-30859-9\\_29](https://doi.org/10.1007/978-3-030-30859-9_29)
- Begishev, V, Samuylov, A, Moltchanov, D & Samouylov, K 2019, Characterizing the Degree of LTE Involvement in Supporting Session Continuity in Street Deployment of NR Systems. in VM Vishnevskiy, DV Kozyrev, KE Samouylov & DV Kozyrev (eds), *Distributed Computer and Communication Networks - 22nd International Conference, DCCN 2019, Revised Selected Papers*. Lecture Notes in Computer Science, vol. 11965, Springer, pp. 71-83, International Conference on Distributed and Computer and Communication Networks, Moscow, Russian Federation, 23/09/19. [https://doi.org/10.1007/978-3-030-36614-8\\_6](https://doi.org/10.1007/978-3-030-36614-8_6)
- Hildén, E & Väänänen, K 2019, Communicating User Insights with Travel Mindsets and Experience Personas in Intra-city Bus Context. in D Lamas, F Loizides, L Nacke, H Petrie, M Winckler & P Zaphiris (eds), *Human-Computer Interaction – INTERACT 2019 - 17th IFIP TC 13 International Conference, Proceedings*. Lecture Notes in Computer Science, vol. 11749, Springer Verlag, pp. 34-52, IFIP TC13 International Conference on Human-Computer Interaction, Paphos, Cyprus, 2/09/19. [https://doi.org/10.1007/978-3-030-29390-1\\_3](https://doi.org/10.1007/978-3-030-29390-1_3)

Pascual Campo, P, Lampu, V, Meirhaeghe, A, Boutellier, J, Anttila, L & Valkama, M 2019, 'Digital Predistortion for 5G Small Cell: GPU Implementation and RF Measurements', *Journal of Signal Processing Systems*.  
<https://doi.org/10.1007/s11265-019-01502-4>

Kuusisto, A & Reiter, F 2019, 'Emptiness problems for distributed automata', *Information and Computation*.  
<https://doi.org/10.1016/j.ic.2019.104503>

Kovalchukov, R, Moltchanov, D, Pyattaev, A & Ometov, A 2019, Evaluating multi-connectivity in 5G NR systems with mixture of unicast and multicast traffic. in M Di Felice, E Natalizio, R Bruno & A Kassler (eds), *Wired/Wireless Internet Communications - 17th IFIP WG 6.2 International Conference, WWIC 2019, Proceedings*. Lecture Notes in Computer Science, vol. 11618, Springer Verlag, pp. 118-128, IFIP WG 6.2 International Conference on Wired/Wireless Internet Communications, Bologna, Italy, 17/06/19. [https://doi.org/10.1007/978-3-030-30523-9\\_10](https://doi.org/10.1007/978-3-030-30523-9_10)

Kiili, K, Koskinen, A, Lindstedt, A & Ninaus, M 2019, Extending a digital fraction game piece by piece with physical manipulatives. in H Söbke, M Gentile & M Allegra (eds), *Games and Learning Alliance - 7th International Conference, GALA 2018, Proceedings*. Lecture Notes in Computer Science, vol. 11385, Springer Verlag, pp. 157-166, International Conference on Games and Learning Alliance, Palermo, Italy, 5/12/18. [https://doi.org/10.1007/978-3-030-11548-7\\_15](https://doi.org/10.1007/978-3-030-11548-7_15)

Wang, T & Wang, H 2019, Graph-boosted attentive network for semantic body parsing. in IV Tetko, P Karpov, F Theis & V Kurková (eds), *Artificial Neural Networks and Machine Learning – ICANN 2019: Image Processing - 28th International Conference on Artificial Neural Networks, 2019, Proceedings*. Lecture Notes in Computer Science, vol. 11729, Springer Verlag, pp. 267-280, International Conference on Artificial Neural Networks, Munich, Germany, 17/09/19.  
[https://doi.org/10.1007/978-3-030-30508-6\\_22](https://doi.org/10.1007/978-3-030-30508-6_22)

Dang, D & Pekkola, S 2019, 'Institutional Perspectives on the Process of Enterprise Architecture Adoption', *Information Systems Frontiers*. <https://doi.org/10.1007/s10796-019-09944-8>

Pyattaev, A & Gerasimenko, M 2019, Large-Scale Centralized Scheduling of Short-Range Wireless Links. in VM Vishnevskiy, DV Kozyrev, KE Samouylov & DV Kozyrev (eds), *Distributed Computer and Communication Networks - 22nd International Conference, DCCN 2019, Revised Selected Papers*. Lecture Notes in Computer Science, vol. 11965, Springer, pp. 607-615, International Conference on Distributed and Computer and Communication Networks, Moscow, Russian Federation, 23/09/19. [https://doi.org/10.1007/978-3-030-36614-8\\_46](https://doi.org/10.1007/978-3-030-36614-8_46)

Tripathy, S, Kannala, J & Rahtu, E 2019, Learning Image-to-Image Translation Using Paired and Unpaired Training Samples. in CV Jawahar, K Schindler, G Mori & H Li (eds), *Computer Vision - ACCV 2018 - 14th Asian Conference on Computer Vision, Revised Selected Papers*. Lecture Notes in Computer Science, vol. 11362, Springer Verlag, pp. 51-66, Asian Conference on Computer Vision, Perth, Australia, 2/12/18. [https://doi.org/10.1007/978-3-030-20890-5\\_4](https://doi.org/10.1007/978-3-030-20890-5_4)

Greipl, S, Moeller, K, Kiili, K & Ninaus, M 2019, Lifelong learning with a digital math game: Performance and basic experience differences across age. in A Liapis, GN Yannakakis, M Gentile & M Ninaus (eds), *Games and Learning Alliance- 8th International Conference, GALA 2019, Proceedings*. Lecture Notes in Computer Science, vol. 11899, Springer, pp. 301-311, International Conference on Games and Learning Alliance, Athens, Greece, 27/11/19.  
[https://doi.org/10.1007/978-3-030-34350-7\\_29](https://doi.org/10.1007/978-3-030-34350-7_29)

Chukhno, N, Chukhno, O, Shorgin, S, Samouylov, K, Galinina, O & Gaidamaka, Y 2019, Maximizing Achievable Data Rate in Unlicensed mmWave Networks with Mobile Clients. in O Galinina, S Andreev, Y Koucheryavy & S Balandin (eds), *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 19th International Conference, NEW2AN 2019, and 12th Conference, ruSMART 2019, Proceedings*. Lecture Notes in Computer Science, vol. 11660, Springer Verlag, pp. 282-294, International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems, St. Petersburg, Russian Federation, 26/08/19. [https://doi.org/10.1007/978-3-030-30859-9\\_24](https://doi.org/10.1007/978-3-030-30859-9_24)

Michalas, A, Bakas, A, Dang, HV & Zalitko, A 2019, MicroSCOPE: Enabling access control in searchable encryption with the use of attribute-based encryption and SGX. in A Askarov, RR Hansen & W Rafnsson (eds), *Secure IT Systems - 24th Nordic Conference, NordSec 2019, Proceedings*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 11875 LNCS, Springer, pp. 254-270, Nordic Conference on Secure IT Systems, Aalborg, Denmark, 18/11/19. [https://doi.org/10.1007/978-3-030-35055-0\\_16](https://doi.org/10.1007/978-3-030-35055-0_16)

Gupta, P & Rahtu, E 2019, MLAttack: Fooling Semantic Segmentation Networks by Multi-layer Attacks. in GA Fink, S Frintrop & X Jiang (eds), *Pattern Recognition - 41st DAGM German Conference, DAGM GCPR 2019, Proceedings*. Lecture Notes in Computer Science, vol. 11824 LNCS, Springer, pp. 401-413, DAGM German Conference on Pattern Recognition, Dortmund, Germany, 10/09/19. [https://doi.org/10.1007/978-3-030-33676-9\\_28](https://doi.org/10.1007/978-3-030-33676-9_28)

Pirmagomedov, R, Ahmed, AA & Glushakov, R 2019, Multi-level Architecture for P2P Services in Mobile Networks. in O Galinina, S Andreev, Y Koucheryavy & S Balandin (eds), *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 19th International Conference, NEW2AN 2019, and 12th Conference, ruSMART 2019, Proceedings*. Lecture Notes in Computer Science, vol. 11660, Springer Verlag, pp. 415-423, International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems, St. Petersburg, Russian Federation, 26/08/19. [https://doi.org/10.1007/978-3-030-30859-9\\_35](https://doi.org/10.1007/978-3-030-30859-9_35)

Ponomarenko, M & Egiazarian, K 2019, Near Lossless JPEG Compression Based on Masking Effect of Non-predictable Energy of Image Regions. in M Felsberg, P-E Forssén, J Unger & I-M Sintorn (eds), *Image Analysis - 21st Scandinavian Conference, SCIA 2019, Proceedings*. Lecture Notes in Computer Science, vol. 11482, Springer Verlag, pp. 173-183, Scandinavian Conference on Image Analysis, Norrköping, Sweden, 11/06/19. [https://doi.org/10.1007/978-3-030-20205-7\\_15](https://doi.org/10.1007/978-3-030-20205-7_15)

Wang, T & Wang, H 2019, Non-parametric contextual relationship learning for semantic video object segmentation. in R Vera-Rodriguez, J Fierrez & A Morales (eds), *Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications - 23rd Iberoamerican Congress, CIARP 2018, Proceedings*. Lecture Notes in Computer Science, vol. 11401, Springer Verlag, pp. 325-333, Iberoamerican Congress on Pattern Recognition, Madrid, Spain, 19/11/18. [https://doi.org/10.1007/978-3-030-13469-3\\_38](https://doi.org/10.1007/978-3-030-13469-3_38)

Mikkonen, T, Pautasso, C, Systä, K & Taivalsaari, A 2019, On the web platform cornucopia. in M Bakaev, I-Y Ko & F Frasinca (eds), *Web Engineering - 19th International Conference, ICWE 2019, Proceedings*. Lecture Notes in Computer Science, vol. 11496, Springer Verlag, pp. 347-355, International Conference on Web Engineering, Daejeon, Korea, Republic of, 11/06/19. [https://doi.org/10.1007/978-3-030-19274-7\\_25](https://doi.org/10.1007/978-3-030-19274-7_25)

Rauhämäki, J 2019, Patterns for functional safety system development. in *Transactions on Pattern Languages of Programming IV*. Lecture Notes in Computer Science, vol. 10600, Springer Verlag, pp. 100-138. [https://doi.org/10.1007/978-3-030-14291-9\\_4](https://doi.org/10.1007/978-3-030-14291-9_4)

Alho, P & Rauhämäki, J 2019, Patterns for light-weight fault tolerance and decoupled design in distributed control systems . in *Transactions on Pattern Languages of Programming IV*. Lecture Notes in Computer Science, vol. 10600, Springer Verlag, pp. 1-21. [https://doi.org/10.1007/978-3-030-14291-9\\_1](https://doi.org/10.1007/978-3-030-14291-9_1)

Pirmagomedov, R, Moltchanov, D, Ustinov, V, Saqib, MN & Andreev, S 2019, Performance of mmwave-based mesh networks in indoor environments with dynamic blockage. in M Di Felice, E Natalizio, R Bruno & A Kassler (eds), *Wired/Wireless Internet Communications - 17th IFIP WG 6.2 International Conference, WWIC 2019, Proceedings*. Lecture Notes in Computer Science, vol. 11618, Springer Verlag, pp. 129-140, IFIP WG 6.2 International Conference on Wired/Wireless Internet Communications, Bologna, Italy, 17/06/19. [https://doi.org/10.1007/978-3-030-30523-9\\_11](https://doi.org/10.1007/978-3-030-30523-9_11)

Nguyen-Ha, P, Huynh, L, Rahtu, E & Heikkilä, J 2019, Predicting Novel Views Using Generative Adversarial Query Network. in M Felsberg, P-E Forssén, J Unger & I-M Sintorn (eds), *Image Analysis - 21st Scandinavian Conference, SCIA 2019, Proceedings*. Lecture Notes in Computer Science, vol. 11482, Springer Verlag, pp. 16-27, Scandinavian Conference on Image Analysis, Norrköping, Sweden, 11/06/19. [https://doi.org/10.1007/978-3-030-20205-7\\_2](https://doi.org/10.1007/978-3-030-20205-7_2)

Ponomarenko-Timofeev, A, Ometov, A & Galinina, O 2019, Ray-Based Modeling of Unlicensed-Band mmWave Propagation Inside a City Bus. in O Galinina, S Andreev, Y Koucheryavy & S Balandin (eds), *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 19th International Conference, NEW2AN 2019, and 12th Conference, ruSMART 2019, Proceedings*. Lecture Notes in Computer Science, vol. 11660, Springer Verlag, pp. 269-281, International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems, St. Petersburg, Russian Federation, 26/08/19. [https://doi.org/10.1007/978-3-030-30859-9\\_23](https://doi.org/10.1007/978-3-030-30859-9_23)

- Feier, C, Kuusisto, A & Lutz, C 2019, 'Rewritability in monadic disjunctive Datalog, Mmsnp, and expressive description logics', *Logical Methods in Computer Science*, vol. 15, no. 2, pp. 15:1-15:46. [https://doi.org/10.23638/LMCS-15\(2:15\)2019](https://doi.org/10.23638/LMCS-15(2:15)2019)
- Wang, T, Fan, L & Wang, H 2019, Simultaneously Learning Architectures and Features of Deep Neural Networks. in IV Tetko, P Karpov, F Theis & V Kurková (eds), *Artificial Neural Networks and Machine Learning – ICANN 2019: Deep Learning - 28th International Conference on Artificial Neural Networks, Proceedings*. Lecture Notes in Computer Science, vol. 11728, Springer Verlag, pp. 275-287, International Conference on Artificial Neural Networks, Munich, Germany, 17/09/19. [https://doi.org/10.1007/978-3-030-30484-3\\_23](https://doi.org/10.1007/978-3-030-30484-3_23)
- Kiili, K & Tuomi, P 2019, Teaching educational game design: Expanding the game design mindset with instructional aspects. in A Liapis, GN Yannakakis, M Gentile & M Ninaus (eds), *Games and Learning Alliance- 8th International Conference, GALA 2019, Proceedings*. Lecture Notes in Computer Science , vol. 11899, Springer, pp. 103-113, International Conference on Games and Learning Alliance, Athens, Greece, 27/11/19. [https://doi.org/10.1007/978-3-030-34350-7\\_11](https://doi.org/10.1007/978-3-030-34350-7_11)
- Gridin, I, Pereida García, C, Tuveri, N & Brumley, BB 2019, Triggerflow: Regression Testing by Advanced Execution Path Inspection. in C Maurice, G Giacinto, R Perdisci, M Almgren & R Perdisci (eds), *Detection of Intrusions and Malware, and Vulnerability Assessment - 16th International Conference, DIMVA 2019, Proceedings*. Lecture Notes in Computer Science, vol. 11543, Springer Verlag, pp. 330-350, International Conference on Detection of Intrusions and Malware, and Vulnerability Assessment, Gothenburg, Sweden, 19/06/19. [https://doi.org/10.1007/978-3-030-22038-9\\_16](https://doi.org/10.1007/978-3-030-22038-9_16)
- Pietilä, I, Varsaluoma, J & Väänänen, K 2019, Understanding the digital and non-digital participation by the gaming youth. in D Lamas, F Loizides, L Nacke, H Petrie, M Winckler & P Zaphiris (eds), *Human-Computer Interaction – INTERACT 2019 - 17th IFIP TC 13 International Conference, Proceedings*. Lecture Notes in Computer Science, vol. 11747, Springer Verlag, pp. 453-471, IFIP TC13 International Conference on Human-Computer Interaction, Paphos, Cyprus, 2/09/19. [https://doi.org/10.1007/978-3-030-29384-0\\_28](https://doi.org/10.1007/978-3-030-29384-0_28)
- Chaudhary, S, Schafeitel-Tähtinen, T, Helenius, M & Berki, E 2019, 'Usability, security and trust in password managers: A quest for user-centric properties and features', *Computer Science Review*, vol. 33, pp. 69-90. <https://doi.org/10.1016/j.cosrev.2019.03.002>
- Hautala, I, Boutellier, J, Nyländén, T & Silvén, O 2018, 'Toward Efficient Execution of RVC-CAL Dataflow Programs on Multicore Platforms', *Journal of Signal Processing Systems*, vol. 90, no. 11, pp. 1507-1517. <https://doi.org/10.1007/s11265-018-1339-x>
- Dehmer, M, Chen, Z, Emmert-Streib, F, Shi, Y & Tripathi, S 2018, 'Graph measures with high discrimination power revisited: A random polynomial approach', *Information Sciences*, vol. 467, pp. 407-414. <https://doi.org/10.1016/j.ins.2018.07.072>
- Koivisto, M, Laakkonen, P & Lauri, J 2018, 'NP-completeness results for partitioning a graph into total dominating sets', *Theoretical Computer Science*. <https://doi.org/10.1016/j.tcs.2018.04.006>
- Galinina, O, Andreev, S, Balandin, S & Koucheryavy, Y 2018, *18th International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems, NEW2AN 2018 and 11th Conference on Internet of Things and Smart Spaces, ruSMART 2018*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 11118 LNCS, Springer Verlag. <https://doi.org/10.1007/978-3-030-01168-0>
- Pyattaev, A, Solomitchii, D & Ometov, A 2018, 3D folded loop UAV antenna design. in *Wired/Wireless Internet Communications - 16th IFIP WG 6.2 International Conference, WWIC 2018, Proceedings*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 10866 LNCS, Springer Verlag, pp. 269-281, IFIP International Conference on Wired/Wireless Internet Communications, Boston, United States, 18/06/18. [https://doi.org/10.1007/978-3-030-02931-9\\_22](https://doi.org/10.1007/978-3-030-02931-9_22)
- Sanfilippo, G, Galinina, O, Andreev, S, Pizzi, S & Araniti, G 2018, A Concise Review of 5G New Radio Capabilities for Directional Access at mmWave Frequencies. in *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 18th International Conference, NEW2AN 2018, and 11th Conference, ruSMART 2018, Proceedings*. Lecture

Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 11118 LNCS, Springer Verlag, pp. 340-354, International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems Conference on Internet of Things and Smart Spaces, 27/08/18. [https://doi.org/10.1007/978-3-030-01168-0\\_32](https://doi.org/10.1007/978-3-030-01168-0_32)

Cortés, S, Solin, A, Rahtu, E & Kannala, J 2018, ADVIO: An authentic dataset for visual-inertial odometry. in *Computer Vision – ECCV 2018 - 15th European Conference, 2018, Proceedings*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 11214 LNCS, Springer Verlag, pp. 425-440, European Conference on Computer Vision, Munich, Germany, 8/09/18. [https://doi.org/10.1007/978-3-030-01249-6\\_26](https://doi.org/10.1007/978-3-030-01249-6_26)

Stepanov, N, Matveev, N, Galinina, O & Turlikov, A 2018, A Lower Bound on the Average Identification Time in a Passive RFID System. in *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 18th International Conference, NEW2AN 2018, and 11th Conference, ruSMART 2018, Proceedings*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 11118 LNCS, Springer Verlag, pp. 524-534, International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems Conference on Internet of Things and Smart Spaces, 27/08/18. [https://doi.org/10.1007/978-3-030-01168-0\\_47](https://doi.org/10.1007/978-3-030-01168-0_47)

Astola, J, Astola, P, Stanković, R & Tabus, I 2018, 'An algebraic approach to reducing the number of variables of incompletely defined discrete functions', *Journal of Multiple-Valued Logic and Soft Computing*, vol. 31, no. 3, pp. 239-253.

Markova, E, Moltchanov, D, Sinitsyna, A, Ivanova, D, Filipova, V, Gudkova, I & Samouylov, K 2018, Analytical Models for Schedule-Based License Assisted Access (LAA) LTE Systems. in *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 18th International Conference, NEW2AN 2018, and 11th Conference, ruSMART 2018, Proceedings*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 11118 LNCS, Springer Verlag, pp. 210-223, International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems Conference on Internet of Things and Smart Spaces, 27/08/18. [https://doi.org/10.1007/978-3-030-01168-0\\_20](https://doi.org/10.1007/978-3-030-01168-0_20)

Ponomarenko-Timofeev, A, Semkin, V, Masek, P & Galinina, O 2018, Characterizing mmWave Radio Propagation at 60 GHz in a Conference Room Scenario. in *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 18th International Conference, NEW2AN 2018, and 11th Conference, ruSMART 2018, Proceedings*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 11118 LNCS, Springer Verlag, pp. 381-393, International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems Conference on Internet of Things and Smart Spaces, 27/08/18. [https://doi.org/10.1007/978-3-030-01168-0\\_35](https://doi.org/10.1007/978-3-030-01168-0_35)

Keranen, M & Lauri, J 2018, 'Computing minimum rainbow and strong rainbow colorings of block graphs', *Discrete Mathematics and Theoretical Computer Science*, vol. 20, no. 1, 22. <https://doi.org/10.23638/DMTCS-20-1-22>

Li, Y, Yu, L, Lin, C, Zhao, Y & Gabbouj, M 2018, Convolutional neural network based inter-frame enhancement for 360-degree video streaming. in *Advances in Multimedia Information Processing – PCM 2018 - 19th Pacific-Rim Conference on Multimedia, 2018*. Lecture Notes in Computer Science, vol. 11165, Springer, pp. 57-66, Pacific-Rim Conference on Multimedia, Hefei, China, 21/09/18. [https://doi.org/10.1007/978-3-030-00767-6\\_6](https://doi.org/10.1007/978-3-030-00767-6_6)

Pautasso, C, Sánchez-Figueroa, F, Systä, K & Rodríguez, JMM (eds) 2018, *Current Trends in Web Engineering: ICWE 2018 International Workshops, MATWEP, EnWot, KD-WEB, WEOD, TourismKG, Cáceres, Spain, June 5, 2018, Revised Selected Papers*. Lecture Notes in Computer Science, vol. 11153, Springer.

Stankovic, RS, Astola, J & Moraga, C 2018, Gibbs Dyadic Differentiation on Groups - Evolution of the Concept. in *Computer Aided Systems Theory – EUROCAST 2017 - 16th International Conference, Revised Selected Papers*. Lecture Notes in Computer Science, vol. 10672, Springer Verlag, pp. 229-237, INTERNATIONAL CONFERENCE ON COMPUTER AIDED SYSTEMS THEORY, 1/01/00. [https://doi.org/10.1007/978-3-319-74727-9\\_27](https://doi.org/10.1007/978-3-319-74727-9_27)

Kannisto, P, Hästbacka, D & Marttinen, A 2018, 'Information Exchange Architecture for Collaborative Industrial Ecosystem', *Information Systems Frontiers*, pp. 1-16. <https://doi.org/10.1007/s10796-018-9877-0>

Luoto, A & Systä, K 2018, IoT Application Deployment Using Request-Response Pattern with MQTT. in *Current Trends in Web Engineering: ICWE 2017 International Workshops, Liquid Multi-Device Software and EnWoT, practi-O-web, NLPIT, SoWeMine, Rome, Italy, June 5-8, 2017, Revised Selected Papers*. vol. 10544, Lecture Notes in Computer Science, vol. 10544, Springer Verlag, pp. 48-60, International Conference on Web Engineering, 1/01/00. [https://doi.org/10.1007/978-3-319-74433-9\\_4](https://doi.org/10.1007/978-3-319-74433-9_4)

Samuylov, AK, Ivchenko, AY, Orlov, YN, Moltchanov, DA, Bobrikova, EV, Gaidamaka, YV & Shorgin, VS 2018, Kinetic Approach to Elasticity Analysis of D2D Links Quality Indicators Under Non-stationary Random Walk Mobility Model. in *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 18th International Conference, NEW2AN 2018, and 11th Conference, ruSMART 2018, Proceedings*. Lecture Notes in Computer Science, vol. 11118, Springer, pp. 224-235, International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems Conference on Internet of Things and Smart Spaces, 27/08/18. [https://doi.org/10.1007/978-3-030-01168-0\\_21](https://doi.org/10.1007/978-3-030-01168-0_21)

Thangavel, S & Systä, K 2018, Liquid Transfer of User Identity. in *Current Trends in Web Engineering - ICWE 2017 International Workshops, Liquid Multi-Device Software and EnWoT, practi-O-web, NLPIT, SoWeMine, Revised Selected Papers*. Lecture Notes in Computer Science, vol. 10544, Springer Verlag, pp. 92-107, International Conference on Web Engineering, 1/01/00. [https://doi.org/10.1007/978-3-319-74433-9\\_8](https://doi.org/10.1007/978-3-319-74433-9_8)

Aldaya, AC, Brumley, BB, Sarmiento, AJC & Sánchez-Solano, S 2018, 'Memory Tampering Attack on Binary GCD Based Inversion Algorithms', *International Journal of Parallel Programming*, pp. 1-20. <https://doi.org/10.1007/s10766-018-0610-x>

Wu, J, Blattner, T, Keyrouz, W & Bhattacharyya, SS 2018, 'Model-Based Dynamic Scheduling for Multicore Signal Processing', *Journal of Signal Processing Systems*, pp. 1-14. <https://doi.org/10.1007/s11265-018-1412-5>

Bhattacharyya, SS & Lilius, J 2018, Model-Based Representations for Dataflow Schedules. in *Principles of Modeling*. Lecture Notes in Computer Science, vol. 10760, Springer Verlag, pp. 88-105. [https://doi.org/10.1007/978-3-319-95246-8\\_6](https://doi.org/10.1007/978-3-319-95246-8_6)

Oliveira, SMD, Bahrudeen, MNM, Startceva, S, Kandavalli, V & Ribeiro, AS 2018, Modeling and Engineering Promoters with Pre-defined RNA Production Dynamics in Escherichia Coli. in *Computational Methods in Systems Biology - 16th International Conference, CMSB 2018, Proceedings*. Lecture Notes in Bioinformatics, vol. 11095 LNBI, Springer Verlag, pp. 3-20, International Conference on Computational Methods in Systems Biology, Brno, Czech Republic, 12/09/18. [https://doi.org/10.1007/978-3-319-99429-1\\_1](https://doi.org/10.1007/978-3-319-99429-1_1)

Schoeffmann, K, Chalidabhongse, TH, Ngo, CW, Aramvith, S, O'Connor, NE, Ho, YS, Gabbouj, M & Elgammal, A (eds) 2018, *MultiMedia Modeling: 24th International Conference, MMM 2018, Bangkok, Thailand, February 5-7, 2018, Proceedings, Part I*. Lecture Notes in Computer Science, vol. 10704, Springer. <https://doi.org/10.1007/978-3-319-73603-7>

Aramvith, S, Ho, YS, O'Connor, NE, Chalidabhongse, T, Schoeffmann, K, Ngo, CW, Gabbouj, M & Elgammal, A 2018, *MultiMedia Modeling: 24th International Conference, MMM 2018, Bangkok, Thailand, February 5-7, 2018, Proceedings, Part II*. Lecture Notes in Computer Science, vol. 10705, Springer. <https://doi.org/10.1007/978-3-319-73600-6>

Dehmer, M, Chen, Z, Mowshowitz, A, Jodlbauer, H, Emmert-Streib, F, Shi, Y, Tripathi, S & Xia, C 2018, 'On the degeneracy of the Randić entropy and related graph measures', *Information Sciences*. <https://doi.org/10.1016/j.ins.2018.11.011>

Chkirkbene, Z, Hamila, R, Fofou, S, Kiranyaz, S & Gabbouj, M 2018, Optimization on ports activation towards energy efficient data center networks. in *Ubiquitous Networking - 4th International Symposium, UNet 2018, Revised Selected Papers*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 11277 LNCS, Springer Verlag, pp. 155-166, International Symposium on Ubiquitous Networking, Hammamet, Tunisia, 2/05/18. [https://doi.org/10.1007/978-3-030-02849-7\\_14](https://doi.org/10.1007/978-3-030-02849-7_14)

D'Agostino, AM, Ometov, A, Pyattaev, A, Andreev, S & Araniti, G 2018, Performance Limitations of Parsing Libraries: State-of-the-Art and Future Perspectives. in *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 18th International Conference, NEW2AN 2018, and 11th Conference, ruSMART 2018, Proceedings*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in

Bioinformatics), vol. 11118 LNCS, Springer Verlag, pp. 405-418, International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems Conference on Internet of Things and Smart Spaces, 27/08/18. [https://doi.org/10.1007/978-3-030-01168-0\\_37](https://doi.org/10.1007/978-3-030-01168-0_37)

Nurmi, J & Niemelä, MS 2018, PESTEL Analysis of Hacktivism Campaign Motivations. in *Secure IT Systems - 23rd Nordic Conference, NordSec 2018*. Lecture Notes in Computer Science, vol. 11252, Springer Verlag, pp. 323-335, Nordic Conference on Secure IT Systems, Oslo, Norway, 28/11/18. [https://doi.org/10.1007/978-3-030-03638-6\\_20](https://doi.org/10.1007/978-3-030-03638-6_20)

Galinina, O, Balandin, S, Andreev, S & Koucheryavy, Y 2018, 'Preface', *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, vol. 11118 LNCS, pp. v-vi.

Astola, H, Stanković, R & Astola, J 2018, 'Reduction of variables of index generation functions using linear and quadratic transformations', *Journal of Multiple-Valued Logic and Soft Computing*, vol. 31, no. 3, pp. 255-270.

Wahyudi, A, Pekkola, S & Janssen, M 2018, Representational quality challenges of big data: insights from comparative case studies. in *Challenges and Opportunities in the Digital Era - 17th IFIP WG 6.11 Conference on e-Business, e-Services, and e-Society, I3E 2018, Proceedings*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 11195 LNCS, Springer Verlag, pp. 520-538, Conference on e-Business, e-Services, and e-Society, Kuwait City, Kuwait, 30/10/18. [https://doi.org/10.1007/978-3-030-02131-3\\_46](https://doi.org/10.1007/978-3-030-02131-3_46)

Curcio, IDD, Naik, D, Toukoma, H & Zare, A 2018, Subjective quality of spatially asymmetric omnidirectional stereoscopic video for streaming adaptation. in *Smart Multimedia - 1st International Conference, ICSM 2018, Revised Selected Papers*. Lecture Notes in Computer Science, vol. 11010, Springer, pp. 417-428, International Conference on Smart Multimedia, Toulon, France, 24/08/18. [https://doi.org/10.1007/978-3-030-04375-9\\_36](https://doi.org/10.1007/978-3-030-04375-9_36)

Dehmer, M, Emmert-Streib, F & Shi, Y 2017, 'Quantitative Graph Theory: A new branch of graph theory and network science', *Information Sciences*, vol. 418-419, pp. 575-580. <https://doi.org/10.1016/j.ins.2017.08.009>

Dehmer, M, Emmert-Streib, F, Hu, B, Shi, Y, Stefu, M & Tripathi, S 2017, 'Highly unique network descriptors based on the roots of the permanent polynomial', *Information Sciences*, vol. 408, pp. 176-181. <https://doi.org/10.1016/j.ins.2017.04.041>

Ellervee, P & Nurmi, J 2017, 'Guest Editorial: Implementation Issues in System-on-Chip', *Journal of Signal Processing Systems*, vol. 87, no. 3, pp. 269-270. <https://doi.org/10.1007/s11265-017-1242-x>

Hussain, W, Hoffmann, H, Ahonen, T & Nurmi, J 2017, 'Power Mitigation by Performance Equalization in a Heterogeneous Reconfigurable Multicore Architecture', *Journal of Signal Processing Systems*, vol. 87, no. 3, pp. 287-297. <https://doi.org/10.1007/s11265-016-1142-5>

Homayouni, M, Aflaki, P, Hannuksela, MM & Gabbouj, M 2017, 'Row-interleaved sampling for depth-enhanced 3d video coding for polarized displays', *ACM TRANSACTIONS ON APPLIED PERCEPTION*, vol. 14, no. 3, 15. <https://doi.org/10.1145/3047409>

Hansen, H 2017, Abstractions for transition systems with applications to stubborn sets. in T Gibson-Robinson, P Hopcroft & R Lazić (eds), *Concurrency, Security, and Puzzles: Essays Dedicated to Andrew William Roscoe on the Occasion of His 60th Birthday*. Lecture Notes in Computer Science, vol. 10160, Springer International Publishing, pp. 104-123. [https://doi.org/10.1007/978-3-319-51046-0\\_6](https://doi.org/10.1007/978-3-319-51046-0_6)

Valmari, A 2017, More stubborn set methods for process algebras. in T Gibson-Robinson, P Hopcroft & R Lazić (eds), *Concurrency, Security, and Puzzles: Essays Dedicated to Andrew William Roscoe on the Occasion of His 60th Birthday*. Lecture Notes in Computer Science, vol. 10160, Springer International Publishing, pp. 246-271. [https://doi.org/10.1007/978-3-319-51046-0\\_13](https://doi.org/10.1007/978-3-319-51046-0_13)

Hildén, E, Ojala, J & Väänänen, K 2017, A co-design study of digital service ideas in the bus context. in *Human-Computer Interaction - INTERACT 2017 - 16th IFIP TC 13 International Conference, Proceedings*. Lecture Notes in Computer Science, vol. 10513, Springer Verlag, pp. 295-312, IFIP TC13 CONFERENCE ON HUMAN-COMPUTER INTERACTION,



1/01/00. [https://doi.org/10.1007/978-3-319-67744-6\\_20](https://doi.org/10.1007/978-3-319-67744-6_20)

Blattner, T, Keyrouz, W, Bhattacharyya, SS, Halem, M & Brady, M 2017, 'A Hybrid Task Graph Scheduler for High Performance Image Processing Workflows', *Journal of Signal Processing Systems*, vol. 89, no. 3, pp. 457–467. <https://doi.org/10.1007/s11265-017-1262-6>

Caballero, D, Araya, R, Kronholm, H, Viiri, J, Mansikkaniemi, A, Lehesvuori, S, Virtanen, T & Kurimo, M 2017, ASR in classroom today: Automatic visualization of conceptual network in science classrooms. in *Data Driven Approaches in Digital Education - 12th European Conference on Technology Enhanced Learning, EC-TEL 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10474, Springer Verlag, pp. 541-544, EUROPEAN CONFERENCE ON TECHNOLOGY ENHANCED LEARNING, 1/01/00. [https://doi.org/10.1007/978-3-319-66610-5\\_58](https://doi.org/10.1007/978-3-319-66610-5_58)

Devos, M & Masek, P 2017, Battery monitoring within industry 4.0 landscape: Solution as a service (SaaS) for industrial power unit systems. in *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 17th International Conference, NEW2AN 2017, 10th Conference, ruSMART 2017, 3rd Workshop NsCC 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10531, Springer Verlag, pp. 40-52, International Conference on Next Generation Wired/Wireless Networking, 1/01/00. [https://doi.org/10.1007/978-3-319-67380-6\\_4](https://doi.org/10.1007/978-3-319-67380-6_4)

Ivchenko, A, Orlov, Y, Samouylov, A, Molchanov, D & Gaidamaka, Y 2017, Characterizing time-dependent variance and coefficient of variation of SIR in D2D connectivity. in *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 17th International Conference, NEW2AN 2017, 10th Conference, ruSMART 2017, 3rd Workshop NsCC 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10531, Springer Verlag, pp. 526-535, International Conference on Next Generation Wired/Wireless Networking, 1/01/00. [https://doi.org/10.1007/978-3-319-67380-6\\_49](https://doi.org/10.1007/978-3-319-67380-6_49)

Barford, L, Bhattacharyya, SS & Liu, Y 2017, 'Data Flow Algorithms for Processors with Vector Extensions: Handling Actors With Internal State', *Journal of Signal Processing Systems*, vol. 87, no. 1, pp. 21-31. <https://doi.org/10.1007/s11265-015-1045-x>

Boutellier, J & Nyländén, T 2017, 'Design Flow for GPU and Multicore Execution of Dynamic Dataflow Programs', *Journal of Signal Processing Systems*, vol. 89, no. 3, pp. 469–478. <https://doi.org/10.1007/s11265-017-1260-8>

Thankachan, B, Sharma, S, Turunen, M, Linna, J, Vääätäjä, H, Kortekaas, R & Gross, T 2017, ICT based interventions for anganwadi healthcare workers in Mumbai. in *Human-Computer Interaction - INTERACT 2017 - 16th IFIP TC 13 International Conference, Proceedings*. Lecture Notes in Computer Science, vol. 10516, Springer Verlag, pp. 485-487, IFIP TC13 CONFERENCE ON HUMAN-COMPUTER INTERACTION, 1/01/00. [https://doi.org/10.1007/978-3-319-68059-0\\_56](https://doi.org/10.1007/978-3-319-68059-0_56)

Kim, SC & Bhattacharyya, SS 2017, 'Implementation of a Multirate Resampler for Multi-carrier Systems on GPUs', *Journal of Signal Processing Systems*, vol. 89, no. 3, pp. 445–455. <https://doi.org/10.1007/s11265-017-1239-5>

Galinina, O, Andreev, S, Balandin, S & Koucheryavy, Y (eds) 2017, *Internet of Things, Smart Spaces, and Next Generation Networks and Systems: 17th International Conference, NEW2AN 2017, 10th Conference, ruSMART 2017, Third Workshop NsCC 2017, St. Petersburg, Russia, August 28–30, 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10531, Springer Verlag. <https://doi.org/10.1007/978-3-319-67380-6>

Abdollahzadeh, A, Acar, E, Peltonen, S & Ruotsalainen, U 2017, Local adaptive wiener filtering for class averaging in single particle reconstruction. in *Image Analysis - 20th Scandinavian Conference, SCIA 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10270, Springer Verlag, pp. 233-244, Scandinavian Conference on Image Analysis, 1/01/00. [https://doi.org/10.1007/978-3-319-59129-2\\_20](https://doi.org/10.1007/978-3-319-59129-2_20)

Yuan, J, Ma, W, Zhu, P & Egiazarian, K 2017, Multi-task Deep Face Recognition. in *Biometric Recognition - 12th Chinese Conference, CCBR 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10568, Springer Verlag, pp. 183-190, Chinese Conference on Biometric Recognition, 1/01/00. [https://doi.org/10.1007/978-3-319-69923-3\\_20](https://doi.org/10.1007/978-3-319-69923-3_20)

- Koivisto, M, Laakkonen, P & Lauri, J 2017, NP-completeness results for partitioning a graph into total dominating sets. in *Computing and Combinatorics - 23rd International Conference, COCOON 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10392, Springer Verlag, pp. 333-345, INTERNATIONAL CONFERENCE ON COMPUTING AND COMBINATORICS, 1/01/00. [https://doi.org/10.1007/978-3-319-62389-4\\_28](https://doi.org/10.1007/978-3-319-62389-4_28)
- Li, K, Ghazi, A, Tarver, C, Boutellier, J, Abdelaziz, M, Anttila, L, Juntti, M, Valkama, M & Cavallaro, JR 2017, 'Parallel Digital Predistortion Design on Mobile GPU and Embedded Multicore CPU for Mobile Transmitters', *Journal of Signal Processing Systems*, vol. 89, no. 3, pp. 417–430. <https://doi.org/10.1007/s11265-017-1233-y>
- Sharma, S, Linna, J, Thankachan, B, Turunen, M, Väättäjä, H, Kallioniemi, P, Read, JC & Sim, G 2017, Parental perspectives towards education technology in low-income urban households. in *Human-Computer Interaction - INTERACT 2017 - 16th IFIP TC 13 International Conference, Proceedings*. Lecture Notes in Computer Science, vol. 10516, Springer Verlag, pp. 501-503, IFIP TC13 CONFERENCE ON HUMAN-COMPUTER INTERACTION, 1/01/00. [https://doi.org/10.1007/978-3-319-68059-0\\_60](https://doi.org/10.1007/978-3-319-68059-0_60)
- Melekhov, I, Ylioinas, J, Kannala, J & Rahtu, E 2017, Relative camera pose estimation using convolutional neural networks. in *Advanced Concepts for Intelligent Vision Systems - 18th International Conference, ACIVS 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10617, Springer Verlag, pp. 675-687, International Conference on Advanced Concepts for Intelligent Vision Systems, 1/01/00. [https://doi.org/10.1007/978-3-319-70353-4\\_57](https://doi.org/10.1007/978-3-319-70353-4_57)
- Yuan, J, Ma, W, Zhu, P & Egiazarian, K 2017, Robust Deep Face Recognition with Label Noise. in *Neural Information Processing - 24th International Conference, ICONIP 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10635, Springer Verlag, pp. 593-602, INTERNATIONAL CONFERENCE ON NEURAL INFORMATION PROCESSING, 1/01/00. [https://doi.org/10.1007/978-3-319-70096-0\\_61](https://doi.org/10.1007/978-3-319-70096-0_61)
- Nurminen, M, Leppänen, L, Väättäjä, H & Ihantola, P 2017, Search of the emotional design effect in programming revised. in *Data Driven Approaches in Digital Education - 12th European Conference on Technology Enhanced Learning, EC-TEL 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10474, Springer Verlag, pp. 434-440, EUROPEAN CONFERENCE ON TECHNOLOGY ENHANCED LEARNING, 1/01/00. [https://doi.org/10.1007/978-3-319-66610-5\\_39](https://doi.org/10.1007/978-3-319-66610-5_39)
- Valmari, A & Hansen, H 2017, Stubborn set intuition explained. in *Transactions on Petri Nets and Other Models of Concurrency XII*. Lecture Notes in Computer Science, vol. 10470, Springer Verlag, pp. 140-165, INTERNATIONAL CONFERENCE ON APPLICATION AND THEORY OF PETRI NETS AND CONCURRENCY, 1/01/00. [https://doi.org/10.1007/978-3-662-55862-1\\_7](https://doi.org/10.1007/978-3-662-55862-1_7)
- Valmari, A 2017, Stubborn sets with frozen actions. in *Reachability Problems - 11th International Workshop, RP 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10506, Springer Verlag, pp. 160-175, INTERNATIONAL WORKSHOP ON REACHABILITY PROBLEMS, 1/01/00. [https://doi.org/10.1007/978-3-319-67089-8\\_12](https://doi.org/10.1007/978-3-319-67089-8_12)
- Kannisto, J & Harju, J 2017, The time will tell on you: Exploring information leaks in SSH public key authentication. in *Network and System Security: 11th International Conference, NSS 2017, Helsinki, Finland, August 21–23, 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10394, Springer, pp. 301-314, International Conference on Network and System Security, 1/01/00. [https://doi.org/10.1007/978-3-319-64701-2\\_22](https://doi.org/10.1007/978-3-319-64701-2_22)
- Orlov, Y, Kirina-Lilinskaya, E, Samuylov, A, Ometov, A, Moltchanov, D, Gaimamaka, Y, Andreev, S & Samouylov, K 2017, Time-dependent SIR analysis in shopping malls using fractal-based mobility models. in *Wired/Wireless Internet Communications - 15th IFIP WG 6.2 International Conference, WWIC 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10372, Springer, pp. 16-25, International Conference on Wired/Wireless Internet Communication, 1/01/00. [https://doi.org/10.1007/978-3-319-61382-6\\_2](https://doi.org/10.1007/978-3-319-61382-6_2)
- Nurmi, J & Niemelä, MS 2017, Tor de-anonymisation techniques. in *Network and System Security: 11th International Conference, NSS 2017, Helsinki, Finland, August 21–23, 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10394, Springer, pp. 657-671, International Conference on Network and System Security, 1/01/00. [https://doi.org/10.1007/978-3-319-64701-2\\_52](https://doi.org/10.1007/978-3-319-64701-2_52)

- Koucheryavy, Y, Mamatas, L, Matta, I, Ometov, A & Papadimitriou, P (eds) 2017, *Wired/Wireless Internet Communications: 15th IFIP WG 6.2 International Conference, WWIC 2017, St. Petersburg, Russia, June 21–23, 2017, Proceedings*. Lecture Notes in Computer Science, vol. 10372, Springer. <https://doi.org/10.1007/978-3-319-61382-6>
- Rauti, S, Lauren, S, Uitto, J, Hosseinzadeh, S, Ruohonen, J, Hyrynsalmi, S & Leppänen, V 2016, A survey on internal interfaces used by exploits and implications on interface diversification. in *Secure IT Systems - 21st Nordic Conference, NordSec 2016, Proceedings*. vol. 10014 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 10014 LNCS, Springer Verlag, pp. 152-168, 21st Nordic Conference on Secure IT Systems, NordSec 2016, Oulu, Finland, 2/11/16. [https://doi.org/10.1007/978-3-319-47560-8\\_10](https://doi.org/10.1007/978-3-319-47560-8_10)
- Nguyen, A, Komarov, M & Moltchanov, D 2016, Coverage and network requirements of a “Big Data” flash crowd monitoring system using users’ devices. in *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 16th International Conference, NEW2AN 2016 and 9th Conference, ruSMART 2016, Proceedings*. Lecture Notes in Computer Science, vol. 9870, Springer International Publishing AG, pp. 372-382, International Conference on Next Generation Wired/Wireless Advanced Networks and Systems, 1/01/00. [https://doi.org/10.1007/978-3-319-46301-8\\_31](https://doi.org/10.1007/978-3-319-46301-8_31)
- Zikratov, I, Maslennikov, O, Lebedev, I, Ometov, A & Andreev, S 2016, Dynamic trust management framework for robotic multi-agent systems. in *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 16th International Conference, NEW2AN 2016 and 9th Conference, ruSMART 2016, Proceedings*. vol. 9870, Lecture Notes in Computer Science, vol. 9870, Springer International Publishing AG, pp. 339-348, International Conference on Next Generation Wired/Wireless Advanced Networks and Systems, 1/01/00. [https://doi.org/10.1007/978-3-319-46301-8\\_28](https://doi.org/10.1007/978-3-319-46301-8_28)
- Sopin, E, Samouylov, K, Vikhrova, O, Kovalchukov, R, Moltchanov, D & Samuylov, A 2016, Evaluating a case of downlink uplink decoupling using queuing system with random requirements. in *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 16th International Conference, NEW2AN 2016 and 9th Conference, ruSMART 2016, Proceedings*. Lecture Notes in Computer Science, vol. 9870, Springer International Publishing, pp. 440-450, International Conference on Next Generation Wired/Wireless Advanced Networks and Systems, 1/01/00. [https://doi.org/10.1007/978-3-319-46301-8\\_37](https://doi.org/10.1007/978-3-319-46301-8_37)
- Moltchanov, D, Kluchev, A, Kustarev, P, Borunova, K & Platunov, A 2016, Intra-CPU traffic estimation and implications on networks-on-chip research. in *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 16th International Conference, NEW2AN 2016 and 9th Conference, ruSMART 2016, Proceedings*. Lecture Notes in Computer Science, vol. 9870, Springer International Publishing AG, pp. 453-464, International Conference on Next Generation Wired/Wireless Advanced Networks and Systems, 1/01/00. [https://doi.org/10.1007/978-3-319-46301-8\\_38](https://doi.org/10.1007/978-3-319-46301-8_38)
- Ometov, A, Andreev, S, Levina, A & Bezzateev, S 2016, Optimizing network-assisted WLAN systems with aggressive channel utilization. in *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 16th International Conference, NEW2AN 2016 and 9th Conference, ruSMART 2016, Proceedings*. Lecture Notes in Computer Science, vol. 9870, Springer International Publishing AG, pp. 217-229, International Conference on Next Generation Wired/Wireless Advanced Networks and Systems, 1/01/00. [https://doi.org/10.1007/978-3-319-46301-8\\_18](https://doi.org/10.1007/978-3-319-46301-8_18)
- Devillers, R, Valmari, A & Penczek, W 2016, 'Application and theory of Petri nets and other models of concurrency: Special issue of selected papers from Petri Nets 2015', *Fundamenta Informaticae*, vol. 146, no. 1, pp. v-vi. <https://doi.org/10.3233/FI-2016-1373>
- Yli-Kaakinen, J & Renfors, M 2016, 'Optimization of Flexible Filter Banks Based on Fast Convolution', *Journal of Signal Processing Systems*, vol. 85, no. 1, pp. 101-111. <https://doi.org/10.1007/s11265-015-1004-6>
- Emmert-Streib, F, Dehmer, M & Shi, Y 2016, 'Fifty years of graph matching, network alignment and network comparison', *Information Sciences*, vol. 346-347, pp. 180-197. <https://doi.org/10.1016/j.ins.2016.01.074>
- Piipponen, A & Valmari, A 2016, 'Constructing Minimal Coverability Sets', *Fundamenta Informaticae*, vol. 143, no. 3-4, pp. 393-414. <https://doi.org/10.3233/FI-2016-1319>
- Mattila, K, Puurtinen, T, Hyväluoma, J, Surmas, R, Myllys, M, Turpeinen, T, Robertsén, F, Westerholm, J & Timonen, J 2016, 'A prospect for computing in porous materials research: Very large fluid flow simulations', *Journal of Computational Science*, vol. 12, pp. 62-76. <https://doi.org/10.1016/j.jocs.2015.11.013>

Kuusinen, K 2016, Are software developers just users of development tools? Assessing developer experience of a graphical user interface designer. in *Human-Centered and Error-Resilient Systems Development - IFIP WG 13.2/13.5 Joint Working Conference 6th International Conference on Human-Centered Software Engineering, HCSE 2016 and 8th International Conference on Human Error, Safety, and System Development, HESSD 2016, Proceedings*. Lecture Notes in Computer Science, vol. 9856, Springer Verlag, pp. 215-233, International Conference on Human-Centered Software Engineering, 1/01/14. [https://doi.org/10.1007/978-3-319-44902-9\\_14](https://doi.org/10.1007/978-3-319-44902-9_14)

Salo, K, Giova, D & Mikkonen, T 2016, Backend infrastructure supporting audio augmented reality and storytelling. in *Human Interface and the Management of Information: Applications and Services: 18th International Conference, HCI International 2016 Toronto, Canada, July 17-22, 2016. Proceedings, Part II*. Lecture Notes in Computer Science, vol. 9735, Springer Verlag, pp. 325-335, International Conference on Human-Computer Interaction, Germany, 1/01/15. [https://doi.org/10.1007/978-3-319-40397-7\\_31](https://doi.org/10.1007/978-3-319-40397-7_31)

Lemmetti, J 2016, Construction of enterprise architecture in discourses within the public sector. in *Electronic Government - 15th IFIP WG 8.5 International Conference, EGOV 2016, Proceedings*. Lecture Notes in Computer Science, vol. 9820, Springer Verlag, pp. 287-298, International Conference on Electronic Government and the Information Systems Perspective, 1/01/00. [https://doi.org/10.1007/978-3-319-44421-5\\_23](https://doi.org/10.1007/978-3-319-44421-5_23)

Brous, P, Janssen, M & Vilminko-Heikkinen, R 2016, Coordinating decision-making in data management activities: A systematic review of data governance principles. in *Electronic Government - 15th IFIP WG 8.5 International Conference, EGOV 2016, Proceedings*. Lecture Notes in Computer Science, vol. 9820, Springer Verlag, pp. 115-125, IFIP electronic government conference, United Kingdom, 1/01/00. [https://doi.org/10.1007/978-3-319-44421-5\\_9](https://doi.org/10.1007/978-3-319-44421-5_9)

Yaman, SG, Sauvola, T, Riungu-Kalliosaari, L, Hokkanen, L, Kuvaja, P, Oivo, M & Männistö, T 2016, Customer involvement in continuous deployment: A systematic literature review. in *Requirements Engineering: Foundation for Software Quality: 22nd International Working Conference, REFSQ 2016, Gothenburg, Sweden, March 14-17, 2016, Proceedings*. Lecture Notes in Computer Science, vol. 9619, Springer Verlag, pp. 249-265, INTERNATIONAL WORKING CONFERENCE ON REQUIREMENTS ENGINEERING: FOUNDATION FOR SOFTWARE QUALITY, 1/01/00. [https://doi.org/10.1007/978-3-319-30282-9\\_18](https://doi.org/10.1007/978-3-319-30282-9_18)

Valmari, A & Vogler, W 2016, Fair testing and stubborn sets. in *Model Checking Software: 23rd International Symposium, SPIN 2016, Co-located with ETAPS 2016, Eindhoven, The Netherlands, April 7-8, 2016, Proceedings*. Lecture Notes in Computer Science, vol. 9641, Springer Verlag, pp. 225-243, International Workshop on Model Checking Software, 1/01/00. [https://doi.org/10.1007/978-3-319-32582-8\\_16](https://doi.org/10.1007/978-3-319-32582-8_16)

Bhattacharya, S, Fan, L, Babahajiani, P & Gabbouj, M 2016, Global scale integral volumes. in *Computer Vision - ECCV 2016 Workshops, Proceedings*. vol. 9913, Lecture Notes in Computer Science, vol. 9913, Springer International Publishing, pp. 192-204, European Conference on Computer Vision, 1/01/00. [https://doi.org/10.1007/978-3-319-46604-0\\_14](https://doi.org/10.1007/978-3-319-46604-0_14)

Voutilainen, JP, Mattila, AL, Systä, K & Mikkonen, T 2016, 'HTML5-based mobile agents for Web-of-Things', *Informatica*, vol. 40, no. 1, pp. 43-51.

Aghababaeetafreshi, M, Lehtonen, LK, Levanen, T, Valkama, M & Takala, J 2016, 'IEEE 802.11ac MIMO Transceiver Baseband Processing on a VLIW Processor', *Journal of Signal Processing Systems*. <https://doi.org/10.1007/s11265-015-1032-2>

Krivtsova, I, Lebedev, I, Sukhoparov, M, Bazhayev, N, Zikratov, I, Ometov, A, Andreev, S, Masek, P, Fujdiak, R & Hosek, J 2016, Implementing a broadcast storm attack on a mission-critical wireless sensor network. in *Wired/Wireless Internet Communications: 14th IFIP WG 6.2 International Conference, WWIC 2016, Thessaloniki, Greece, May 25-27, 2016, Proceedings*. vol. 9674, Lecture Notes in Computer Science, vol. 9674, Springer Verlag, pp. 297-308, International Conference on Wired/Wireless Internet Communication, 1/01/00. [https://doi.org/10.1007/978-3-319-33936-8\\_23](https://doi.org/10.1007/978-3-319-33936-8_23)

Chukhman, I, Jiao, Y, Salem, HB & Bhattacharyya, SS 2016, 'Instrumentation-Driven Validation of Dataflow Applications', *Journal of Signal Processing Systems*, vol. 84, no. 3, pp. 383-397. <https://doi.org/10.1007/s11265-015-1073-6>

Mäki-Lohiluoma, P, Hellsten, P & Pekkola, S 2016, IS acquisition characteristics in the public sector. in *Electronic Government - 15th IFIP WG 8.5 International Conference, EGOV 2016, Proceedings*. Lecture Notes in Computer Science, vol. 9820, Springer Verlag, pp. 164-175, IFIP electronic government conference, United Kingdom, 1/01/00. [https://doi.org/10.1007/978-3-319-44421-5\\_13](https://doi.org/10.1007/978-3-319-44421-5_13)

Salo, K, Bauters, M & Mikkonen, T 2016, Mobile soundscape mixer – ready for action. in *Mobile Web and Intelligent Information Systems - 13th International Conference, MobiWIS 2016, Proceedings*. Lecture Notes in Computer Science, vol. 9847, Springer Verlag, pp. 18-30, INTERNATIONAL CONFERENCE ON MOBILE WEB INFORMATION SYSTEMS, 1/01/00. [https://doi.org/10.1007/978-3-319-44215-0\\_2](https://doi.org/10.1007/978-3-319-44215-0_2)

Couceiro, M & Lehtonen, E 2016, 'On the arity gap of finite functions: Results and applications', *Journal of Multiple-Valued Logic and Soft Computing*, vol. 27, no. 2-3, pp. 193-207.

Peuhkurinen, A, Fedorov, A & Systä, K 2016, Operating system compositor and hardware usage to enhance graphical performance in web runtimes. in *Web Engineering: 16th International Conference, ICWE 2016, Lugano, Switzerland, June 6-9, 2016. Proceedings*. Lecture Notes in Computer Science, vol. 9671, Springer Verlag, pp. 381-388, International Conference on Web Engineering, 1/01/00. [https://doi.org/10.1007/978-3-319-38791-8\\_23](https://doi.org/10.1007/978-3-319-38791-8_23)

Oksa, P & Loula, P 2016, Private cloud deployment model in open-source mobile robots ecosystem. in *Towards Autonomous Robotic Systems: 17th Annual Conference, TAROS 2016, Sheffield, UK, June 26--July 1, 2016, Proceedings*. Lecture Notes in Computer Science, vol. 9716, Springer Verlag, pp. 239-248, Towards Autonomous Robotic Systems, 1/01/00. [https://doi.org/10.1007/978-3-319-40379-3\\_24](https://doi.org/10.1007/978-3-319-40379-3_24)

Mäenpää, H, Kojo, T, Munezero, M, Fagerholm, F, Kilamo, T, Nurminen, M & Männistö, T 2016, Supporting management of hybrid OSS communities - A stakeholder analysis approach. in *Product-Focused Software Process Improvement - 17th International Conference, PROFES 2016, Proceedings*. Lecture Notes in Computer Science, vol. 10027, Springer Verlag, pp. 102-108, International Conference on Product-Focused Software Process Improvement, 1/01/00. [https://doi.org/10.1007/978-3-319-49094-6\\_7](https://doi.org/10.1007/978-3-319-49094-6_7)

Voutilainen, J-P, Mikkonen, T & Systä, K 2016, Synchronizing application state using virtual DOM trees. in *Current Trends in Web Engineering: ICWE 2016 International Workshops DUI, TELERISE, SoWeMine, and Liquid Web, Revised Selected Papers*. Lecture Notes in Computer Science, vol. 9881, Springer Verlag, pp. 142-154, International Conference on Web Engineering, 1/01/00. [https://doi.org/10.1007/978-3-319-46963-8\\_12](https://doi.org/10.1007/978-3-319-46963-8_12)

Komarov, M & Moltchanov, D 2016, System design and analysis of UAV-assisted BLE wireless sensor systems. in *Wired/Wireless Internet Communications: 14th IFIP WG 6.2 International Conference, WWIC 2016, Thessaloniki, Greece, May 25-27, 2016, Proceedings*. Lecture Notes in Computer Science, vol. 9674, Springer Verlag, pp. 284-296, International Conference on Wired/Wireless Internet Communication, 1/01/00. [https://doi.org/10.1007/978-3-319-33936-8\\_22](https://doi.org/10.1007/978-3-319-33936-8_22)

Goncalves, N, Oliveira, SMD, Kandavalli, VK, Fonseca, JM & S. Ribeiro, A 2016, Temperature dependence of leakiness of transcription repression mechanisms of Escherichia coli. in *Computational Methods in Systems Biology - 14th International Conference, CMSB 2016*. Lecture Notes in Computer Science, vol. 9859, Springer Verlag, pp. 341-342, International Conference on Computational Methods in Systems Biology, 1/01/00.

Terho, H, Suonsyrjä, S & Systä, K 2016, The developers dilemma: Perfect product development or fast business validation? in *Product-Focused Software Process Improvement - 17th International Conference, PROFES 2016, Proceedings*. Lecture Notes in Computer Science, vol. 10027, Springer Verlag, pp. 571-579, International Conference on Product-Focused Software Process Improvement, 1/01/00. [https://doi.org/10.1007/978-3-319-49094-6\\_42](https://doi.org/10.1007/978-3-319-49094-6_42)

Jääskeläinen, A 2016, Towards model construction based on test cases and GUI extraction. in *Testing Software and Systems - 28th IFIP WG 6.1 International Conference, ICTSS 2016, Proceedings*. Lecture Notes in Computer Science, vol. 9976, Springer Verlag, pp. 225-230, INTERNATIONAL CONFERENCE ON TESTING SOFTWARE AND SYSTEMS, 1/01/00. [https://doi.org/10.1007/978-3-319-47443-4\\_15](https://doi.org/10.1007/978-3-319-47443-4_15)

Ruohonen, J, Hyrynsalmi, S & Leppänen, V 2015, Software evolution and time series volatility: An empirical exploration. in *14th International Workshop on Principles of Software Evolution, IWPSE 2015 - Proceedings*. vol. 30-Aug-2015, Institute of Electrical and Electronics Engineers Inc., pp. 56-65, 14th International Workshop on Principles of Software Evolution, IWPSE 2015, Bergamo, Italy, 30/08/15. <https://doi.org/10.1145/2804360.2804367>

Ahmadi, R, Leino, KRM & Nummenmaa, J 2015, Automatic verification of Dafny programs with traits. in *Proceedings for the 17th Workshop on Formal Techniques for Java-like Programs, FTfJP 2015: co-located with ECOOP 2015.*, a4, Association for Computing Machinery, Inc, 17th Workshop on Formal Techniques for Java-like Programs, FTfJP 2015, Prague, Czech Republic, 7/07/15. <https://doi.org/10.1145/2786536.2786542>

Vagharshakyan, S, Durmush, A, Suominen, O, Bregovic, R & Gotchev, A 2015, Accuracy evaluation of a linear positioning system for light field capture. in *Intelligent Information and Database Systems: 7th Asian Conference, ACIIDS 2015, Bali, Indonesia, March 23-25, 2015, Proceedings, Part II*. Lecture Notes in Computer Science, vol. 9012, Springer Verlag, pp. 388-397, Asian Conference on Intelligent Information and Database Systems, Indonesia, 1/01/00. [https://doi.org/10.1007/978-3-319-15705-4\\_38](https://doi.org/10.1007/978-3-319-15705-4_38)

Arnab, S, Ger, PM, Lim, T, Lamerias, P, Hendrix, M, Kiili, K, Hauge, JB, Ninaus, M, de Freitas, S, Mazzetti, A, Dahlbom, A, Degano, C, Stanescu, I & Riveiro, M 2015, A conceptual model towards the scaffolding of learning experience. in *Third International Conference, GALA 2014, Bucharest, Romania, July 2-4, 2014*. vol. 9221, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 9221, Springer Verlag, pp. 83-96, Games and Learning Alliance Conference, Romania, 1/01/15. [https://doi.org/10.1007/978-3-319-22960-7\\_9](https://doi.org/10.1007/978-3-319-22960-7_9)

Ponomarenko, N, Lukin, V, Astola, J & Egiazarian, K 2015, Analysis of HVS-metrics' properties using color image database TID2013. in *Advanced Concepts for Intelligent Vision Systems: 16th International Conference, ACIVS 2015, Catania, Italy, October 26-29, 2015. Proceedings*. Lecture Notes in Computer Science, vol. 9386, Springer Verlag, pp. 613-624, Advanced Concepts for Intelligent Vision Systems, 1/01/00. [https://doi.org/10.1007/978-3-319-25903-1\\_53](https://doi.org/10.1007/978-3-319-25903-1_53)

Devillers, R & Valmari, A (eds) 2015, *Application and Theory of Petri Nets and Concurrency: 36th International Conference, PETRI NETS 2015 Brussels, Belgium, June 21-26, 2015 Proceedings*. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 9115, vol. 9115, Springer Verlag. <https://doi.org/10.1007/978-3-319-19488-2>

Chaudhary, S, Li, L, Berki, E, Helenius, M, Kela, J & Turunen, M 2015, Applying finite state process algebra to formally specify a computational model of security requirements in the key2phone-mobile access solution. in *Lecture Notes in Computer Science*. Lecture Notes in Computer Science, vol. 9128, Springer Verlag, pp. 128-145, Formal Methods for Industrial Critical Systems, United Kingdom, 1/01/00. [https://doi.org/10.1007/978-3-319-19458-5\\_9](https://doi.org/10.1007/978-3-319-19458-5_9)

Boström, P, Heikkilä, M, Huova, M, Waldèn, M & Linjama, M 2015, Bayesian statistical analysis for performance evaluation in real-time control systems. in *Quantitative Evaluation of Systems: 12th International Conference, QEST 2015, Madrid, Spain, September 1-3, 2015, Proceedings*. vol. 9259, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 9259, Springer Verlag, pp. 312-328, International Conference on Quantitative Evaluation of Systems, 1/01/00. [https://doi.org/10.1007/978-3-319-22264-6\\_20](https://doi.org/10.1007/978-3-319-22264-6_20)

Brumley, BB 2015, Cache storage attacks. in *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Lecture Notes in Computer Science, vol. 9048, Springer Verlag, pp. 22-34, Cryptographer's Track at RSA Conference, United States, 1/01/00. [https://doi.org/10.1007/978-3-319-16715-2\\_2](https://doi.org/10.1007/978-3-319-16715-2_2)

Murthy, GR & Saramäki, T 2015, Complex transforms. in *Mining Intelligence and Knowledge Exploration: Third International Conference, MIKE 2015, Hyderabad, India, December 9-11, 2015, Proceedings*. Lecture Notes in Computer Science, vol. 9468, Springer Verlag, pp. 382-391, Mining Intelligence and Knowledge Exploration, 1/01/00. [https://doi.org/10.1007/978-3-319-26832-3\\_36](https://doi.org/10.1007/978-3-319-26832-3_36)

Kannisto, J, Heikkinen, S, Slavov, K & Harju, J 2015, Delayed key exchange for constrained smart devices. in *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Lecture Notes in Computer Science, vol. 8629, Springer Verlag, pp. 12-26, Ad-Hoc, Mobile and Wireless Networks, United Kingdom, 1/01/00. [https://doi.org/10.1007/978-3-662-46338-3\\_2](https://doi.org/10.1007/978-3-662-46338-3_2)

Lihavainen, E, Mäkelä, J, Spelbrink, JN & Ribeiro, AS 2015, Detecting and tracking the tips of fluorescently labeled mitochondria in U2OS cells. in *Image Analysis and Processing — ICIAP 2015: 18th International Conference, Genoa, Italy, September 7-11, 2015, Proceedings, Part II*. vol. 9280, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 9280, Springer Verlag, pp. 363-372, International Conference on Image Analysis and Processing, 1/01/00. [https://doi.org/10.1007/978-3-319-23234-8\\_34](https://doi.org/10.1007/978-3-319-23234-8_34)

Rauti, S, Laurén, S, Hosseinzadeh, S, Mäkelä, JM, Hyrynsalmi, S & Leppänen, V 2015, Diversification of system calls in linux binaries. in *Trusted Systems - 6th International Conference, INTRUST 2014, Revised Selected Papers*. Lecture Notes in Computer Science, vol. 9473, Springer Verlag, pp. 15-35, 6th International Conference on Trusted Systems, INTRUST 2014, Beijing, China, 16/12/14. [https://doi.org/10.1007/978-3-319-27998-5\\_2](https://doi.org/10.1007/978-3-319-27998-5_2)

Rama Murthy, G & Gabbouj, M 2015, Existence and synthesis of complex hopfield type associative memories. in *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Lecture Notes in Computer Science, vol. 9095, Springer Verlag, pp. 356-369, International Work Conference on Artificial Neural Networks, 1/01/00. [https://doi.org/10.1007/978-3-319-19222-2\\_30](https://doi.org/10.1007/978-3-319-19222-2_30)

Mehta, R, Günther, M & Marcel, S 2015, Gender classification by LUT based boosting of overlapping block patterns. in *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Lecture Notes in Computer Science, vol. 9127, Springer Verlag, pp. 530-542, Scandinavian Conference on Image Analysis, 1/01/00. [https://doi.org/10.1007/978-3-319-19665-7\\_45](https://doi.org/10.1007/978-3-319-19665-7_45)

Turunen, M, Sonntag, D, Engelbrecht, K-P, Olsson, T, Schnelle-Walka, D & Lucero, A 2015, Interaction and humans in internet of things. in *Lecture Notes in Computer Science*. Lecture Notes in Computer Science, vol. 9299, Springer Verlag, pp. 633-636, International Conference on Human-Computer Interaction, Germany, 1/01/15. [https://doi.org/10.1007/978-3-319-22723-8\\_80](https://doi.org/10.1007/978-3-319-22723-8_80)

Räihä, KJ 2015, Life in the fast lane: Effect of language and calibration accuracy on the speed of text entry by gaze. in *Human-Computer Interaction – INTERACT 2015 - 15th IFIP TC 13 International Conference, Proceedings*. vol. 9296, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 9296, Springer Verlag, pp. 402-417, 15th IFIP TC 13 International Conference on Human-Computer Interaction, INTERACT 2015, Bamberg, Germany, 14/09/15. [https://doi.org/10.1007/978-3-319-22701-6\\_30](https://doi.org/10.1007/978-3-319-22701-6_30)

Yang, H, Duan, L, Dong, G, Nummenmaa, J, Tang, C & Li, X 2015, Mining itemset-based distinguishing sequential patterns with gap constraint. in *Database Systems for Advanced Applications - 20th International Conference, DASFAA 2015, Proceedings Hanoi, Vietnam, April 20-23, 2015 Proceedings, Part I*. vol. 9049, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 9049, Springer Verlag, pp. 39-54, 20th International Conference on Database Systems for Advanced Applications, DASFAA 2015, Hanoi, Viet Nam, 20/04/15. [https://doi.org/10.1007/978-3-319-18120-2\\_3](https://doi.org/10.1007/978-3-319-18120-2_3)

Ponomarenko, N, Lukin, V, Astola, J & Egiazarian, K 2015, Non-local sigma filter. in *Image Analysis and Processing — ICIAP 2015: 18th International Conference, Genoa, Italy, September 7-11, 2015, Proceedings, Part II*. vol. 9280, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 9280, Springer Verlag, pp. 483-493, International Conference on Image Analysis and Processing, 1/01/00. [https://doi.org/10.1007/978-3-319-23234-8\\_45](https://doi.org/10.1007/978-3-319-23234-8_45)

Stanković, RS, Astola, JT, Moraga, C, Stanković, M & Gajić, D 2015, Remarks on characterization of bent functions in terms of gibbs dyadic derivatives. in *Computer Aided Systems Theory – EUROCAST 2015: 15th International Conference, Las Palmas de Gran Canaria, Spain, February 8-13, 2015, Revised Selected Papers*. Lecture Notes in Computer Science, vol. 9520, Springer, pp. 632-639, INTERNATIONAL CONFERENCE ON COMPUTER AIDED SYSTEMS THEORY, 1/01/00. [https://doi.org/10.1007/978-3-319-27340-2\\_78](https://doi.org/10.1007/978-3-319-27340-2_78)

Drgas, S & Virtanen, T 2015, Speaker verification using adaptive dictionaries in non-negative spectrogram deconvolution. in *Latent Variable Analysis and Signal Separation: 12th International Conference, LVA/ICA 2015, Liberec, Czech Republic, August 25-28, 2015, Proceedings*. vol. 9237, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 9237, Springer Verlag, pp. 462-469, International Conference on Latent Variable Analysis and Signal Separation, 1/01/00. [https://doi.org/10.1007/978-3-319-22482-4\\_54](https://doi.org/10.1007/978-3-319-22482-4_54)

Rusu, C & Astola, J 2015, The Extended 1-D (One-Dimensional) Discrete Phase Retrieval Problem. in *Computer Aided Systems Theory – EUROCAST 2015: 15th International Conference, Las Palmas de Gran Canaria, Spain, February 8-13, 2015, Revised Selected Papers*. Lecture Notes in Computer Science, vol. 9520, Springer, pp. 640-647, INTERNATIONAL CONFERENCE ON COMPUTER AIDED SYSTEMS THEORY, 1/01/00. [https://doi.org/10.1007/978-3-319-27340-2\\_79](https://doi.org/10.1007/978-3-319-27340-2_79)

Alanne, A, Hellsten, P, Pekkola, S & Saarenpää, I 2015, Three positives make one negative: Public sector is procurement . in *Electronic Government: 14th IFIP WG 8.5 International Conference, EGOV 2015, Thessaloniki, Greece, August 30 – September 2, 2015, Proceedings*. vol. 9248, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 9248, Springer Verlag, pp. 321-333, IFIP electronic government conference, United Kingdom, 1/01/00. [https://doi.org/10.1007/978-3-319-22479-4\\_24](https://doi.org/10.1007/978-3-319-22479-4_24)

Mikkonen, T, Systä, K & Pautasso, C 2015, Towards liquid web applications. in *Engineering the Web in the Big Data Era: 15th International Conference, ICWE 2015, Rotterdam, The Netherlands, June 23-26, 2015, Proceedings*. Lecture Notes in Computer Science, vol. 9114, Springer Verlag, pp. 134-143, International Conference on Web Engineering, 1/01/00. [https://doi.org/10.1007/978-3-319-19890-3\\_10](https://doi.org/10.1007/978-3-319-19890-3_10)

Ziaei, Z, Oftadeh, R & Mattila, J 2015, Vision-based trajectories planning for four wheels independently steered mobile robots with maximum allowable velocities. in *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. vol. 9287, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 9287, Springer Verlag, pp. 303-309, Towards Autonomous Robotic Systems, 1/01/00. [https://doi.org/10.1007/978-3-319-22416-9\\_34](https://doi.org/10.1007/978-3-319-22416-9_34)

Dehmer, M, Emmert-Streib, F & Grabner, M 2014, 'A computational approach to construct a multivariate complete graph invariant', *Information Sciences*, vol. 260, pp. 200-208. <https://doi.org/10.1016/j.ins.2013.11.008>

Pakkanen, T, Raisamo, R & Surakka, V 2014, Audio-haptic car navigation interface with rhythmic tactons. in *Haptics: Neuroscience, Devices, Modeling, and Applications - 9th International Conference, EuroHaptics 2014, Proceedings*. vol. 8618, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 8618, Springer Verlag, pp. 208-215, 9th International Conference on Haptics: Neuroscience, Devices, Modeling, and Applications, EuroHaptics 2014, Versailles, France, 24/06/14. [https://doi.org/10.1007/978-3-662-44193-0\\_27](https://doi.org/10.1007/978-3-662-44193-0_27)

Kangas, J, Rantala, J, Akkil, D, Isokoski, P, Majaranta, P & Raisamo, R 2014, Delayed haptic feedback to gaze gestures. in *Haptics: Neuroscience, Devices, Modeling, and Applications - 9th International Conference, EuroHaptics 2014, Proceedings*. vol. 8618, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 8618, Springer Verlag, pp. 25-31, 9th International Conference on Haptics: Neuroscience, Devices, Modeling, and Applications, EuroHaptics 2014, Versailles, France, 24/06/14. [https://doi.org/10.1007/978-3-662-44193-0\\_4](https://doi.org/10.1007/978-3-662-44193-0_4)

Altarawneh, R, Steiner, M, Taibi, D, Humayoun, SR & Liggesmeyer, P 2014, Does visualization speed up the safety analysis process? in *Computer Safety, Reliability, and Security - SAFECOMP 2014 Workshops: ASCoMS, DECSoS, DEVVARTS, ISSE, ReSA4CI, SASSUR, Proceedings*. vol. 8696 LNCS, Lecture Notes in Computer Science, vol. 8696, Springer Verlag, pp. 431-443, 33rd Workshop on Computer Safety, Reliability, and Security, SAFECOMP 2014, Florence, Italy, 8/09/14. [https://doi.org/10.1007/978-3-319-10557-4\\_47](https://doi.org/10.1007/978-3-319-10557-4_47)

Hamari, J, Koivisto, J & Pakkanen, T 2014, Do persuasive technologies persuade? - A review of empirical studies. in *Persuasive Technology - 9th International Conference, PERSUASIVE 2014, Proceedings*. vol. 8462 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 8462 LNCS, Springer Verlag, pp. 118-136, 9th International Conference on Persuasive Technology, PERSUASIVE 2014, Padua, Italy, 21/05/14. [https://doi.org/10.1007/978-3-319-07127-5\\_11](https://doi.org/10.1007/978-3-319-07127-5_11)

Karvonen, H, Koskinen, H, Tokkonen, H & Hakulinen, J 2014, Evaluation of user experience goal fulfillment: Case remote operator station. in *Virtual, Augmented and Mixed Reality: Applications of Virtual and Augmented Reality - 6th International Conference, VAMR 2014, Held as Part of HCI International 2014, Proceedings*. PART 2 edn, vol. 8526 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), no. PART 2, vol. 8526 LNCS, Springer Verlag, pp. 366-377, 6th International Conference on Virtual, Augmented and Mixed Reality, VAMR 2014 - Held as Part of 16th International Conference on Human-Computer



Interaction, HCI International 2014, Heraklion, Crete, Greece, 22/06/14. [https://doi.org/10.1007/978-3-319-07464-1\\_34](https://doi.org/10.1007/978-3-319-07464-1_34)

Abukwaik, H, Taibi, D & Rombach, D 2014, Interoperability-related architectural problems and solutions in information systems: A scoping study. in *Software Architecture - 8th European Conference, ECSA 2014, Proceedings*. Lecture Notes in Computer Science, vol. 8627, Springer Verlag, pp. 308-323, 8th European Conference on Software Architecture, ECSA 2014, Vienna, Austria, 25/08/14. [https://doi.org/10.1007/978-3-319-09970-5\\_27](https://doi.org/10.1007/978-3-319-09970-5_27)

Nyländén, T, Boutellier, J, Nikunen, K, Hannuksela, J & Silvén, O 2014, 'Low-Power Reconfigurable Miniature Sensor Nodes for Condition Monitoring', *International Journal of Parallel Programming*, vol. 43, no. 1, pp. 3-23. <https://doi.org/10.1007/s10766-013-0302-5>

Wang, W, Duan, L, Nummenmaa, J, Deng, S, Li, Z, Yang, H & Tang, C 2014, 'Mining frequent closed sequential patterns with non-user-defined gap constraints', *Lecture Notes in Computer Science*, vol. 8933, pp. 55-70.

Iosifidis, A, Tefas, A & Pitas, I 2014, Multi-view regularized extreme learning machine for human action recognition. in *Artificial Intelligence: Methods and Applications: 8th Hellenic Conference on AI, SETN 2014, Ioannina, Greece, May 15-17, 2014. Proceedings*. vol. 8445, Lecture Notes in Computer Science, vol. 8445 LNCS, Springer Verlag, pp. 84-94, 8th Hellenic Conference on Artificial Intelligence: Methods and Applications, SETN 2014, Ioannina, Greece, 15/05/14. [https://doi.org/10.1007/978-3-319-07064-3\\_7](https://doi.org/10.1007/978-3-319-07064-3_7)

McAllister, J, Guevorkian, D, Jeschke, H & Sima, M 2014, 'Special Issue on Embedded Computer Systems: Architectures, Modeling and Simulation', *International Journal of Parallel Programming*, vol. 43, no. 1. <https://doi.org/10.1007/s10766-014-0321-x>

Boutellier, J & Silvén, O 2013, 'Towards generic embedded multiprocessing for RVC-CAL dataflow programs', *Journal of Signal Processing Systems*, vol. 73, no. 2, pp. 137-142. <https://doi.org/10.1007/s11265-013-0737-3>

Lylykangas, J, Surakka, V, Rantala, J & Raisamo, R 2013, 'Intuitiveness of vibrotactile speed regulation cues', *ACM TRANSACTIONS ON APPLIED PERCEPTION*, vol. 10, no. 4, 24. <https://doi.org/10.1145/2536764.2536771>

Zaki, GF, Plishker, W, Bhattacharyya, SS, Clancy, C & Kuykendall, J 2013, 'Integration of dataflow-based heterogeneous multiprocessor scheduling techniques in GNU radio', *Journal of Signal Processing Systems*, vol. 70, no. 2, pp. 177-191. <https://doi.org/10.1007/s11265-012-0696-0>

Väätäjä, H, Sirkkunen, E & Ahvenainen, M 2013, A field trial on mobile crowdsourcing of news content: Factors influencing participation. in *Human-Computer Interaction, INTERACT 2013, 14th IFIP TC 13 International Conference, Cape Town, South Africa, September 2-6, 2013, Proceedings, Part III. PART 3* edn, vol. 8119 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), no. PART 3, vol. 8119 LNCS, Springer, Berlin, Germany, pp. 54-73, 14th IFIP TC 13 International Conference on Human-Computer Interaction, INTERACT 2013, Cape Town, South Africa, 2/09/13. [https://doi.org/10.1007/978-3-642-40477-1\\_4](https://doi.org/10.1007/978-3-642-40477-1_4)

Boutellier, J, Raulet, M & Silvén, O 2013, 'Automatic hierarchical discovery of quasi-static schedules of RVC-CAL dataflow programs', *Journal of Signal Processing Systems*, vol. 71, no. 1, pp. 35-40. <https://doi.org/10.1007/s11265-012-0676-4>

Thanisch, P, Nummenmaa, J, Niemi, T & Niinimäki, M 2013, Cell-at-a-time approach to lazy evaluation of dimensional aggregations. in *Data Warehousing and Knowledge Discovery - 15th International Conference, DaWaK 2013, Proceedings*. vol. 8057 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 8057 LNCS, pp. 349-358, 15th International Conference on Data Warehousing and Knowledge Discovery, DaWaK 2013, Prague, Czech Republic, 26/08/13. [https://doi.org/10.1007/978-3-642-40131-2\\_31](https://doi.org/10.1007/978-3-642-40131-2_31)

Hakulinen, J, Turunen, M, Heimonen, T, Keskinen, T, Sand, A, Paavilainen, J, Parviainen, J, Yrjänäinen, S, Mäyrä, F, Okkonen, J & Raisamo, R 2013, Creating immersive audio and lighting based physical exercise games for schoolchildren. in *Advances in Computer Entertainment - 10th International Conference, ACE 2013, Proceedings*. vol. 8253 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 8253 LNCS, pp. 308-319, 10th International Conference on Advances in Computer Entertainment, ACE 2013, Boekelo, Netherlands, 12/11/13. [https://doi.org/10.1007/978-3-319-03161-3\\_22](https://doi.org/10.1007/978-3-319-03161-3_22)

Heimonen, T, Hakulinen, J, Turunen, M, Jokinen, JPP, Keskinen, T & Raisamo, R 2013, Designing gesture-based control for factory automation. in *Human-Computer Interaction, INTERACT 2013 - 14th IFIP TC 13 International Conference, Proceedings*. PART 2 edn, vol. 8118 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), no. PART 2, vol. 8118 LNCS, pp. 202-209, 14th IFIP TC 13 International Conference on Human-Computer Interaction, INTERACT 2013, Cape Town, South Africa, 2/09/13. [https://doi.org/10.1007/978-3-642-40480-1\\_13](https://doi.org/10.1007/978-3-642-40480-1_13)

Pajarinen, J & Peltonen, J 2013, Expectation maximization for average reward decentralized POMDPs. in *Machine Learning and Knowledge Discovery in Databases - European Conference, ECML PKDD 2013, Proceedings*. PART 1 edn, vol. 8188 LNAI, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), no. PART 1, vol. 8188 LNAI, pp. 129-144, European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases, ECML PKDD 2013, Prague, Czech Republic, 23/09/13. [https://doi.org/10.1007/978-3-642-40988-2\\_9](https://doi.org/10.1007/978-3-642-40988-2_9)

Wang, LH, Shen, CC, Wu, S & Bhattacharyya, SS 2013, 'Parameterized scheduling of topological patterns in signal processing dataflow graphs', *Journal of Signal Processing Systems*, vol. 71, no. 3, pp. 275-286. <https://doi.org/10.1007/s11265-012-0719-x>

Vanhala, T, Surakka, V, Courgeon, M & Martin, JC 2012, 'Voluntary facial activations regulate physiological arousal and subjective experiences during virtual social stimulation', *ACM TRANSACTIONS ON APPLIED PERCEPTION*, vol. 9, no. 1, 1. <https://doi.org/10.1145/2134203.2134204>

Pakkanen, T, Raisamo, R & Surakka, V 2012, 'Comparison of extensive vs. confirmation haptic interfaces with two levels of disruptive tasks', *Lecture Notes in Computer Science*, vol. 7282 LNCS, no. PART 1, pp. 383-394. [https://doi.org/10.1007/978-3-642-31401-8\\_35](https://doi.org/10.1007/978-3-642-31401-8_35)

Kee, H, Shen, CC, Bhattacharyya, SS, Wong, I, Rao, Y & Kornerup, J 2012, 'Mapping parameterized cyclo-static dataflow graphs onto configurable hardware', *Journal of Signal Processing Systems*, vol. 66, no. 3, pp. 285-301. <https://doi.org/10.1007/s11265-011-0599-5>

Nukarinen, T, Raisamo, R, Pystynen, J & Mäkinen, E 2012, 'NonVisNavi: Non-visual mobile navigation application for pedestrians', *Lecture Notes in Computer Science*, vol. 7283 LNCS, no. PART 2, pp. 214-217. [https://doi.org/10.1007/978-3-642-31404-9\\_39](https://doi.org/10.1007/978-3-642-31404-9_39)

Raisamo, R, Nukarinen, T, Pystynen, J, Mäkinen, E & Kildal, J 2012, 'Orientation inquiry: A new haptic interaction technique for non-visual pedestrian navigation', *Lecture Notes in Computer Science*, vol. 7283 LNCS, no. PART 2, pp. 139-144. [https://doi.org/10.1007/978-3-642-31404-9\\_24](https://doi.org/10.1007/978-3-642-31404-9_24)

Brumley, B, Barbosa, M, Page, D & Vercauteren, F 2012, Practical realisation and elimination of an ECC-related software bug attack. in *Topics in Cryptology, CT-RSA 2012 - The Cryptographers' Track at the RSA Conference 2012, Proceedings*. vol. 7178 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 7178 LNCS, pp. 171-186, 12th Cryptographers' Track at the RSA Conference, CT-RSA 2012, San Francisco, CA, United States, 27/02/12. [https://doi.org/10.1007/978-3-642-27954-6\\_11](https://doi.org/10.1007/978-3-642-27954-6_11)

Brumley, BB 2012, Secure and fast implementations of two involution ciphers. in *Information Security Technology for Applications - 15th Nordic Conference on Secure IT Systems, NordSec 2010, Revised Selected Papers*. vol. 7127 LNCS, Lecture Notes in Computer Science, vol. 7127 LNCS, pp. 269-282, 15th Nordic Conference on Secure IT Systems, NordSec 2010, Espoo, Finland, 27/10/10. [https://doi.org/10.1007/978-3-642-27937-9\\_19](https://doi.org/10.1007/978-3-642-27937-9_19)

Keskinen, T, Heimonen, T, Turunen, M, Rajaniemi, JP & Kauppinen, S 2012, SymbolChat: Picture-based communication platform for users with intellectual disabilities. in *Computers Helping People with Special Needs - 13th International Conference, ICCHP 2012, Proceedings*. PART 2 edn, vol. 7383 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), no. PART 2, vol. 7383 LNCS, pp. 279-286, 13th International Conference on Computers Helping People with Special Needs, ICCHP 2012, Linz, Austria, 11/07/12. [https://doi.org/10.1007/978-3-642-31534-3\\_43](https://doi.org/10.1007/978-3-642-31534-3_43)

- Keskinen, T, Turunen, M, Raisamo, R, Evreinov, G & Haverinen, E 2012, 'Utilizing haptic feedback in drill rigs', *Lecture Notes in Computer Science*, vol. 7283 LNCS, no. PART 2, pp. 73-78. [https://doi.org/10.1007/978-3-642-31404-9\\_13](https://doi.org/10.1007/978-3-642-31404-9_13)
- Bhattacharyya, SS, Eker, J, Janneck, JW, Lucarz, C, Mattavelli, M & Raulet, M 2011, 'Overview of the MPEG reconfigurable video coding framework', *Journal of Signal Processing Systems*, vol. 63, no. 2, pp. 251-263. <https://doi.org/10.1007/s11265-009-0399-3>
- Boutellier, J, Lucarz, C, Lafond, S, Gomez, VM & Mattavelli, M 2011, 'Quasi-static scheduling of CAL actor networks for reconfigurable video coding', *Journal of Signal Processing Systems*, vol. 63, no. 2, pp. 191-202. <https://doi.org/10.1007/s11265-009-0389-5>
- Gu, R, Janneck, JW, Raulet, M & Bhattacharyya, SS 2011, 'Exploiting statically schedulable regions in dataflow programs', *Journal of Signal Processing Systems*, vol. 63, no. 1, pp. 129-142. <https://doi.org/10.1007/s11265-009-0445-1>
- Pursiainen, S, Sorrentino, A, Campi, C & Piana, M 2011, 'Forward simulation and inverse dipole localization with the lowest order Raviart - Thomas elements for electroencephalography', *Inverse Problems*, vol. 27, no. 4, 045003. <https://doi.org/10.1088/0266-5611/27/4/045003>
- Turunen, M, Hakulinen, J, Ståhl, O, Gambäck, B, Hansen, P, Rodríguez Gancedo, MC, De La Cámara, RS, Smith, C, Charlton, D & Cavazza, M 2011, 'Multimodal and mobile conversational Health and Fitness Companions', *Computer Speech and Language*, vol. 25, no. 2, pp. 192-209. <https://doi.org/10.1016/j.csl.2010.04.004>
- Wilks, Y, Catizone, R, Worgan, S & Turunen, M 2011, 'Some background on dialogue management and conversational speech for dialogue systems', *Computer Speech and Language*, vol. 25, no. 2, pp. 128-139. <https://doi.org/10.1016/j.csl.2010.03.001>
- Leino, J, Räihä, KJ & Finnberg, S 2011, All the news that's fit to read: Finding and recommending news online. in *Human-Computer Interaction - INTERACT 2011 - 13th IFIP TC 13 International Conference, Proceedings*. PART 3 edn, vol. 6948 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), no. PART 3, vol. 6948 LNCS, pp. 169-186, 13th IFIP TC 13 International Conference on Human-Computer Interaction, INTERACT 2011, Lisbon, Portugal, 5/09/11. [https://doi.org/10.1007/978-3-642-23765-2\\_12](https://doi.org/10.1007/978-3-642-23765-2_12)
- Neumann, L & Matas, J 2011, A method for text localization and recognition in real-world images. in *Computer Vision, ACCV 2010 - 10th Asian Conference on Computer Vision, Revised Selected Papers*. PART 3 edn, vol. 6494 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), no. PART 3, vol. 6494 LNCS, pp. 770-783, 10th Asian Conference on Computer Vision, ACCV 2010, Queenstown, New Zealand, 8/11/10. [https://doi.org/10.1007/978-3-642-19318-7\\_60](https://doi.org/10.1007/978-3-642-19318-7_60)
- Wu, HH, Shen, CC, Sane, N, Plishker, W & Bhattacharyya, SS 2011, A model-based schedule representation for heterogeneous mapping of dataflow graphs. in *2011 IEEE International Symposium on Parallel and Distributed Processing, Workshops and Phd Forum, IPDPSW 2011.*, 6008822, pp. 70-81, 25th IEEE International Parallel and Distributed Processing Symposium, Workshops and Phd Forum, IPDPSW 2011, Anchorage, AK, United States, 16/05/11. <https://doi.org/10.1109/IPDPS.2011.128>
- Makni, N, Iancu, A, Puech, P, Mordon, S & Betrouni, N 2011, A morphological atlas of prostate's zonal anatomy for construction of realistic digital and physical phantoms. in *Prostate Cancer Imaging: Image Analysis and Image-Guided Interventions - International Workshop, Held in Conjunction with MICCAI 2011, Proceedings*. vol. 6963 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 6963 LNCS, pp. 22-34, International Workshop on Prostate Cancer Imaging: Image Analysis and Image-Guided Interventions, Held in Conjunction with MICCAI 2011, Toronto, ON, Canada, 22/09/11. [https://doi.org/10.1007/978-3-642-23944-1\\_3](https://doi.org/10.1007/978-3-642-23944-1_3)
- Brumley, B & Page, D 2011, Bit-sliced binary normal basis multiplication. in *Proceedings - 20th IEEE Symposium on Computer Arithmetic, ARITH-20.*, 5992128, pp. 205-212, 20th IEEE Symposium on Computer Arithmetic, ARITH-20, Tubingen, Germany, 25/07/11. <https://doi.org/10.1109/ARITH.2011.36>

Salminen, K, Surakka, V, Lylykangas, J, Rantala, J, Laitinen, P & Raisamo, R 2011, Evaluations of piezo actuated haptic stimulations. in *Affective Computing and Intelligent Interaction - 4th International Conference, ACII 2011, Proceedings*. PART 1 edn, vol. 6974 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), no. PART 1, vol. 6974 LNCS, pp. 296-305, 4th International Conference on Affective Computing and Intelligent Interaction, ACII 2011, Memphis, TN, United States, 9/10/11. [https://doi.org/10.1007/978-3-642-24600-5\\_33](https://doi.org/10.1007/978-3-642-24600-5_33)

Leen, G, Peltonen, J & Kaski, S 2011, Focused multi-task learning using Gaussian processes. in *Machine Learning and Knowledge Discovery in Databases - European Conference, ECML PKDD 2011, Proceedings*. PART 2 edn, vol. 6912 LNAI, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), no. PART 2, vol. 6912 LNAI, pp. 310-325, European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases, ECML PKDD 2011, Athens, Greece, 5/09/11. [https://doi.org/10.1007/978-3-642-23783-6\\_20](https://doi.org/10.1007/978-3-642-23783-6_20)

Plishker, W, Sane, N, Kiemb, M & Bhattacharyya, SS 2011, Heterogeneous design in functional DIF. in *Transactions on High-Performance Embedded Architectures and Compilers IV*. vol. 6760 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 6760 LNCS, pp. 391-408. <https://doi.org/10.1007/978-3-642-24568-8-20>

Chum, O & Matas, J 2011, Planar affine rectification from change of scale. in *Computer Vision, ACCV 2010 - 10th Asian Conference on Computer Vision, Revised Selected Papers*. PART 4 edn, vol. 6495 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), no. PART 4, vol. 6495 LNCS, pp. 347-360, 10th Asian Conference on Computer Vision, ACCV 2010, Queenstown, New Zealand, 8/11/10. [https://doi.org/10.1007/978-3-642-19282-1\\_28](https://doi.org/10.1007/978-3-642-19282-1_28)

Lukin, V, Ponomarenko, N, Kurekin, A & Pogrebnyak, O 2011, Processing and classification of multichannel remote sensing data. in *Advances in Soft Computing - 10th Mexican International Conference on Artificial Intelligence, MICAI 2011, Proceedings*. PART 2 edn, vol. 7095 LNAI, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), no. PART 2, vol. 7095 LNAI, pp. 487-498, 10th Mexican International Conference on Artificial Intelligence, MICAI 2011, Puebla, Mexico, 26/11/11. [https://doi.org/10.1007/978-3-642-25330-0\\_43](https://doi.org/10.1007/978-3-642-25330-0_43)

Brumley, B & Tuveri, N 2011, Remote timing attacks are still practical. in *Computer Security, ESORICS 2011 - 16th European Symposium on Research in Computer Security, Proceedings*. vol. 6879 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 6879 LNCS, pp. 355-371, 16th European Symposium on Research in Computer Security, ESORICS 2011, Leuven, Belgium, 12/09/11. [https://doi.org/10.1007/978-3-642-23822-2\\_20](https://doi.org/10.1007/978-3-642-23822-2_20)

Ilves, M, Surakka, V & Vanhala, T 2011, The effects of emotionally worded synthesized speech on the ratings of emotions and voice quality. in *Affective Computing and Intelligent Interaction - 4th International Conference, ACII 2011, Proceedings*. PART 1 edn, vol. 6974 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), no. PART 1, vol. 6974 LNCS, pp. 588-598, 4th International Conference on Affective Computing and Intelligent Interaction, ACII 2011, Memphis, TN, United States, 9/10/11. [https://doi.org/10.1007/978-3-642-24600-5\\_62](https://doi.org/10.1007/978-3-642-24600-5_62)

Hyrkkänen, U & Nenonen, S 2011, The virtual workplace of a mobile employee - How does Vischer's model function in identifying physical, functional and psychosocial fit? in *Human-Computer Interaction: Towards Mobile and Intelligent Interaction Environments - 14th International Conference, HCI International 2011, Proceedings*. PART 3 edn, vol. 6763 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), no. PART 3, vol. 6763 LNCS, pp. 69-75, 14th International Conference on Human-Computer Interaction, HCI International 2011, Orlando, FL, United States, 9/07/11. [https://doi.org/10.1007/978-3-642-21616-9\\_8](https://doi.org/10.1007/978-3-642-21616-9_8)

Sane, N, Kee, H, Seetharaman, G & Bhattacharyya, SS 2011, 'Topological patterns for scalable representation and analysis of dataflow graphs', *Journal of Signal Processing Systems*, vol. 65, no. 2, pp. 229-244. <https://doi.org/10.1007/s11265-011-0610-1>

Siirtola, H & Rähkä, KJ 2011, Using gaze data in evaluating interactive visualizations. in *Human Aspects of Visualization - Second IFIP WG 13.7 Workshop on Human-Computer Interaction and Visualization, HCIV (INTERACT) 2009, Revised Selected Papers*. vol. 6431 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 6431 LNCS, pp. 127-141, 2nd IFIP WG 13.7 Workshop on Human-Computer Interaction and Visualization, HCIV (INTERACT) 2009, Uppsala, Sweden, 24/08/09. [https://doi.org/10.1007/978-3-642-19641-6\\_9](https://doi.org/10.1007/978-3-642-19641-6_9)

Brumley, BB, Hakala, RM, Nyberg, K & Sovio, S 2010, Consecutive S-box lookups: A timing attack on SNOW 3G. in *Information and Communications Security - 12th International Conference, ICICS 2010, Proceedings*. Lecture Notes in Computer Science, vol. 6476, pp. 171-185, 2010 International Conference on Information and Communications Security, ICICS 2010, Barcelona, Spain, 15/12/10. [https://doi.org/10.1007/978-3-642-17650-0\\_13](https://doi.org/10.1007/978-3-642-17650-0_13)

Acliçmez, O, Brumley, BB & Grabher, P 2010, New results on instruction cache attacks. in *Cryptographic Hardware and Embedded Systems, CHES 2010 - 12th International Workshop, Proceedings*. Lecture Notes in Computer Science, vol. 6225, pp. 110-124, 12th International Workshop on Cryptographic Hardware and Embedded Systems, CHES 2010, Santa Barbara, CA, United States, 17/08/10. [https://doi.org/10.1007/978-3-642-15031-9\\_8](https://doi.org/10.1007/978-3-642-15031-9_8)

Brumley, BB & Jarvinen, KU 2010, 'Conversion algorithms and implementations for koblitz curve cryptography', *IEEE Transactions on Computers*, vol. 59, no. 1, 5255226, pp. 81-92. <https://doi.org/10.1109/TC.2009.132>

Brumley, BB & Hakala, RM 2009, Cache-timing template attacks. in *Advances in Cryptology - ASIACRYPT 2009 - 15th International Conference on the Theory and Application of Cryptology and Information Security, Proceedings*. Lecture Notes in Computer Science, vol. 5912, pp. 667-684, 15th International Conference on the Theory and Application of Cryptology and Information Security, ASIACRYPT 2009, Tokyo, Japan, 6/12/09. [https://doi.org/10.1007/978-3-642-10366-7\\_39](https://doi.org/10.1007/978-3-642-10366-7_39)

Brumley, BB & Nyberg, K 2009, On modular decomposition of integers. in *Progress in Cryptology - AFRICACRYPT 2009 - Second International Conference on Cryptology in Africa, Proceedings*. Lecture Notes in Computer Science, vol. 5580, pp. 386-402, 2nd International Conference on Cryptology in Africa, AFRICACRYPT 2009, Gammarth, Tunisia, 21/06/09. [https://doi.org/10.1007/978-3-642-02384-2\\_24](https://doi.org/10.1007/978-3-642-02384-2_24)

Brumley, BB & Järvinen, KU 2008, Fast point decomposition for standard elliptic curves. in *Public Key Infrastructure - 5th European PKI Workshop: Theory and Practice, EuroPKI 2008, Proceedings*. Lecture Notes in Computer Science, vol. 5057, pp. 134-149, 5th European Public Key Infrastructure Workshop: Theory and Practice, EuroPKI 2008, Trondheim, Norway, 16/06/08. [https://doi.org/10.1007/978-3-540-69485-4\\_10](https://doi.org/10.1007/978-3-540-69485-4_10)

Brumley, BB & Nyberg, K 2007, Differential properties of elliptic curves and blind signatures. in *Information Security - 10th International Conference, ISC 2007, Proceedings*. Lecture Notes in Computer Science, vol. 4779, pp. 376-389, 10th Information Security Conference, ISC 2007, Valparaiso, Chile, 9/10/07.

Brumley, BB & Järvinen, K 2007, Koblitz curves and integer equivalents of frobenius expansions. in *Selected Areas in Cryptography - 14th International Workshop, SAC 2007, Revised Selected Papers*. Lecture Notes in Computer Science, vol. 4876, pp. 126-137, 14th International Workshop on Selected Areas in Cryptography, SAC 2007, Ottawa, Canada, 16/08/07.

Emmert-Streib, F & Dehmer, M 2007, Optimization procedure for predicting nonlinear time series based on a non-Gaussian noise model. in *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. vol. 4827 LNAI, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 4827 LNAI, pp. 540-549, 6th Mexican International Conference on Artificial Intelligence, MICAI 2007, Aguascalientes, Mexico, 4/11/07. [https://doi.org/10.1007/978-3-540-76631-5\\_51](https://doi.org/10.1007/978-3-540-76631-5_51)

Brumley, BB 2006, Left-to-right signed-bit  $\tau$ -adic representations of  $n$  integers. in *Information and Communications Security - 8th International Conference, ICICS 2006, Proceedings*. Lecture Notes in Computer Science, vol. 4307, Springer Verlag, pp. 469-478, 8th International Conference on Information and Communications Security, ICICS 2006, Raleigh, United States, 4/12/06.

Emmert-Streib, F 2006, A novel stochastic learning rule for neural networks. in *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. vol. 3971 LNCS, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 3971 LNCS, Springer Verlag, pp. 414-423, 3rd International Symposium on Neural Networks, ISNN 2006 - Advances in Neural Networks, Chengdu, China, 28/05/06. [https://doi.org/10.1007/11759966\\_62](https://doi.org/10.1007/11759966_62)

Emmert-Streib, F 2005, A neurobiologically motivated model for self-organized learning. in A Gelbukh, A DeAlbornoz & H TerashimaMarin (eds), *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. vol. 3789 LNAI, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 3789 LNAI, Springer-Verlag, Berlin, pp. 415-424, 4th Mexican International Conference on Artificial Intelligence, MICAI 2005, Monterrey, Mexico, 14/11/05. [https://doi.org/10.1007/11579427\\_42](https://doi.org/10.1007/11579427_42)

Rentto, K, Korhonen, I, Väättänen, A, Pekkarinen, L, Tuomisto, T, Cluitmans, L & Lappalainen, R 2003, Users' preferences for ubiquitous computing applications at home. in *Lecture Notes in Computer Science: Ambient Intelligence. First European Symposium, EUSAI 2003*. vol. 2875, Springer Netherlands, pp. 384-393.