

- Turunen E. 2020. Necessary and sufficient conditions for the existence of solution of generalized fuzzy relation equations  $A \Leftrightarrow X = B$ . *Information Sciences*. 536:351-357. <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*. 524:199-215. <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*. 171. <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*. 53(2). <https://doi.org/10.1145/3378444>
- Vagharshakyan S, Bregovic R, Gotchev A. 2020. Densely-sampled light field reconstruction. In *Real VR – Immersive Digital Reality*. Springer. pp. 67-95. (Lecture Notes in Computer Science). [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, Akpinar U, Miyanishi Y, Gotchev A. 2020. Design and characterization of light field and holographic near-eye displays. In *Real VR – Immersive Digital Reality*. Springer. pp. 244-271. (Lecture Notes in Computer Science). [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, Rönholm 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. Gram-Hansen SB, Jonasen TS, Midden C, editors. In *Persuasive Technology. Designing for Future Change - 15th International Conference on Persuasive Technology, PERSUASIVE 2020, Proceedings*. Springer. pp. 73-84. (Lecture Notes in Computer Science). [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. Moreno-Díaz R, Quesada-Arencibia A, Pichler F, editors. In *Computer Aided Systems Theory – EUROCAST 2019 - 17th International Conference, Revised Selected Papers*. Springer. pp. 123-130. (Lecture Notes in Computer Science). [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. McDaniel T, Berretti S, Curcio IDD, Basu A, editors. In *Smart Multimedia - 2nd International Conference, ICSM 2019, Revised Selected Papers*. Springer. pp. 212-223. (Lecture Notes in Computer Science). [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, Pillana S, Respício A, Simão J, Veiga L, Visa A. 2019. Programming languages for data-intensive HPC applications: A systematic mapping study. *Parallel Computing*. 91. <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*. 21(1). <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*. 29(5):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*. 495:175-184. <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*. 31(13). <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*. 75(3):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*. 471:19-28. <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*. 91(1):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. Söbke H, Gentile M, Allegra M, editors. In *Games and Learning Alliance - 7th International Conference, GALA 2018, Proceedings*. Springer Verlag. pp. 167-177. (Lecture Notes in Computer Science). [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. Galinina O, Andreev S, Koucheryavy Y, Balandin S, editors. In *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 19th International Conference, NEW2AN 2019, and 12th Conference, ruSMART 2019, Proceedings*. Springer Verlag. pp. 572-585. (Lecture Notes in Computer Science). [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. Galinina O, Andreev S, Koucheryavy Y, Balandin S, editors. In *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 19th International Conference, NEW2AN 2019, and 12th Conference, ruSMART 2019, Proceedings*. Springer Verlag. pp. 342-354. (Lecture Notes in Computer Science). [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. Vishnevskiy VM, Kozyrev DV, Samouylov KE, Kozyrev DV, editors. In *Distributed Computer and Communication Networks - 22nd International Conference, DCCN 2019, Revised Selected Papers*. Springer. pp. 71-83. (Lecture Notes in Computer Science). [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. Lamas D, Loizides F, Nacke L, Petrie H, Winckler M, Zaphiris P, editors. In *Human-Computer Interaction – INTERACT 2019 - 17th IFIP TC 13 International Conference, Proceedings*. Springer Verlag. pp. 34-52. (Lecture Notes in Computer Science). [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. Di Felice M, Natalizio E, Bruno R, Kassler A, editors. In *Wired/Wireless Internet Communications - 17th IFIP WG 6.2 International Conference, WWIC 2019, Proceedings*. Springer Verlag. pp. 118-128. (Lecture Notes in Computer Science). [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. Söbke H, Gentile M, Allegra M, editors. In *Games and Learning Alliance - 7th International Conference, GALA 2018, Proceedings*. Springer Verlag. pp. 157-166. (Lecture Notes in Computer Science). [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. Tetko IV, Karpov P, Theis F, Kurková V, editors. In *Artificial Neural Networks and Machine Learning – ICANN 2019: Image Processing - 28th International Conference on Artificial Neural Networks, 2019, Proceedings*. Springer Verlag. pp. 267-280. (Lecture Notes in Computer Science). [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. Vishnevskiy VM, Kozyrev DV, Samouylov KE, Kozyrev DV, editors. In *Distributed Computer and Communication Networks - 22nd International Conference, DCCN 2019, Revised Selected Papers*. Springer. pp. 607-615. (Lecture Notes in Computer Science). [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 . Jawahar CV, Schindler K, Mori G, Li H, editors. In *Computer Vision - ACCV 2018 - 14th Asian Conference on Computer Vision, Revised Selected Papers*. Springer Verlag. pp. 51-66. (Lecture Notes in Computer Science). [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. Liapis A, Yannakakis GN, Gentile M, Ninaus M, editors. In *Games and Learning Alliance- 8th International Conference, GALA 2019, Proceedings*. Springer. pp. 301-311. (Lecture Notes in Computer Science). [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. Galinina O, Andreev S, Koucheryavy Y, Balandin S, editors. In *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 19th International Conference, NEW2AN 2019, and 12th Conference, ruSMART 2019, Proceedings*. Springer Verlag. pp. 282-294. (Lecture Notes in Computer Science). [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. Askarov A, Hansen RR, Rafnsson W, editors. In *Secure IT Systems - 24th Nordic Conference, NordSec 2019, Proceedings*. Springer. pp. 254-270. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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. Fink GA, Frintrop S, Jiang X, editors. In *Pattern Recognition - 41st DAGM German Conference, DAGM GCPR 2019, Proceedings*. Springer. pp. 401-413. (Lecture Notes in Computer Science). [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. Galinina O, Andreev S, Koucheryavy Y, Balandin S, editors. In *Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 19th International Conference, NEW2AN 2019, and 12th Conference, ruSMART 2019, Proceedings*. Springer Verlag. pp. 415-423. (Lecture Notes in Computer Science). [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. Felsberg M, Forssén P-E, Unger J, Sintorn I-M, editors. In Image Analysis - 21st Scandinavian Conference, SCIA 2019, Proceedings. Springer Verlag. pp. 173-183. (Lecture Notes in Computer Science). [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. Vera-Rodriguez R, Fierrez J, Morales A, editors. In Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications - 23rd Iberoamerican Congress, CIARP 2018, Proceedings. Springer Verlag. pp. 325-333. (Lecture Notes in Computer Science). [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. Bakaev M, Ko I-Y, Frasincar F, editors. In Web Engineering - 19th International Conference, ICWE 2019, Proceedings. Springer Verlag. pp. 347-355. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 100-138. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 1-21. (Lecture Notes in Computer Science). [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. Di Felice M, Natalizio E, Bruno R, Kassler A, editors. In Wired/Wireless Internet Communications - 17th IFIP WG 6.2 International Conference, WWIC 2019, Proceedings. Springer Verlag. pp. 129-140. (Lecture Notes in Computer Science). [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. Felsberg M, Forssén P-E, Unger J, Sintorn I-M, editors. In Image Analysis - 21st Scandinavian Conference, SCIA 2019, Proceedings. Springer Verlag. pp. 16-27. (Lecture Notes in Computer Science). [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. Galinina O, Andreev S, Koucheryavy Y, Balandin S, editors. In Internet of Things, Smart Spaces, and Next Generation Networks and Systems - 19th International Conference, NEW2AN 2019, and 12th Conference, ruSMART 2019, Proceedings. Springer Verlag. pp. 269-281. (Lecture Notes in Computer Science). [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. 15(2):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. Tetko IV, Karpov P, Theis F, Kurková V, editors. In Artificial Neural Networks and Machine Learning – ICANN 2019: Deep Learning - 28th International Conference on Artificial Neural Networks, Proceedings. Springer Verlag. pp. 275-287. (Lecture Notes in Computer Science). [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. Liapis A, Yannakakis GN, Gentile M, Ninaus M, editors. In Games and Learning Alliance- 8th International Conference, GALA 2019, Proceedings. Springer. pp. 103-113. (Lecture Notes in Computer Science). [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. Maurice C, Giacinto G, Perdisci R, Almgren M, Perdisci R, editors. In Detection of Intrusions and Malware, and Vulnerability Assessment - 16th International Conference, DIMVA 2019, Proceedings. Springer Verlag. pp. 330-350. (Lecture Notes in Computer Science). [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. Lamas D, Loizides F, Nacke L, Petrie H, Winckler M, Zaphiris P, editors. In Human-Computer Interaction – INTERACT 2019 - 17th IFIP TC 13 International Conference, Proceedings. Springer Verlag. pp. 453-471. (Lecture Notes in Computer Science). [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*. 33:69-90. <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*. 90(11):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*. 467:407-414. <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. Springer Verlag. 720 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). <https://doi.org/10.1007/978-3-030-01168-0>

Pyattaev A, Solomitskii 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*. Springer Verlag. pp. 269-281. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. Springer Verlag. pp. 340-354. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. Springer Verlag. pp. 425-440. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. Springer Verlag. pp. 524-534. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. 31(3):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*. Springer Verlag. pp. 210-223. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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. Springer Verlag. pp. 381-393. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. 20(1). <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*. Springer. pp. 57-66. (Lecture Notes in Computer Science). [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, ed. 2018. *Current Trends in Web Engineering: ICWE 2018 International Workshops, MATWEP, EnWot, KD-WEB, WEOD, TourismKG, Cáceres, Spain, June 5, 2018, Revised Selected Papers*. Springer. 298 p. (Lecture Notes in Computer Science).

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*. Springer Verlag. pp. 229-237. (Lecture Notes in Computer Science). [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*. 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*. Springer Verlag. pp. 48-60. (Lecture Notes in Computer Science). [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*. Springer. pp. 224-235. (Lecture Notes in Computer Science). [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*. Springer Verlag. pp. 92-107. (Lecture Notes in Computer Science). [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*. 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*. 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*. Springer Verlag. pp. 88-105. (Lecture Notes in Computer Science). [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*. Springer Verlag. pp. 3-20. (Lecture Notes in Bioinformatics). [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, ed. 2018. MultiMedia Modeling: 24th International Conference, MMM 2018, Bangkok, Thailand, February 5-7, 2018, Proceedings, Part I. Springer. 648 p. (Lecture Notes in Computer Science). <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. Springer. 460 p. (Lecture Notes in Computer Science). <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*. Springer Verlag. pp. 155-166. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. Springer Verlag. pp. 405-418. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. Springer Verlag. pp. 323-335. (Lecture Notes in Computer Science). [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)*. 11118 LNCS: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*. 31(3):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*. Springer Verlag. pp. 520-538. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. Springer. pp. 417-428. (Lecture Notes in Computer Science). [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*. 418-419:575-580. <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*. 408:176-181. <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*. 87(3):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*. 87(3):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*. 14(3). <https://doi.org/10.1145/3047409>

Hansen H. 2017. Abstractions for transition systems with applications to stubborn sets. Gibson-Robinson T, Hopcroft P, Lazić R, editors. In *Concurrency, Security, and Puzzles: Essays Dedicated to Andrew William Roscoe on the Occasion of His 60th Birthday*. Springer International Publishing. pp. 104-123. (Lecture Notes in Computer Science). [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. Gibson-Robinson T, Hopcroft P, Lazić R, editors. In *Concurrency, Security, and Puzzles: Essays Dedicated to Andrew William Roscoe on the Occasion of His 60th Birthday*. Springer International Publishing. pp. 246-271. (Lecture Notes in Computer Science). [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*. Springer Verlag. pp. 295-312. (Lecture Notes in Computer Science). [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*. 89(3):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*. Springer Verlag. pp. 541-544. (Lecture Notes in Computer Science). [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*. Springer Verlag. pp. 40-52. (Lecture Notes in Computer Science). [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*. Springer Verlag. pp. 526-535. (Lecture Notes in Computer Science). [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*. 87(1):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*. 89(3):469-478. <https://doi.org/10.1007/s11265-017-1260-8>

Thankachan B, Sharma S, Turunen M, Linna J, Väättäjä 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*. Springer Verlag. pp. 485-487. (Lecture Notes in Computer Science). [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*. 89(3):445-455. <https://doi.org/10.1007/s11265-017-1239-5>

Galinina O, Andreev S, Balandin S, Koucheryavy Y, ed. 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*. Springer Verlag. (Lecture Notes in Computer Science). <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. Springer Verlag. pp. 233-244. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 183-190. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 333-345. (Lecture Notes in Computer Science). [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. 89(3):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. Springer Verlag. pp. 501-503. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 675-687. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 593-602. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 434-440. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 140-165. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 160-175. (Lecture Notes in Computer Science). [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. Springer. pp. 301-314. (Lecture Notes in Computer Science). [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. Springer. pp. 16-25. (Lecture Notes in Computer Science). [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. Springer. pp. 657-671. (Lecture Notes in Computer Science). [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, ed. 2017. *Wired/Wireless Internet Communications: 15th IFIP WG 6.2 International Conference, WWIC 2017, St. Petersburg, Russia, June 21–23, 2017, Proceedings*. Springer. (Lecture Notes in Computer Science). <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*. Springer Verlag. pp. 152-168. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. Springer International Publishing AG. pp. 372-382. (Lecture Notes in Computer Science). [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*. Springer International Publishing AG. pp. 339-348. (Lecture Notes in Computer Science). [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*. Springer International Publishing. pp. 440-450. (Lecture Notes in Computer Science). [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*. Springer International Publishing AG. pp. 453-464. (Lecture Notes in Computer Science). [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*. Springer International Publishing AG. pp. 217-229. (Lecture Notes in Computer Science). [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*. 146(1):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*. 85(1):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*. 346-347:180-197. <https://doi.org/10.1016/j.ins.2016.01.074>

Piipponen A, Valmari A. 2016. Constructing Minimal Coverability Sets. *Fundamenta Informaticae*. 143(3-4):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*. 12:62-76. <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. Springer Verlag. pp. 215-233. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 325-335. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 287-298. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 115-125. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 249-265. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 225-243. (Lecture Notes in Computer Science). [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. Springer International Publishing. pp. 192-204. (Lecture Notes in Computer Science). [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*. 40(1):43-51.

Aghababaeetafreschi 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*. Springer Verlag. pp. 297-308. (Lecture Notes in Computer Science). [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*. 84(3):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*. Springer Verlag. pp. 164-175. (Lecture Notes in Computer Science). [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*. Springer Verlag. pp. 18-30. (Lecture Notes in Computer Science). [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*. 27(2-3):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. Springer Verlag. pp. 381-388. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 239-248. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 102-108. (Lecture Notes in Computer Science). [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*. Springer Verlag. pp. 142-154. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 284-296. (Lecture Notes in Computer Science). [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*. Springer Verlag. pp. 341-342. (Lecture Notes in Computer Science).
- 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. Springer Verlag. pp. 571-579. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 225-230. (Lecture Notes in Computer Science). [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*. Institute of Electrical and Electronics Engineers Inc. pp. 56-65. <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*. Association for Computing Machinery, Inc. <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*. Springer Verlag. pp. 388-397. (Lecture Notes in Computer Science). [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, Lameris 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*. Springer Verlag. pp. 83-96. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)).

[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.* Springer Verlag. pp. 613-624. (Lecture Notes in Computer Science). [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, ed. 2015. *Application and Theory of Petri Nets and Concurrency: 36th International Conference, PETRI NETS 2015 Brussels, Belgium, June 21-26, 2015 Proceedings.* Springer Verlag. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). <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.* Springer Verlag. pp. 128-145. (Lecture Notes in Computer Science). [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.* Springer Verlag. pp. 312-328. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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).* Springer Verlag. pp. 22-34. (Lecture Notes in Computer Science). [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.* Springer Verlag. pp. 382-391. (Lecture Notes in Computer Science). [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).* Springer Verlag. pp. 12-26. (Lecture Notes in Computer Science). [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.* Springer Verlag. pp. 363-372. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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.* Springer Verlag. pp. 15-35. (Lecture Notes in Computer Science). [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).* Springer Verlag. pp. 356-369. (Lecture Notes in Computer Science). [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).* Springer Verlag. pp. 530-542. (Lecture Notes in Computer Science). [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*. Springer Verlag. pp. 633-636. (Lecture Notes in Computer Science). [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*. Springer Verlag. pp. 402-417. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. Springer Verlag. pp. 39-54. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. Springer Verlag. pp. 483-493. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. Springer. pp. 632-639. (Lecture Notes in Computer Science). [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*. Springer Verlag. pp. 462-469. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. Springer. pp. 640-647. (Lecture Notes in Computer Science). [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*. Springer Verlag. pp. 321-333. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. Springer Verlag. pp. 134-143. (Lecture Notes in Computer Science). [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)*. Springer Verlag. pp. 303-309. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. 260:200-208. <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*. Springer Verlag. pp. 208-215. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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. Springer Verlag. pp. 25-31. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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. Springer Verlag. pp. 431-443. (Lecture Notes in Computer Science). [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. Springer Verlag. pp. 118-136. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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 ed. Springer Verlag. pp. 366-377. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); PART 2). [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. Springer Verlag. pp. 308-323. (Lecture Notes in Computer Science). [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*. 43(1):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*. 8933:55-70.
- 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. Springer Verlag. pp. 84-94. (Lecture Notes in Computer Science). [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*. 43(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*. 73(2):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*. 10(4). <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*. 70(2):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 ed. Berlin, Germany: Springer. pp. 54-73. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); PART 3). [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*. 71(1):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*. pp. 349-358. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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*. pp. 308-319. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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* ed. pp. 202-209. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); PART 2). [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* ed. pp. 129-144. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); PART 1). [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*. 71(3):275-286. <https://doi.org/10.1007/s11265-012-0719-x>

Vanhala T, Surakka V, Curgeon M, Martin JC. 2012. Voluntary facial activations regulate physiological arousal and subjective experiences during virtual social stimulation. *ACM TRANSACTIONS ON APPLIED PERCEPTION*. 9(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*. 7282 LNCS(PART 1):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*. 66(3):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*. 7283 LNCS(PART 2):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*. 7283 LNCS(PART 2):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*. pp. 171-186. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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. pp. 269-282. (Lecture Notes in Computer Science). [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 ed. pp. 279-286. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); PART 2). [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. 7283 LNCS(PART 2):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. 63(2):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. 63(2):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. 63(1):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. 27(4). <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. 25(2):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. 25(2):128-139. <https://doi.org/10.1016/j.csl.2010.03.001>
- Leino J, Rähkä 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 ed. pp. 169-186. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); PART 3). [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 ed. pp. 770-783. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); PART 3). [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. pp. 70-81. <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. pp. 22-34. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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. pp. 205-212. <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 ed. pp. 296-305. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); PART 1). [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 ed. pp. 310-325. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); PART 2). [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. pp. 391-408. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). <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 ed. pp. 347-360. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); PART 4). [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 ed. pp. 487-498. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); PART 2). [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. pp. 355-371. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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 ed. pp. 588-598. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); PART 1). [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 ed. pp. 69-75. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); PART 3). [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*. 65(2):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. pp. 127-141. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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. pp. 171-185. (Lecture Notes in Computer Science). [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. pp. 110-124. (Lecture Notes in Computer Science). [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. 59(1):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. pp. 667-684. (Lecture Notes in Computer Science). [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. pp. 386-402. (Lecture Notes in Computer Science). [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 decompression for standard elliptic curves. In Public Key Infrastructure - 5th European PKI Workshop: Theory and Practice, EuroPKI 2008, Proceedings. pp. 134-149. (Lecture Notes in Computer Science). [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. pp. 376-389. (Lecture Notes in Computer Science).

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. pp. 126-137. (Lecture Notes in Computer Science).

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). pp. 540-549. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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. Springer Verlag. pp. 469-478. (Lecture Notes in Computer Science).

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). Springer Verlag. pp. 414-423. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [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. Gelbukh A, DeAlbornoz A, TerashimaMarin H, editors. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). Springer-Verlag, Berlin. pp. 415-424. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)). [https://doi.org/10.1007/11579427\\_42](https://doi.org/10.1007/11579427_42)

Rentto K, Korhonen I, Vätänen 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. Springer Netherlands. pp. 384-393.