

- 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, [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*, 53(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* (pp. 67-95). (Lecture Notes in Computer Science; Vol. 11900). Springer. 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* (pp. 244-271). (Lecture Notes in Computer Science; Vol. 11900). Springer. 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*, [104554]. <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 S. B. Gram-Hansen, T. S. Jonassen, & C. Midden (Eds.), *Persuasive Technology. Designing for Future Change - 15th International Conference on Persuasive Technology, PERSUASIVE 2020, Proceedings* (pp. 73-84). (Lecture Notes in Computer Science; Vol. 12064). Springer. 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, R. S., Sasao, T., Astola, J. T., & 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* (pp. 123-130). (Lecture Notes in Computer Science; Vol. 12013). Springer. https://doi.org/10.1007/978-3-030-45093-9_16
- Curcio, I. D. D., Monakhov, D., Hourunranta, A., & Aksu, E. B. (2020). Tile priorities in adaptive 360-degree video streaming. In T. McDaniel, S. Berretti, I. D. D. Curcio, & A. Basu (Eds.), *Smart Multimedia - 2nd International Conference, ICSM 2019, Revised Selected Papers* (pp. 212-223). (Lecture Notes in Computer Science; Vol. 12015 LNCS). Springer. 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., ... Visa, A. (2019). Programming languages for data-intensive HPC applications: A systematic mapping study. *Parallel Computing*, 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*, 21(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*, 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), [e5072]. <https://doi.org/10.1002/cpe.5072>
- San Juan Sebastián, P., Virtanen, T., Garcia-Molla, V. M., & Vidal, A. M. (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. In H. Söbke, M. Gentile, & M. Allegra (Eds.), *Games and Learning Alliance - 7th International Conference, GALA 2018, Proceedings* (pp. 167-177). (Lecture Notes in Computer Science; Vol. 11385). Springer Verlag. 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* (pp. 572-585). (Lecture Notes in Computer Science; Vol. 11660). Springer Verlag. 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* (pp. 342-354). (Lecture Notes in Computer Science; Vol. 11660). Springer Verlag. 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 V. M. Vishnevskiy, D. V. Kozyrev, K. E. Samouylov, & D. V. Kozyrev (Eds.), *Distributed Computer and Communication Networks - 22nd International Conference, DCCN 2019, Revised Selected Papers* (pp. 71-83). (Lecture Notes in Computer Science; Vol. 11965). Springer. 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* (pp. 34-52). (Lecture Notes in Computer Science; Vol. 11749). Springer Verlag. 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*, [104503]. <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* (pp. 118-128). (Lecture Notes in Computer Science; Vol. 11618). Springer Verlag. 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* (pp. 157-166). (Lecture Notes in Computer Science; Vol. 11385). Springer Verlag. 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 I. V. 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* (pp. 267-280). (Lecture Notes in Computer Science; Vol. 11729). Springer Verlag. 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 V. M. Vishnevskiy, D. V. Kozyrev, K. E. Samouylov, & D. V. Kozyrev (Eds.), *Distributed Computer and Communication Networks - 22nd International Conference, DCCN 2019, Revised Selected Papers* (pp. 607-615). (Lecture Notes in Computer Science; Vol. 11965). Springer. 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 C. V. Jawahar, K. Schindler, G. Mori, & H. Li (Eds.), *Computer Vision - ACCV 2018 - 14th Asian Conference on Computer Vision, Revised Selected Papers* (pp. 51-66). (Lecture Notes in Computer Science; Vol. 11362). Springer Verlag. 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, G. N. Yannakakis, M. Gentile, & M. Ninaus (Eds.), *Games and Learning Alliance- 8th International Conference, GALA 2019, Proceedings* (pp. 301-311). (Lecture Notes in Computer Science; Vol. 11899). Springer. 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* (pp. 282-294). (Lecture Notes in Computer Science; Vol. 11660). Springer Verlag. https://doi.org/10.1007/978-3-030-30859-9_24

Michalas, A., Bakas, A., Dang, H. V., & Zalitko, A. (2019). MicroSCOPE: Enabling access control in searchable encryption with the use of attribute-based encryption and SGX. In A. Askarov, R. R. Hansen, & W. Rafnsson (Eds.), *Secure IT Systems - 24th Nordic Conference, NordSec 2019, Proceedings* (pp. 254-270). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 11875 LNCS). Springer. 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 G. A. Fink, S. Frintrop, & X. Jiang (Eds.), *Pattern Recognition - 41st DAGM German Conference, DAGM GCPR 2019, Proceedings* (pp. 401-413). (Lecture Notes in Computer Science; Vol. 11824 LNCS). Springer. https://doi.org/10.1007/978-3-030-33676-9_28

Pirmagomedov, R., Ahmed, A. A., & 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* (pp. 415-423). (Lecture Notes in Computer Science; Vol. 11660). Springer Verlag. 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* (pp. 173-183). (Lecture Notes in Computer Science; Vol. 11482). Springer Verlag. 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* (pp. 325-333). (Lecture Notes in Computer Science; Vol. 11401). Springer Verlag. 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* (pp. 347-355). (Lecture Notes in Computer Science; Vol. 11496). Springer Verlag. 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* (pp. 100-138). (Lecture Notes in Computer Science; Vol. 10600). Springer Verlag. 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* (pp. 1-21). (Lecture Notes in Computer Science; Vol. 10600). Springer Verlag. https://doi.org/10.1007/978-3-030-14291-9_1

Pirmagomedov, R., Moltchanov, D., Ustinov, V., Saqib, M. N., & 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* (pp. 129-140). (Lecture Notes in Computer Science; Vol. 11618). Springer Verlag. 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* (pp. 16-27). (Lecture Notes in Computer Science; Vol. 11482). Springer Verlag. 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* (pp. 269-281). (Lecture Notes in Computer Science; Vol. 11660). Springer Verlag. 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. In I. V. 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* (pp. 275-287). (Lecture Notes in Computer Science; Vol. 11728). Springer Verlag. 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, G. N. Yannakakis, M. Gentile, & M. Ninaus (Eds.), *Games and Learning Alliance- 8th International Conference, GALA 2019, Proceedings* (pp. 103-113). (Lecture Notes in Computer Science ; Vol. 11899). Springer. https://doi.org/10.1007/978-3-030-34350-7_11

Gridin, I., Pereida García, C., Tuveri, N., & Brumley, B. B. (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* (pp. 330-350). (Lecture Notes in Computer Science; Vol. 11543). Springer Verlag. 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* (pp. 453-471). (Lecture Notes in Computer Science; Vol. 11747). Springer Verlag. 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., Nyländen, 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*. (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* (pp. 269-281). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 10866 LNCS). Springer Verlag. 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* (pp. 340-354). (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_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* (pp. 425-440). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 11214 LNCS). Springer Verlag. 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* (pp. 524-534). (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_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* (pp. 210-223). (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_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* (pp. 381-393). (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_35

Keranen, M., & Lauri, J. (2018). Computing minimum rainbow and strong rainbow colorings of block graphs. *Discrete Mathematics and Theoretical Computer Science*, 20(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* (pp. 57-66). (Lecture Notes in Computer Science; Vol. 11165). Springer. https://doi.org/10.1007/978-3-030-00767-6_6

Pautasso, C., Sánchez-Figueroa, F., Systä, K., & Rodríguez, J. M. M. (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, R. S., 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* (pp. 229-237). (Lecture Notes in Computer Science; Vol. 10672). Springer Verlag. 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* (Vol. 10544, pp. 48-60). (Lecture Notes in Computer Science; Vol. 10544). Springer Verlag. https://doi.org/10.1007/978-3-319-74433-9_4

Samuylov, A. K., Ivchenko, A. Y., Orlov, Y. N., Moltchanov, D. A., Bobrikova, E. V., Gaidamaka, Y. V., & Shorgin, V. S. (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* (pp. 224-235). (Lecture Notes in Computer Science; Vol. 11118). Springer. 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* (pp. 92-107). (Lecture Notes in Computer Science; Vol. 10544). Springer Verlag. https://doi.org/10.1007/978-3-319-74433-9_8

Aldaya, A. C., Brumley, B. B., Sarmiento, A. J. C., & 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, S. S. (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, S. S., & Lilius, J. (2018). Model-Based Representations for Dataflow Schedules. In *Principles of Modeling* (pp. 88-105). (Lecture Notes in Computer Science; Vol. 10760). Springer Verlag. https://doi.org/10.1007/978-3-319-95246-8_6

Oliveira, S. M. D., Bahrudeen, M. N. M., Startceva, S., Kandavalli, V., & Ribeiro, A. S. (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* (pp. 3-20). (Lecture Notes in Bioinformatics; Vol. 11095 LNBI). Springer Verlag. https://doi.org/10.1007/978-3-319-99429-1_1

Schoeffmann, K., Chalidabhongse, T. H., Ngo, C. W., Aramvith, S., O'Connor, N. E., Ho, Y. S., ... 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, Y. S., O'Connor, N. E., Chalidabhongse, T., Schoeffmann, K., Ngo, C. W., ... 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., ... 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., Foufou, 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* (pp. 155-166). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 11277 LNCS). Springer Verlag. https://doi.org/10.1007/978-3-030-02849-7_14

D'Agostino, A. M., 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* (pp. 405-418). (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_37

Nurmi, J., & Niemelä, M. S. (2018). PESTEL Analysis of Hacktivism Campaign Motivations. In *Secure IT Systems - 23rd Nordic Conference, NordSec 2018* (pp. 323-335). (Lecture Notes in Computer Science; Vol. 11252). Springer Verlag. 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* (pp. 520-538). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 11195 LNCS). Springer Verlag. https://doi.org/10.1007/978-3-030-02131-3_46

Curcio, I. D. D., 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* (pp. 417-428). (Lecture Notes in Computer Science; Vol. 11010). Springer. 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, M. M., & Gabbouj, M. (2017). Row-interleaved sampling for depth-enhanced 3d video coding for polarized displays. *ACM TRANSACTIONS ON APPLIED PERCEPTION*, 14(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. Lazic (Eds.), *Concurrency, Security, and Puzzles: Essays Dedicated to Andrew William Roscoe on the Occasion of His 60th Birthday* (pp. 104-123). (Lecture Notes in Computer Science; Vol. 10160). Springer International Publishing. 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. Lazic (Eds.), *Concurrency, Security, and Puzzles: Essays Dedicated to Andrew William Roscoe on the Occasion of His 60th Birthday* (pp. 246-271). (Lecture Notes in Computer Science; Vol. 10160). Springer International Publishing. 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* (pp. 295-312). (Lecture Notes in Computer Science; Vol. 10513). Springer Verlag. https://doi.org/10.1007/978-3-319-67744-6_20
- Blattner, T., Keyrouz, W., Bhattacharyya, S. S., 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., ... 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* (pp. 541-544). (Lecture Notes in Computer Science; Vol. 10474). Springer Verlag. 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* (pp. 40-52). (Lecture Notes in Computer Science; Vol. 10531). Springer Verlag. 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* (pp. 526-535). (Lecture Notes in Computer Science; Vol. 10531). Springer Verlag. https://doi.org/10.1007/978-3-319-67380-6_49
- Barford, L., Bhattacharyya, S. S., & 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* (pp. 485-487). (Lecture Notes in Computer Science; Vol. 10516). Springer Verlag. https://doi.org/10.1007/978-3-319-68059-0_56
- Kim, S. C., & Bhattacharyya, S. S. (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. (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* (pp. 233-244). (Lecture Notes in Computer Science; Vol. 10270). Springer Verlag. 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* (pp. 183-190). (Lecture Notes in Computer Science; Vol. 10568). Springer Verlag. 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* (pp. 333-345). (Lecture Notes in Computer Science; Vol. 10392). Springer Verlag. https://doi.org/10.1007/978-3-319-62389-4_28
- Li, K., Ghazi, A., Tarver, C., Boutellier, J., Abdelaziz, M., Anttila, L., ... Cavallaro, J. R. (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., ... 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* (pp. 501-503). (Lecture Notes in Computer Science; Vol. 10516). Springer Verlag. 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* (pp. 675-687). (Lecture Notes in Computer Science; Vol. 10617). Springer Verlag. 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* (pp. 593-602). (Lecture Notes in Computer Science; Vol. 10635). Springer Verlag. 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* (pp. 434-440). (Lecture Notes in Computer Science; Vol. 10474). Springer Verlag. 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* (pp. 140-165). (Lecture Notes in Computer Science; Vol. 10470). Springer Verlag. 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* (pp. 160-175). (Lecture Notes in Computer Science; Vol. 10506). Springer Verlag. 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* (pp. 301-314). (Lecture Notes in Computer Science; Vol. 10394). Springer. https://doi.org/10.1007/978-3-319-64701-2_22

Orlov, Y., Kirina-Lilinskaya, E., Samuylov, A., Ometov, A., Moltchanov, D., Gaimamaka, Y., ... 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* (pp. 16-25). (Lecture Notes in Computer Science; Vol. 10372). Springer. https://doi.org/10.1007/978-3-319-61382-6_2

Nurmi, J., & Niemelä, M. S. (2017). Tor de-anonymisation techniques. In *Network and System Security: 11th International Conference, NSS 2017, Helsinki, Finland, August 21–23, 2017, Proceedings* (pp. 657-671). (Lecture Notes in Computer Science; Vol. 10394). Springer. https://doi.org/10.1007/978-3-319-64701-2_52

Koucheryavy, Y., Mamatras, 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, pp. 152-168). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 10014 LNCS). Springer Verlag. 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* (pp. 372-382). (Lecture Notes in Computer Science; Vol. 9870). Springer International Publishing AG. 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, pp. 339-348). (Lecture Notes in Computer Science; Vol. 9870). Springer International Publishing AG. 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* (pp. 440-450). (Lecture Notes in Computer Science; Vol. 9870). Springer International Publishing. 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* (pp. 453-464). (Lecture Notes in Computer Science; Vol. 9870). Springer International Publishing AG. 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* (pp. 217-229). (Lecture Notes in Computer Science; Vol. 9870). Springer International Publishing AG. 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., Mylly, M., Turpeinen, T., ... 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* (pp. 215-233). (Lecture Notes in Computer Science; Vol. 9856). Springer Verlag. 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* (pp. 325-335). (Lecture Notes in Computer Science; Vol. 9735). Springer Verlag. 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* (pp. 287-298). (Lecture Notes in Computer Science; Vol. 9820). Springer Verlag. 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* (pp. 115-125). (Lecture Notes in Computer Science; Vol. 9820). Springer Verlag. https://doi.org/10.1007/978-3-319-44421-5_9
- Yaman, S. G., 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* (pp. 249-265). (Lecture Notes in Computer Science; Vol. 9619). Springer Verlag. 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* (pp. 225-243). (Lecture Notes in Computer Science; Vol. 9641). Springer Verlag. https://doi.org/10.1007/978-3-319-32582-8_16
- Bhattacharya, S., Fan, L., Babahajani, P., & Gabbouj, M. (2016). Global scale integral volumes. In *Computer Vision - ECCV 2016 Workshops, Proceedings* (Vol. 9913, pp. 192-204). (Lecture Notes in Computer Science; Vol. 9913). Springer International Publishing. https://doi.org/10.1007/978-3-319-46604-0_14
- Voutilainen, J. P., Mattila, A. L., Systä, K., & Mikkonen, T. (2016). HTML5-based mobile agents for Web-of-Things. *Informatica*, 40(1), 43-51.

Aghababaeetafreshi, M., Lehtonen, L. K., 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., ... 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, pp. 297-308). (Lecture Notes in Computer Science; Vol. 9674). Springer Verlag. https://doi.org/10.1007/978-3-319-33936-8_23

Chukhman, I., Jiao, Y., Salem, H. B., & Bhattacharyya, S. S. (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* (pp. 164-175). (Lecture Notes in Computer Science; Vol. 9820). Springer Verlag. 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* (pp. 18-30). (Lecture Notes in Computer Science; Vol. 9847). Springer Verlag. 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* (pp. 381-388). (Lecture Notes in Computer Science; Vol. 9671). Springer Verlag. 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* (pp. 239-248). (Lecture Notes in Computer Science; Vol. 9716). Springer Verlag. 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* (pp. 102-108). (Lecture Notes in Computer Science; Vol. 10027). Springer Verlag. 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* (pp. 142-154). (Lecture Notes in Computer Science; Vol. 9881). Springer Verlag. 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* (pp. 284-296). (Lecture Notes in Computer Science; Vol. 9674). Springer Verlag. https://doi.org/10.1007/978-3-319-33936-8_22

Goncalves, N., Oliveira, S. M. D., Kandavalli, V. K., Fonseca, J. M., & 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* (pp. 341-342). (Lecture Notes in Computer Science; Vol. 9859). Springer Verlag.

- 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* (pp. 571-579). (Lecture Notes in Computer Science; Vol. 10027). Springer Verlag. 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* (pp. 225-230). (Lecture Notes in Computer Science; Vol. 9976). Springer Verlag. 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, pp. 56-65). Institute of Electrical and Electronics Engineers Inc.. <https://doi.org/10.1145/2804360.2804367>
- Ahmadi, R., Leino, K. R. M., & 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. <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* (pp. 388-397). (Lecture Notes in Computer Science; Vol. 9012). Springer Verlag. https://doi.org/10.1007/978-3-319-15705-4_38
- Arnab, S., Ger, P. M., Lim, T., Lameris, P., Hendrix, M., Kiili, K., ... 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, pp. 83-96). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 9221). Springer Verlag. 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* (pp. 613-624). (Lecture Notes in Computer Science; Vol. 9386). Springer Verlag. 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). 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* (pp. 128-145). (Lecture Notes in Computer Science; Vol. 9128). Springer Verlag. 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, pp. 312-328). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 9259). Springer Verlag. https://doi.org/10.1007/978-3-319-22264-6_20
- Brumley, B. B. (2015). Cache storage attacks. In *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)* (pp. 22-34). (Lecture Notes in Computer Science; Vol. 9048). Springer Verlag. https://doi.org/10.1007/978-3-319-16715-2_2
- Murthy, G. R., & Saramäki, T. (2015). Complex transforms. In *Mining Intelligence and Knowledge Exploration: Third International Conference, MIKE 2015, Hyderabad, India, December 9-11, 2015, Proceedings* (pp. 382-391). (Lecture Notes in Computer Science; Vol. 9468). Springer Verlag. 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)* (pp. 12-26). (Lecture Notes in Computer Science; Vol. 8629). Springer Verlag. https://doi.org/10.1007/978-3-662-46338-3_2

Lihavainen, E., Mäkelä, J., Spelbrink, J. N., & Ribeiro, A. S. (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, pp. 363-372). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 9280). Springer Verlag. https://doi.org/10.1007/978-3-319-23234-8_34

Rauti, S., Laurén, S., Hosseinzadeh, S., Mäkelä, J. M., Hyrynsalmi, S., & Leppänen, V. (2015). Diversification of system calls in linux binaries. In *Trusted Systems - 6th International Conference, INTRUST 2014, Revised Selected Papers* (pp. 15-35). (Lecture Notes in Computer Science; Vol. 9473). Springer Verlag. 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)* (pp. 356-369). (Lecture Notes in Computer Science; Vol. 9095). Springer Verlag. 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)* (pp. 530-542). (Lecture Notes in Computer Science; Vol. 9127). Springer Verlag. 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* (pp. 633-636). (Lecture Notes in Computer Science; Vol. 9299). Springer Verlag. https://doi.org/10.1007/978-3-319-22723-8_80

Räihä, K. J. (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, pp. 402-417). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 9296). Springer Verlag. 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, pp. 39-54). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 9049). Springer Verlag. 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, pp. 483-493). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 9280). Springer Verlag. https://doi.org/10.1007/978-3-319-23234-8_45

Stanković, R. S., Astola, J. T., 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* (pp. 632-639). (Lecture Notes in Computer Science; Vol. 9520). Springer. 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, pp. 462-469). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 9237). Springer Verlag. 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* (pp. 640-647). (Lecture Notes in Computer Science; Vol. 9520). Springer. 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, pp. 321-333). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 9248). Springer Verlag. 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* (pp. 134-143). (Lecture Notes in Computer Science; Vol. 9114). Springer Verlag. 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, pp. 303-309). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 9287). Springer Verlag. 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 tactions. In *Haptics: Neuroscience, Devices, Modeling, and Applications - 9th International Conference, EuroHaptics 2014, Proceedings* (Vol. 8618, pp. 208-215). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 8618). Springer Verlag. 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, pp. 25-31). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 8618). Springer Verlag. https://doi.org/10.1007/978-3-662-44193-0_4

Altarawneh, R., Steiner, M., Taibi, D., Humayoun, S. R., & 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, pp. 431-443). (Lecture Notes in Computer Science; Vol. 8696). Springer Verlag. 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, pp. 118-136). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 8462 LNCS). Springer Verlag. 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., Vol. 8526 LNCS, pp. 366-377). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 8526 LNCS, No. PART 2). Springer Verlag. 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* (pp. 308-323). (Lecture Notes in Computer Science; Vol. 8627). Springer Verlag. 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* (Vol. 8445, pp. 84-94). (Lecture Notes in Computer Science; Vol. 8445 LNCS). Springer Verlag. 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), [24]. <https://doi.org/10.1145/2536764.2536771>

Zaki, G. F., Plishker, W., Bhattacharyya, S. S., 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>

Väättäjä, 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., Vol. 8119 LNCS, pp. 54-73)*. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 8119 LNCS, No. PART 3). Berlin, Germany: Springer. 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* (Vol. 8057 LNCS, pp. 349-358). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 8057 LNCS). https://doi.org/10.1007/978-3-642-40131-2_31

Hakulinen, J., Turunen, M., Heimonen, T., Keskinen, T., Sand, A., Paavilainen, 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, pp. 308-319). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 8253 LNCS). https://doi.org/10.1007/978-3-319-03161-3_22

Heimonen, T., Hakulinen, J., Turunen, M., Jokinen, J. P. P., 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., Vol. 8118 LNCS, pp. 202-209)*. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 8118 LNCS, No. PART 2). 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., Vol. 8188 LNAI, pp. 129-144). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 8188 LNAI, No. PART 1). https://doi.org/10.1007/978-3-642-40988-2_9
- Wang, L. H., Shen, C. C., Wu, S., & Bhattacharyya, S. S. (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., Courgeon, M., & Martin, J. C. (2012). Voluntary facial activations regulate physiological arousal and subjective experiences during virtual social stimulation. *ACM TRANSACTIONS ON APPLIED PERCEPTION*, 9(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*, 7282 LNCS(PART 1), 383-394. https://doi.org/10.1007/978-3-642-31401-8_35
- Kee, H., Shen, C. C., Bhattacharyya, S. S., 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
- 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
- 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, pp. 171-186). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 7178 LNCS). https://doi.org/10.1007/978-3-642-27954-6_11
- Brumley, B. B. (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, pp. 269-282). (Lecture Notes in Computer Science; Vol. 7127 LNCS). https://doi.org/10.1007/978-3-642-27937-9_19
- Keskinen, T., Heimonen, T., Turunen, M., Rajaniemi, J. P., & 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., Vol. 7383 LNCS, pp. 279-286). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 7383 LNCS, No. PART 2). 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
- Bhattacharyya, S. S., Eker, J., Janneck, J. W., 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, V. M., & 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, J. W., Raulet, M., & Bhattacharyya, S. S. (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), [045003]. <https://doi.org/10.1088/0266-5611/27/4/045003>
- Turunen, M., Hakulinen, J., Ståhl, O., Gambäck, B., Hansen, P., Rodríguez Gancedo, M. C., ... 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., Räihä, K. J., & 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., Vol. 6948 LNCS, pp. 169-186). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 6948 LNCS, No. PART 3). 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., Vol. 6494 LNCS, pp. 770-783). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 6494 LNCS, No. PART 3). https://doi.org/10.1007/978-3-642-19318-7_60
- Wu, H. H., Shen, C. C., Sane, N., Plishker, W., & Bhattacharyya, S. S. (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). [6008822] <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, pp. 22-34). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 6963 LNCS). 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). [5992128] <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., Vol. 6974 LNCS, pp. 296-305). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 6974 LNCS, No. PART 1). 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., Vol. 6912 LNAI, pp. 310-325). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 6912 LNAI, No. PART 2). https://doi.org/10.1007/978-3-642-23783-6_20
- Plishker, W., Sane, N., Kiemb, M., & Bhattacharyya, S. S. (2011). Heterogeneous design in functional DIF. In *Transactions on High-Performance Embedded Architectures and Compilers IV* (Vol. 6760 LNCS, pp. 391-408). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 6760 LNCS). <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., Vol. 6495 LNCS, pp. 347-360). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 6495 LNCS, No. PART 4). 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., Vol. 7095 LNAI, pp. 487-498). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 7095 LNAI, No. PART 2). 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, pp. 355-371). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 6879 LNCS). 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., Vol. 6974 LNCS, pp. 588-598). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 6974 LNCS, No. PART 1). 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., Vol. 6763 LNCS, pp. 69-75). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 6763 LNCS, No. PART 3). https://doi.org/10.1007/978-3-642-21616-9_8
- Sane, N., Kee, H., Seetharaman, G., & Bhattacharyya, S. S. (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, K. J. (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, pp. 127-141). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 6431 LNCS). https://doi.org/10.1007/978-3-642-19641-6_9
- Brumley, B. B., Hakala, R. M., 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; Vol. 6476). https://doi.org/10.1007/978-3-642-17650-0_13
- Acliçmez, O., Brumley, B. B., & 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; Vol. 6225). https://doi.org/10.1007/978-3-642-15031-9_8
- Brumley, B. B., & Jarvinen, K. U. (2010). Conversion algorithms and implementations for koblitz curve cryptography. *IEEE Transactions on Computers*, 59(1), 81-92. [5255226]. <https://doi.org/10.1109/TC.2009.132>
- Brumley, B. B., & Hakala, R. M. (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; Vol. 5912). https://doi.org/10.1007/978-3-642-10366-7_39

- Brumley, B. B., & 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; Vol. 5580). https://doi.org/10.1007/978-3-642-02384-2_24
- Brumley, B. B., & Järvinen, K. U. (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; Vol. 5057). https://doi.org/10.1007/978-3-540-69485-4_10
- Brumley, B. B., & 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; Vol. 4779).
- Brumley, B. B., & 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; Vol. 4876).
- 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, pp. 540-549). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 4827 LNAI). https://doi.org/10.1007/978-3-540-76631-5_51
- Brumley, B. B. (2006). Left-to-right signed-bit τ -adic representations of n integers. In *Information and Communications Security - 8th International Conference, ICICS 2006, Proceedings* (pp. 469-478). (Lecture Notes in Computer Science; Vol. 4307). Springer Verlag.
- 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, pp. 414-423). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 3971 LNCS). Springer Verlag. 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, pp. 415-424). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Vol. 3789 LNAI). Springer-Verlag, Berlin. 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, pp. 384-393). Springer Netherlands.