

Grigore, Vlad et al. "Dynamics of a buck converter with a constant power load". *PESC 1998 - 29th Annual IEEE Power Electronics Specialists Conference*. PESC Record - IEEE Annual Power Electronics Specialists Conference. Institute of Electrical and Electronics Engineers Inc. 1998, 72-78. <https://doi.org/10.1109/PESC.1998.701881>

Korhonen, H. M E, Jussi Heikkilä ja Jon M. Törnwall. "A simulation case study of production planning and control in printed wiring board manufacturing". *Winter Simulation Conference Proceedings*. 2001, 2. 844-847.

Mäki-Jaskari, Matti A. ja Tapio T. Rantala. "Possible structures of nonstoichiometric tin oxide: The composition Sn<sub>2</sub>O<sub>3</sub>". *Modelling and Simulation in Materials Science and Engineering*. 2004, 12(1). 33-41. <https://doi.org/10.1088/0965-0393/12/1/004>

Emmert-Streib, Frank. "Algorithmic computation of knot polynomials of secondary structure elements of proteins". *Journal of Computational Biology*. 2006, 13(8). 1503-1512. <https://doi.org/10.1089/cmb.2006.13.1503>

Coatanéa, Eric et al. "Measurement theory and dimensional analysis: Methodological impact on the comparison and evaluation process". *19th International Conference on Design Theory and Methodology and 1st International Conference on Micro and Nano Systems, presented at - 2007 ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference, IDETC/CIE2007*. AMER SOC MECHANICAL ENGINEERS. 2008, 173-182. <https://doi.org/10.1115/DETC2007-34364>

Emmert-Streib, Frank ja Matthias Dehmer. "Information processing in the transcriptional regulatory network of yeast: Functional robustness". *BMC Systems Biology*. 2009. 3. <https://doi.org/10.1186/1752-0509-3-35>

Acimovic, Jugoslava *Neural networks, cell cultures and some older work on data analysis..* 2009.

Emmert-Streib, Frank ja Matthias Dehmer. "Hierarchical coordination of periodic genes in the cell cycle of *Saccharomyces cerevisiae*". *BMC Systems Biology*. 2009. 3. <https://doi.org/10.1186/1752-0509-3-76>

Coatanéa, Eric et al. "A framework for building behavioral models for design-stage failure identification using dimensional analysis". *Proceedings of the ASME Design Engineering Technical Conference*. AMER SOC MECHANICAL ENGINEERS. 2010, 591-601. <https://doi.org/10.1115/DETC2010-28864>

Lavazza, Luigi et al. "Applying SCRUM in an OSS development process: An empirical evaluation". *Agile Processes in Software Engineering and Extreme Programming - 11th International Conference, XP 2010, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2010, 147-159. [https://doi.org/10.1007/978-3-642-13054-0\\_11](https://doi.org/10.1007/978-3-642-13054-0_11)

Emmert-Streib, F. ja G. Altay. "Local network-based measures to assess the inferability of different regulatory networks". *IET Systems Biology*. 2010, 4(4). 277-288. <https://doi.org/10.1049/iet-syb.2010.0028>

Altay, Gökmen ja Frank Emmert-Streib. "Inferring the conservative causal core of gene regulatory networks". *BMC Systems Biology*. 2010. 4. <https://doi.org/10.1186/1752-0509-4-132>

Lavazza, Luigi et al. "OP2A: How to improve the quality of the web portal of open source software products". *Web Information Systems and Technologies - 7th International Conference, WEBIST 2011, Revised Selected Papers*. Lecture Notes in Business Information Processing. Springer Verlag. 2011, 149-162. <https://doi.org/10.1007/978-3-642-28082-5-11>

Sane, Nimish et al. "Topological patterns for scalable representation and analysis of dataflow graphs". *Journal of Signal Processing Systems*. 2011, 65(2). 229-244. <https://doi.org/10.1007/s11265-011-0610-1>

Thanisch, Peter et al. "Using the entity-attribute-value model for olap cube construction". *Perspectives in Business Informatics Research - 10th International Conference, BIR 2011, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2011, 59-72. [https://doi.org/10.1007/978-3-642-24511-4\\_5](https://doi.org/10.1007/978-3-642-24511-4_5)

Gu, Ruirui et al. "Exploiting statically schedulable regions in dataflow programs". *Journal of Signal Processing Systems*. 2011, 63(1). 129-142. <https://doi.org/10.1007/s11265-009-0445-1>

Emmert-Streib, F. ja M. Dehmer. "Networks for systems biology: Conceptual connection of data and function". *IET Systems Biology*. 2011, 5(3). 185-207. <https://doi.org/10.1049/iet-syb.2010.0025>

Bhattacharyya, Shuvra S. et al. "Overview of the MPEG reconfigurable video coding framework". *Journal of Signal Processing Systems*. 2011, 63(2). 251-263. <https://doi.org/10.1007/s11265-009-0399-3>

Emmert-Streib, Frank ja Galina V. Glazko. "Pathway analysis of expression data: Deciphering functional building blocks of complex diseases". *PLoS Computational Biology*. 2011. 7(5). <https://doi.org/10.1371/journal.pcbi.1002053>

Boutellier, Jani et al. "Quasi-static scheduling of CAL actor networks for reconfigurable video coding". *Journal of Signal Processing Systems*. 2011, 63(2). 191-202. <https://doi.org/10.1007/s11265-009-0389-5>

Altay, Gökmen ja Frank Emmert-Streib. "Structural influence of gene networks on their inference: Analysis of C3NET". *Biology Direct*. 2011. 6. <https://doi.org/10.1186/1745-6150-6-31>

Min, Jin et al. "A hybrid optimization grey model based on segmented gra and multi-strategy contest for short-term power load forecasting". *JOURNAL OF GREY SYSTEM*. 2012, 24(1). 15-28.

Lu, Wenhui, Zheyang Zhang ja Jyrki Nummenmaa "Characterizing trustworthy digital rights exporting". *Perspectives in Business Informatics Research - 11th International Conference, BIR 2012, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2012, 85-95. [https://doi.org/10.1007/978-3-642-33281-4\\_7](https://doi.org/10.1007/978-3-642-33281-4_7)

Kee, Hojin et al. "Mapping parameterized cyclo-static dataflow graphs onto configurable hardware". *Journal of Signal Processing Systems*. 2012, 66(3). 285-301. <https://doi.org/10.1007/s11265-011-0599-5>

Bakhouya, Mohamed et al. "Performance evaluation of a flow control algorithm for network-on-chip". *Proceedings of the 2012 International Conference on High Performance Computing and Simulation, HPCS 2012*. 2012, 281-287. <https://doi.org/10.1109/HPCSim.2012.6266925>

Nylander, Teemu et al. "Reconfigurable miniature sensor nodes for condition monitoring". *Proceedings - 2012 International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation, IC-SAMOS 2012*. 2012, 113-119. <https://doi.org/10.1109/SAMOS.2012.6404164>

Hyrnsalmi, Sami et al. "Revenue models of application developers in android market ecosystem". *Software Business - Third International Conference, ICSOB 2012, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2012, 209-222. [https://doi.org/10.1007/978-3-642-30746-1\\_17](https://doi.org/10.1007/978-3-642-30746-1_17)

Tauriainen, M. et al. "The development of constructability using BIM as an intensifying technology". *eWork and eBusiness in Architecture, Engineering and Construction - Proceedings of the European Conference on Product and Process Modelling 2012, ECPPM 2012*. 2012, 713-716.

Niinimäki, Marko et al. "Timely report production from WWW data sources". *Workshops on Business Informatics Research, BIR 2011 International Workshops and Doctoral Consortium, Revised Selected Papers*. Lecture Notes in Business Information Processing. Springer Verlag. 2012, 184-195. <https://doi.org/10.1007/978-3-642-29231-6-15>

Halonen, Aki et al. "Towards usability heuristics for games utilizing speech recognition". *4th Asian Conference on Intelligent Games and Simulation, GAME-ON ASIA 2012 - 4th Asian Simulation Technology Conference, ASTEC 2012*. EUROSIS. 2012, 51-55.

Pereira, Dulce G. et al. "A comparison between joint regression analysis and the AMMI model: A case study with barley". *JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION*. 2012, 82(2). 193-207. <https://doi.org/10.1080/00949655.2011.615839>

de Matos Simoes, Ricardo, Shailesh Tripathi, ja Frank Emmert-Streib. "Organizational structure and the periphery of the gene regulatory network in B-cell lymphoma.". *BMC Systems Biology*. 2012. 6. <https://doi.org/10.1186/1752-0509-6-38>

Kalimeri, Maria et al. "Entropy analysis of word-length series of natural language texts: Effects of text language and genre" . *INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS*. 2012. 22(9). <https://doi.org/10.1142/S0218127412502239>

Kouhia, Reijo et al. "Implementation of a direct procedure for critical point computations using preconditioned iterative solvers". *Computers & Structures*. 2012, 108-109. 110-117. <https://doi.org/10.1016/j.compstruc.2012.02.009>

Emmert-Streib, Frank, Shailesh Tripathi ja Ricardo D. Matos Simoes. "Harnessing the complexity of gene expression data from cancer: From single gene to structural pathway methods". *Biology Direct*. 2012. 7. <https://doi.org/10.1186/1745-6150-7-44>

Boutellier, Jani, Mickaël Raulet ja Olli Silvén. "Automatic hierarchical discovery of quasi-static schedules of RVC-CAL dataflow programs". *Journal of Signal Processing Systems*. 2013, 71(1). 35-40. <https://doi.org/10.1007/s11265-012-0676-4>

Wang, Lai Huei et al. "Parameterized scheduling of topological patterns in signal processing dataflow graphs". *Journal of Signal Processing Systems*. 2013, 71(3). 275-286. <https://doi.org/10.1007/s11265-012-0719-x>

Desnos, Karol et al. "PiMM: Parameterized and interfaced dataflow meta-model for MPSoCs runtime reconfiguration". *Proceedings - 2013 International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation, IC-SAMOS 2013*. IEEE COMPUTER SOCIETY PRESS. 2013, 41-48. <https://doi.org/10.1109/SAMOS.2013.6621104>

Ogeya, Mbeo Calvince, Eric Coatanéa ja Galina Medyna "Theory driven design and real proto typing of biomass pyrolytic stove". *Proceedings of the International Conference on Engineering Design, ICED*. 2013, 69-78.

Mokammel, Faisal et al. "Towards an approach for evaluating the quality of requirements". *33rd Computers and Information in Engineering Conference*. American Society of Mechanical Engineers. 2013. <https://doi.org/10.1115/DETC2013-13708>

Zaki, George F. et al. "Integration of dataflow-based heterogeneous multiprocessor scheduling techniques in GNU radio". *Journal of Signal Processing Systems*. 2013, 70(2). 177-191. <https://doi.org/10.1007/s11265-012-0696-0>

Taylor, Jonathon et al. "Using building simulation to model the drying of flooded building archetypes". *JOURNAL OF BUILDING PERFORMANCE SIMULATION*. 2013, 6(2). 119-140. <https://doi.org/10.1080/19401493.2012.703243>

Rodrigues, Paulo C. ja Miguel de Carvalho. "Spectral modeling of time series with missing data". *Applied Mathematical Modelling*. 2013, 37(7). 4676-4684. <https://doi.org/10.1016/j.apm.2012.09.040>

Boutellier, Jani ja Olli Silvén. "Towards generic embedded multiprocessing for RVC-CAL dataflow programs". *Journal of Signal Processing Systems*. 2013, 73(2). 137-142. <https://doi.org/10.1007/s11265-013-0737-3>

Saintsing, Christy D., Benjamin S. Cook ja Manos M. Tentzeris "An origami inspired reconfigurable spiral antenna". *38th Mechanisms and Robotics Conference*. The American Society of Mechanical Engineers ASME. 2014. <https://doi.org/10.1115/DETC201435353>

Coatanéa, Eric et al. "Graph based representation and analyses for conceptual stages". *34th Computers and Information in Engineering Conference*. The American Society of Mechanical Engineers ASME. 2014. <https://doi.org/10.1115/DETC201435652>

Marinho, Paulo et al. "Preoperative simulation for the planning of microsurgical clipping of intracranial aneurysms". *SIMULATION IN HEALTHCARE*. 2014, 9(6). 370-376. <https://doi.org/10.1097/SIH.0000000000000056>

Takalo, Reijo et al. "Adaptive autoregressive model for reduction of noise in SPECT". *Computational and Mathematical Methods in Medicine*. 2015. 2015. <https://doi.org/10.1155/2015/494691>

Pertilä, Pasi ja Joonas Nikunen. "Distant speech separation using predicted time-frequency masks from spatial features". *Speech Communication*. 2015, 68. 97-106. <https://doi.org/10.1016/j.specom.2015.01.006>

Lenarduzzi, Valentina et al. "Functional size measures and effort estimation in agile development: A replicated study". *Agile Processes, in Software Engineering, and Extreme Programming - 16th International Conference, XP 2015, Proceedings*. Lecture Notes in Business Information Processing. Springer-Verlag Berlin Heidelberg. 2015, 105-116. [https://doi.org/10.1007/978-3-319-18612-2\\_9](https://doi.org/10.1007/978-3-319-18612-2_9)

Järvi, Antero, Ville Taajamaa, ja Sami Hyrynsalmi "Lean software startup – an experience report from an entrepreneurial software business course". *Software Business - 6th International Conference, ICSOB 2015, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2015, 230-244. [https://doi.org/10.1007/978-3-319-19593-3\\_21](https://doi.org/10.1007/978-3-319-19593-3_21)

Lu, Wenhui, Jyrki Nummenmaa ja Zheyang Zhang "Passive condition pre-enforcement for rights exporting". *Perspectives in Business Informatics Research - 14th International Conference, BIR 2015, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2015, 241-254. [https://doi.org/10.1007/978-3-319-21915-8\\_16](https://doi.org/10.1007/978-3-319-21915-8_16)

Tauriainen, M. et al. "The assessment of constructability: BIM cases". *eWork and eBusiness in Architecture, Engineering and Construction - Proceedings of the 10th European Conference on Product and Process Modelling, ECPPM 2014*. CRC Press/Balkema. 2015, 55-61.

Hokkanen, Laura ja Kaisa Väänänen-Vainio-Mattila "UX work in startups: Current practices and future needs". *Agile Processes in Software Engineering and Extreme Programming: 16th International Conference, XP 2015, Helsinki, Finland, May 25-29, 2015, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2015, 81-92. [https://doi.org/10.1007/978-3-319-18612-2\\_7](https://doi.org/10.1007/978-3-319-18612-2_7)

Hyrynsalmi, Sami et al. "Wealthy, healthy and/or happy —what does 'ecosystem health' stand for?". *6th International Conference on Software Business, ICSOB 2015; Braga; Portugal; 10 June 2015 through 12 June 2015*. Lecture Notes in Business Information Processing. Springer Verlag. 2015, 272-287. [https://doi.org/10.1007/978-3-319-19593-3\\_24](https://doi.org/10.1007/978-3-319-19593-3_24)

Nix, Emily et al. "Employing a multi-Objective robust optimisation method for healthy and low-energy dwelling design in Delhi, India". *Proceedings of the 2014 Building Simulation and Optimization Conference*. 2015, 2093-2100.

Di Gironimo, G. et al. "Iterative and Participative Axiomatic Design Process in complex mechanical assemblies: case study on fusion engineering". *International Journal on Interactive Design and Manufacturing*. 2015, 9(4). 325-338. <https://doi.org/10.1007/s12008-015-0270-7>

Blavatska, V. ja R. Metzler. "Conformational properties of complex polymers: Rosette versus star-like structures". *Journal of Physics A: Mathematical and Theoretical*. 2015. 48(13). <https://doi.org/10.1088/1751-8113/48/13/135001>

Koivisto, Antti J. et al. "Workplace performance of a loose-fitting powered air purifying respirator during nanoparticle synthesis". *Journal of Nanoparticle Research*. 2015. 17(4). <https://doi.org/10.1007/s11051-015-2990-9>

Matos Simoes, Ricardo de et al. "Urothelial cancer gene regulatory networks inferred from large-scale RNAseq, Bead and Oligo gene expression data". *BMC Systems Biology*. 2015. 9. <https://doi.org/10.1186/s12918-015-0165-z>

Krüsemann, Henning, Aljaž Godec ja Ralf Metzler. "Ageing first passage time density in continuous time random walks and quenched energy landscapes". *Journal of Physics A: Mathematical and Theoretical*. 2015. 48(28). <https://doi.org/10.1088/1751-8113/48/28/285001>

Levin, Marcus et al. "Influence of relative humidity and physical load during storage on dustiness of inorganic nanomaterials: implications for testing and risk assessment". *Journal of Nanoparticle Research*. 2015. 17(8). <https://doi.org/10.1007/s11051-015-3139-6>

Ruohonen, Jukka, Sami Hyrynsalmi ja Ville Leppänen "Software evolution and time series volatility: An empirical exploration". *14th International Workshop on Principles of Software Evolution, IWPSE 2015 - Proceedings*. Institute of Electrical and Electronics Engineers Inc. 2015, 56-65. <https://doi.org/10.1145/2804360.2804367>

Safdari, Hadiseh et al. "Quantifying the non-ergodicity of scaled Brownian motion". *Journal of Physics A: Mathematical and Theoretical*. 2015. 48(37). <https://doi.org/10.1088/1751-8113/48/37/375002>

Bencheikh, K. ja E. Räsänen. "Hermitian one-particle density matrix through a semiclassical gradient expansion". *Journal of Physics A: Mathematical and Theoretical*. 2015. 49(1). <https://doi.org/10.1088/1751-8113/49/1/015205>

Karamanakos, Petros, Tobias Geyer ja Ralph Kennel "Computationally efficient optimization algorithms for model predictive control of linear systems with integer inputs". *2015 54th IEEE Conference on Decision and Control, CDC 2015*. 2015, 3663-3668. <https://doi.org/10.1109/CDC.2015.7402787>

López, Miguel Bordallo et al. "Reconfigurable computing for future vision-capable devices". *Proceedings - 2015 International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation, SAMOS 2015*. Institute of Electrical and Electronics Engineers Inc. 2015, 34-41. <https://doi.org/10.1109/SAMOS.2015.7363657>

Canelas, Pedro et al. "An image generator platform to improve cell tracking algorithms simulation of objects of various morphologies, kinetics and clustering". *SIMULTECH 2016 - Proceedings of the 6th International Conference on Simulation and Modeling Methodologies, Technologies and Applications*. SCITEPRESS. 2016, 44-55.

Sandev, T. et al. "Comb Model with Slow and Ultraslow Diffusion". *Mathematical Modelling of Natural Phenomena*. 2016, 11(3). 18-33. <https://doi.org/10.1051/mmnp/201611302>

Suominen, Arho, Sami Hyrynsalmi, ja Marko Seppänen "Ecosystems Here, There, and Everywhere — A Barometrical Analysis of the Roots of 'Software Ecosystem'". *Software Business: 7th International Conference, ICSOB 2016, Ljubljana, Slovenia, June 13-14, 2016, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2016, 32-46. [https://doi.org/10.1007/978-3-319-40515-5\\_3](https://doi.org/10.1007/978-3-319-40515-5_3)

Aghababaeetafreshi, Mona et al. "IEEE 802.11ac MIMO Transceiver Baseband Processing on a VLIW Processor". *Journal of Signal Processing Systems*. 2016. <https://doi.org/10.1007/s11265-015-1032-2>

Chukhman, Ilya et al. "Instrumentation-Driven Validation of Dataflow Applications". *Journal of Signal Processing Systems*. 2016, 84(3). 383-397. <https://doi.org/10.1007/s11265-015-1073-6>

Hokkanen, Laura, Kati Kuusinen, ja Kaisa Väänänen "Minimum viable user experience: A framework for supporting product design in startups". *Agile Processes, in Software Engineering, and Extreme Programming: 17th International Conference, XP 2016, Edinburgh, UK, May 24-27, 2016, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2016, 66-78. [https://doi.org/10.1007/978-3-319-33515-5\\_6](https://doi.org/10.1007/978-3-319-33515-5_6)

Samuylov, A. et al. "Sir analysis in square-shaped indoor premises". *Proceedings - 30th European Conference on Modelling and Simulation, ECMS 2016*. EUROPEAN COUNCIL FOR MODELLING AND SIMULATION. 2016, 692-697. <https://doi.org/10.7148/2016-0692>

Ruohonen, Jukka, Sami Hyrynsalmi ja Ville Leppänen "Software vulnerability life cycles and the age of software products: An empirical assertion with operating system products". *Advanced Information Systems Engineering Workshops - CAiSE 2016 International Workshops, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2016, 207-218. <https://doi.org/10.1007/978-3-319-39564-7-20>

Hosseini, Seyyed Soheil Sadat et al. "Target tracking via combination of particle filter and optimisation techniques". *International Journal of Mathematical Modelling and Numerical Optimization*. 2016, 7(2). 212-229. <https://doi.org/10.1504/IJMMNO.2016.077068>

Yrjönkoski, Katariina, Nina Helander, ja Hannu Jaakkola "To network or not to network? Analysis of the Finnish software industry-A networking approach". *Software Business: 7th International Conference, ICSOB 2016, Ljubljana, Slovenia, June 13-14, 2016, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2016, 124-134. [https://doi.org/10.1007/978-3-319-40515-5\\_9](https://doi.org/10.1007/978-3-319-40515-5_9)

Taibi, Davide, Andrea Janes ja Valentina Lenarduzzi "Towards a lean approach to reduce code smells injection: An empirical study". *Agile Processes in Software Engineering and Extreme Programming - 17th International Conference, XP 2016, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2016. [https://doi.org/10.1007/978-3-319-33515-5\\_30](https://doi.org/10.1007/978-3-319-33515-5_30)

Ylinen, Antti, Jari Mäkinen, ja Reijo Kouhia "Two models for hydraulic cylinders in flexible multibody simulations". *Computational Methods for Solids and Fluids: Multiscale Analysis, Probability Aspects and Model Reduction*. Computational Methods in Applied Sciences. Springer. 2016, 463-493. [https://doi.org/10.1007/978-3-319-27996-1\\_17](https://doi.org/10.1007/978-3-319-27996-1_17)

Mattila, Keijo et al. "A prospect for computing in porous materials research: Very large fluid flow simulations". *Journal of Computational Science*. 2016, 12. 62-76. <https://doi.org/10.1016/j.jocs.2015.11.013>

Tokola, Henri, Esko Niemi ja Ville Väistö "Lean manufacturing methods in simulation literature: Review and association analysis". *2015 Winter Simulation Conference (WSC)*. 2016, 2239-2248. <https://doi.org/10.1109/WSC.2015.7408336>

Korkiakoski, Samuli et al. "Influence of specimen type and reinforcement on measured tension-tension fatigue life of unidirectional GFRP laminates". *International Journal of Fatigue*. 2016, 85. 114-129. <https://doi.org/10.1016/j.ijfatigue.2015.12.008>

Rubel, Oleksii, Vladimir Lukin, ja Karen Egiazarian "On prediction of DCT-based denoising efficiency under spatially correlated noise conditions". *2016 13th International Conference on Modern Problems of Radio Engineering, Telecommunications and Computer Science (TCSET)*. IEEE. 2016, 750-754. <https://doi.org/10.1109/TCSET.2016.7452171>

Pohjolainen, Seppo ja Antti Suutala "Acoustic Modelling". Pohjolainen, Seppo (toim.). *Mathematical Modelling*. Switzerland: Springer. 2016, 185-205. [https://doi.org/10.1007/978-3-319-27836-0\\_11](https://doi.org/10.1007/978-3-319-27836-0_11)

Yli-Kaainen, Juha ja Markku Renfors. "Optimization of Flexible Filter Banks Based on Fast Convolution". *Journal of Signal Processing Systems*. 2016, 85(1). 101-111. <https://doi.org/10.1007/s11265-015-1004-6>

Dumitrescu, M. et al. "Simulation of photon-photon resonance enhanced direct modulation bandwidth of DFB lasers". *16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016*. IEEE. 2016, 147-148. <https://doi.org/10.1109/NUSOD.2016.7547075>

- Virtanen, Heikki, Topi Uusitalo ja Mihail Dumitrescu "Simulation studies of DFB laser longitudinal structures for narrow linewidth emission". *16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016*. IEEE. 2016, 153-154. <https://doi.org/10.1109/NUSOD.2016.7547078>
- Uusitalo, Topi, Heikki Virtanen ja Mihail Dumitrescu "Transverse structure optimization of laterally-coupled ridge waveguide DFB lasers". *16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016*. IEEE. 2016, 79-80. <https://doi.org/10.1109/NUSOD.2016.7547038>
- Palyulin, Vladimir V. et al. "Search reliability and search efficiency of combined Lévy-Brownian motion: Long relocations mingled with thorough local exploration". *Journal of Physics A: Mathematical and Theoretical*. 2016. 49(39). <https://doi.org/10.1088/1751-8113/49/39/394002>
- Symonds, Phil et al. "Development of an England-wide indoor overheating and air pollution model using artificial neural networks". *JOURNAL OF BUILDING PERFORMANCE SIMULATION*. 2016, 9(6). 606-619. <https://doi.org/10.1080/19401493.2016.1166265>
- Blattner, Timothy et al. "A Hybrid Task Graph Scheduler for High Performance Image Processing Workflows". *Journal of Signal Processing Systems*. 2017, 89(3). 457–467. <https://doi.org/10.1007/s11265-017-1262-6>
- Taibi, Davide et al. "Comparing requirements decomposition within the Scrum, Scrum with Kanban, XP, and Banana development processes". *Agile Processes in Software Engineering and Extreme Programming - 18th International Conference, XP 2017, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2017, 68-83. [https://doi.org/10.1007/978-3-319-57633-6\\_5](https://doi.org/10.1007/978-3-319-57633-6_5)
- Barford, Lee, Shuvra S. Bhattacharyya ja Yanzhou Liu. "Data Flow Algorithms for Processors with Vector Extensions: Handling Actors With Internal State". *Journal of Signal Processing Systems*. 2017, 87(1). 21-31. <https://doi.org/10.1007/s11265-015-1045-x>
- Boutellier, J. ja T. Nyländen. "Design Flow for GPU and Multicore Execution of Dynamic Dataflow Programs". *Journal of Signal Processing Systems*. 2017, 89(3). 469–478. <https://doi.org/10.1007/s11265-017-1260-8>
- Wu, Di, Eric Coatanea ja G. Gary Wang "Dimension reduction and decomposition using causal graph and qualitative analysis for aircraft concept design optimization". *43rd Design Automation Conference*. The American Society of Mechanical Engineers ASME. 2017. <https://doi.org/10.1115/DETC201767601>
- Suonsyrjä, Sampo "Eeny, Meeny, Miny, Mo...: A multiple case study on selecting a technique for user-interaction data collecting". *Agile Processes in Software Engineering and Extreme Programming - 18th International Conference, XP 2017, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2017, 52-67. [https://doi.org/10.1007/978-3-319-57633-6\\_4](https://doi.org/10.1007/978-3-319-57633-6_4)
- Kim, Scott C. ja Shuvra S. Bhattacharyya. "Implementation of a Multirate Resampler for Multi-carrier Systems on GPUs". *Journal of Signal Processing Systems*. 2017, 89(3). 445–455. <https://doi.org/10.1007/s11265-017-1239-5>
- Humaloja, Jukka-Pekka et al. "Independent Loops Search in Flow Networks Aiming for Well-Conditioned System of Equations". Quintela, Peregrina, Barral, Patricia, Gómez, Dolores Pena, Francisco J. Rodríguez, Jerónimo Salgado, Pilar Vázquez-Mendéz, Miguel E. (toimittaneet). *Progress in Industrial Mathematics at ECMI 2016*. Mathematics in industry. Springer International Publishing. 2017. <https://doi.org/10.1007/978-3-319-63082-3>
- Lindroos, Matti et al. "On the effect of deformation twinning and microstructure to strain hardening of high manganese austenitic steel 3D microstructure aggregates at large strains". *International Journal of Solids and Structures*. 2017, 125. 68-76. <https://doi.org/10.1016/j.ijsolstr.2017.07.015>
- Li, Kaipeng et al. "Parallel Digital Predistortion Design on Mobile GPU and Embedded Multicore CPU for Mobile Transmitters". *Journal of Signal Processing Systems*. 2017, 89(3). 417–430. <https://doi.org/10.1007/s11265-017-1233-y>

- Fedorov, Sergey et al. "Sir distribution in D2D environment with non-stationary mobility of users". *Proceedings - 31st European Conference on Modelling and Simulation, ECMS 2017*. EUROPEAN COUNCIL FOR MODELLING AND SIMULATION. 2017, 720-725. <https://doi.org/10.7148/2017-0720>
- Salo, Markus, Henri Pirkkalainen ja Tiina Koskelainen "Technostress and social networking services: Uncovering strains and their underlying stressors". *Nordic Contributions in IS Research - 8th Scandinavian Conference on Information Systems, SCIS 2017, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2017, 41-53. [https://doi.org/10.1007/978-3-319-64695-4\\_4](https://doi.org/10.1007/978-3-319-64695-4_4)
- Orlov, Yurii et al. "Time-dependent SIR modeling for D2D communications in indoor deployments". *Proceedings - 31st European Conference on Modelling and Simulation, ECMS 2017*. EUROPEAN COUNCIL FOR MODELLING AND SIMULATION. 2017, 726-731.
- Hussain, Waqar et al. "Power Mitigation by Performance Equalization in a Heterogeneous Reconfigurable Multicore Architecture". *Journal of Signal Processing Systems*. 2017, 87(3). 287–297. <https://doi.org/10.1007/s11265-016-1142-5>
- Ellervee, Peeter ja Jari Nurmi. "Guest Editorial: Implementation Issues in System-on-Chip". *Journal of Signal Processing Systems*. 2017, 87(3). 269-270. <https://doi.org/10.1007/s11265-017-1242-x>
- Vuorio, Joni, Ilpo Vattulainen ja Hector Martinez-Seara. "Atomistic fingerprint of hyaluronan–CD44 binding". *PLoS Computational Biology*. 2017. 13(7). <https://doi.org/10.1371/journal.pcbi.1005663>
- Yoo, Seong Ki et al. "The Fisher-Snedecor F Distribution: A Simple and Accurate Composite Fading Model". *IEEE Communications Letters*. 2017, 21(7). 1661-1664. <https://doi.org/10.1109/LCOMM.2017.2687438>
- Still, Kaisa et al. "Business Model Innovation of Startups Developing Multisided Digital Platforms". *Proceedings - 2017 IEEE 19th Conference on Business Informatics, CBI 2017*. IEEE. 2017, 70-75. <https://doi.org/10.1109/CBI.2017.86>
- Enkavi, Giray et al. "Concerted regulation of npc2 binding to endosomal/lysosomal membranes by bis(monoacylglycero)phosphate and sphingomyelin". *PLoS Computational Biology*. 2017. 13(10). <https://doi.org/10.1371/journal.pcbi.1005831>
- Borgianni, Y. et al. "Bringing stimulated ideation in a web environment: Students' evaluations of a basic software release" ., Dekoninck, Elies, Wodehouse, Andrew Snider, Chris Georgiev, Georgi Cascini, Gaetano (toimittaneet). *ICDC 2018 - 5th International Conference on Design Creativity, Conference Proceedings*. Proceedings of the International Conference on Engineering Design, ICED. DESIGN SOCIETY. 2018.
- Järvinen, Henri et al. "Effect of paint baking treatment on the properties of press hardened boron steels". *Journal of Materials Processing Technology*. 2018, 252. 90-104. <https://doi.org/10.1016/j.jmatprot.2017.08.027>
- Coatanéa, Eric et al. "Knowledge-based artificial neural network (KB-ANN) in engineering: Associating functional architecture modeling, dimensional analysis and causal graphs to produce optimized topologies for KB-ANNs". *38th Computers and Information in Engineering Conference*. The American Society of Mechanical Engineers ASME. 2018. <https://doi.org/10.1115/DETC201885895>
- Wu, Jiahao et al. "Model-Based Dynamic Scheduling for Multicore Signal Processing". *Journal of Signal Processing Systems*. 2018, 1-14. <https://doi.org/10.1007/s11265-018-1412-5>
- Lenarduzzi, Valentina et al. "Prioritizing corrective maintenance activities for android applications: An industrial case study on android crash reports". *Software Quality: Methods and Tools for Better Software and Systems - 10th International Conference, SWQD 2018, Proceedings*. Lecture Notes in Business Information Processing. Springer-Verlag Berlin Heidelberg. 2018, 133-143. [https://doi.org/10.1007/978-3-319-71440-0\\_8](https://doi.org/10.1007/978-3-319-71440-0_8)



Krogerus, Tomi, Mika Hyvönen, ja Kalevi Huhtala. "Analysis of common rail pressure signal of dual-fuel large industrial engine for identification of injection duration of pilot diesel injectors". *Fuel*. 2018, 216. 1-9. <https://doi.org/10.1016/j.fuel.2017.11.152>

Ugalde-Loo, Carlos E., Enrique Acha ja Eduardo Licéaga-Castro. "Analysis of the damping characteristics of two power electronics-based devices using 'individual channel analysis and design'". *Applied Mathematical Modelling*. 2018, 59. 527-545. <https://doi.org/10.1016/j.apm.2018.02.008>

Dehmer, Matthias et al. "Properties of graph distance measures by means of discrete inequalities". *Applied Mathematical Modelling*. 2018, 59. 739-749. <https://doi.org/10.1016/j.apm.2018.01.027>

Pantsar, Tatu et al. "Assessment of mutation probabilities of KRAS G12 missense mutants and their long-timescale dynamics by atomistic molecular simulations and Markov state modeling". *PLoS Computational Biology*. 2018. 14(9). <https://doi.org/10.1371/journal.pcbi.1006458>

Ortombina, L. et al. "Constrained Long-Horizon Direct Model Predictive Control for Synchronous Reluctance Motor Drives". *2018 IEEE 19th Workshop on Control and Modeling for Power Electronics, COMPEL 2018*. IEEE. 2018. <https://doi.org/10.1109/COMPEL.2018.8460173>

Ponomarenko, Mykola et al. "Structural Similarity Index with Predictability of Image Blocks". *2018 IEEE 17th International Conference on Mathematical Methods in Electromagnetic Theory, MMET 2018 - Proceedings*. IEEE COMPUTER SOCIETY PRESS. 2018, 115-118. <https://doi.org/10.1109/MMET.2018.8460285>

Hautala, Ilkka et al. "Toward Efficient Execution of RVC-CAL Dataflow Programs on Multicore Platforms". *Journal of Signal Processing Systems*. 2018, 90(11). 1507-1517. <https://doi.org/10.1007/s11265-018-1339-x>

Ottosen, Niels Saabye, Matti Ristinmaa, ja Reijo Kouhia. "Enhanced multiaxial fatigue criterion that considers stress gradient effects". *International Journal of Fatigue*. 2018, 116. 128-139. <https://doi.org/10.1016/j.ijfatigue.2018.05.024>

Raunio, Jukka-Pekka ja Risto Ritala. "Active scanner control on paper machines". *Journal of Process Control*. 2018, 72. 74-90. <https://doi.org/10.1016/j.jprocont.2018.09.012>

Georgiev, Georgi Yordanov et al. "Action and power efficiency in self-organization: The case for growth efficiency as a cellular objective in *Escherichia coli*"., Flores Martinez, Claudio L. ja Georgiev, Georgi Yordanov Smart, John M. Price, Michael E. (toimittaneet). *Evolution, Development and Complexity - Multiscale Evolutionary Models of Complex Adaptive Systems*. Springer Proceedings in Complexity. Springer. 2019, 229-244. [https://doi.org/10.1007/978-3-030-00075-2\\_8](https://doi.org/10.1007/978-3-030-00075-2_8)

Taivalsaari, Antero et al. "Client-Side Cornucopia: Comparing the Built-In Application Architecture Models in the Web Browser"., Escalona, María José ja Domínguez Mayo, Francisco Majchrzak, Tim A. Monfort, Valérie (toimittaneet). *Web Information Systems and Technologies - 14th International Conference, WEBIST 2018, Revised Selected Papers*. Lecture Notes in Business Information Processing. Springer. 2019, 1-24. [https://doi.org/10.1007/978-3-030-35330-8\\_1](https://doi.org/10.1007/978-3-030-35330-8_1)

Laakom, Firas et al. "Color Constancy Convolutional Autoencoder". *2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019*. IEEE. 2019, 1085-1090. <https://doi.org/10.1109/SSCI44817.2019.9002684>

Orelma, H. "Continuum approach to high-cycle fatigue. The finite life-time case with stochastic stress history". *Vestnik Samarskogo Gosudarstvennogo Tekhnicheskogo Universiteta, Seriya Fiziko-Matematicheskie Nauki*. 2019, 23(3). 452-463. <https://doi.org/10.14498/vsgtu1705>

Stockrahm, Alex et al. "Cuts for 3-D magnetic scalar potentials: Visualizing unintuitive surfaces arising from trivial knots". *Computers and Mathematics with Applications*. 2019. <https://doi.org/10.1016/j.camwa.2019.05.023>

Pascual Campo, Pablo et al. "Digital Predistortion for 5G Small Cell: GPU Implementation and RF Measurements". *Journal of Signal Processing Systems*. 2019. <https://doi.org/10.1007/s11265-019-01502-4>

Ahtiluoto, Matti, Asko Ellman, ja Eric Coatanea. "Model for evaluating additive manufacturing feasibility in end-use production". *Proceedings of the International Conference on Engineering Design, ICED*. 2019, 1(1). 799-808. <https://doi.org/10.1017/dsi.2019.84>

Raitoharju, Jenni ja Kristian Meissner "On Confidences and Their Use in (Semi-)Automatic Multi-Image Taxa Identification". *2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019*. IEEE. 2019, 1338-1343. <https://doi.org/10.1109/SSCI44817.2019.9002975>

Al-Ars, Zaid et al. "ALMARVI System Solution for Image and Video Processing in Healthcare, Surveillance and Mobile Applications". *Journal of Signal Processing Systems*. 2019, 91(1). 1-7. <https://doi.org/10.1007/s11265-018-1423-2>

Puonti, Mikko ja Timo Raitalaakso "Data Vault Mappings to Dimensional Model Using Schema Matching"., Doucek, Petr, Basl, Josef ja Pavlicek, Antonin Tjoa, A Min Detter, Katrin Raffai, Maria (toimittaneet). *Research and Practical Issues of Enterprise Information Systems - 13th IFIP WG 8.9 International Conference, CONFENIS 2019, Proceedings*. Lecture Notes in Business Information Processing. Springer. 2019, 55-64. [https://doi.org/10.1007/978-3-030-37632-1\\_5](https://doi.org/10.1007/978-3-030-37632-1_5)

Yoo, Seong Ki et al. "Energy Detection-Based Spectrum Sensing over Fisher-Snedecor F Fading Channels". *2018 IEEE Global Communications Conference*. IEEE. 2019. <https://doi.org/10.1109/GLOCOM.2018.8647778>

Kovalchukov, Roman et al. "Improved Session Continuity in 5G NR with Joint Use of Multi-Connectivity and Guard Bandwidth". *2018 IEEE Global Communications Conference, GLOBECOM 2018*. IEEE. 2019. <https://doi.org/10.1109/GLOCOM.2018.8647608>

Javanainen, Matti et al. "Reduced level of docosahexaenoic acid shifts GPCR neuroreceptors to less ordered membrane regions". *PLoS Computational Biology*. 2019. 15(5). <https://doi.org/10.1371/journal.pcbi.1007033>

Kreutzer, Joose et al. "Pneumatic unidirectional cell stretching device for mechanobiological studies of cardiomyocytes". *BIOMECHANICS AND MODELING IN MECHANOBIOLOGY*. 2019. <https://doi.org/10.1007/s10237-019-01211-8>

Räsänen, Okko et al. "Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech". *Speech Communication*. 2019, 113. 63-80. <https://doi.org/10.1016/j.specom.2019.08.005>

Nanni, Loris, Gianluca Maguolo ja Michelangelo Paci. "Data augmentation approaches for improving animal audio classification". *Ecological Informatics*. 2020. 57. <https://doi.org/10.1016/j.ecoinf.2020.101084>

Elfgen, Silas, Paavo Rasilo ja Kay Hameyer. "Hysteresis and eddy-current losses in electrical steel utilising edge degradation due to cutting effects". *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*. 2020. <https://doi.org/10.1002/jnm.2781>

Khodamoradi, Aram et al. "PRBS-based loop gain identification and output impedance shaping in DC microgrid power converters". *Mathematics and Computers in Simulation*. 2020. <https://doi.org/10.1016/j.matcom.2020.04.017>

Neri, Manuela et al. "Safety at chimney-roof penetration: A numerical investigation"., Pernigotto, Giovanni, Patuzzi, Francesco Prada, Alessandro Corrado, Vincenzo Gasparella, Andrea (toimittaneet). *Building Simulation Applications, BSA 2019 - 4th IBPSA-Italy Conference*. Building Simulation Applications. Free University of Bozen Bolzano. 2020, 123-130.

Ni, Xingyang ja Heikki Huttunen. "Vehicle Attribute Recognition by Appearance: Computer Vision Methods for Vehicle Type, Make and Model Classification". *Journal of Signal Processing Systems*. 2020. <https://doi.org/10.1007/s11265-020-01567-6>

Koyama, Chihiro et al. "Very sharp diffraction peak in nonglass-forming liquid with the formation of distorted tetraclusters". *NPG ASIA MATERIALS*. 2020. 12(1). <https://doi.org/10.1038/s41427-020-0220-0>