

Grigore V, Hatonen J, Kyyra J, Suntio T. **Dynamics of a buck converter with a constant power load.** julkaisussa PESC 1998 - 29th Annual IEEE Power Electronics Specialists Conference. Institute of Electrical and Electronics Engineers Inc. 1998. s. 72-78. 701881. (PESC Record - IEEE Annual Power Electronics Specialists Conference). <https://doi.org/10.1109/PESC.1998.701881>

Korhonen HME, Heikkilä J, Törnwall JM. **A simulation case study of production planning and control in printed wiring board manufacturing.** Winter Simulation Conference Proceedings. 2001 joulu 1;2:844-847.

Mäki-Jaskari MA, Rantala TT. **Possible structures of nonstoichiometric tin oxide: The composition Sn₂O₃.** Modelling and Simulation in Materials Science and Engineering. 2004 tammi;12(1):33-41. <https://doi.org/10.1088/0965-0393/12/1/004>

Emmert-Streib F. **Algorithmic computation of knot polynomials of secondary structure elements of proteins.** Journal of Computational Biology. 2006 loka 1;13(8):1503-1512. <https://doi.org/10.1089/cmb.2006.13.1503>

Coatanéa E, Yannou B, Honkala S, Lajunen A, Saarelainen T, Makkonen P. **Measurement theory and dimensional analysis: Methodological impact on the comparison and evaluation process.** julkaisussa 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. s. 173-182 <https://doi.org/10.1115/DETC2007-34364>

Emmert-Streib F, Dehmer M. **Information processing in the transcriptional regulatory network of yeast: Functional robustness.** BMC Systems Biology. 2009 maaliskuu 19;3. 35. <https://doi.org/10.1186/1752-0509-3-35>

Acimovic J. **Neural networks, cell cultures and some older work on data analysis.** 2009. Julkaisun esittämispaiikka: Okinawa Computational Neuroscience Course 2009, Japani.

Emmert-Streib F, Dehmer M. **Hierarchical coordination of periodic genes in the cell cycle of *Saccharomyces cerevisiae*.** BMC Systems Biology. 2009 heinäkuu 20;3. 76. <https://doi.org/10.1186/1752-0509-3-76>

Coatanéa E, Ritola T, Tumer IY, Jensen D. **A framework for building behavioral models for design-stage failure identification using dimensional analysis.** julkaisussa Proceedings of the ASME Design Engineering Technical Conference. Vuosikerta 5. AMER SOC MECHANICAL ENGINEERS. 2010. s. 591-601 <https://doi.org/10.1115/DETC2010-28864>

Lavazza L, Morasca S, Taibi D, Tosi D. **Applying SCRUM in an OSS development process: An empirical evaluation.** julkaisussa Agile Processes in Software Engineering and Extreme Programming - 11th International Conference, XP 2010, Proceedings. Vuosikerta 48 LNBIP. Springer Verlag. 2010. s. 147-159. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-642-13054-0_11

Emmert-Streib F, Altay G. **Local network-based measures to assess the inferability of different regulatory networks.** IET Systems Biology. 2010 heinäkuu;4(4):277-288. ISBEAT000004000004000277000001. <https://doi.org/10.1049/iet-syb.2010.0028>

Altay G, Emmert-Streib F. **Inferring the conservative causal core of gene regulatory networks.** BMC Systems Biology. 2010 syyskuu 28;4. 132. <https://doi.org/10.1186/1752-0509-4-132>

Lavazza L, Morasca S, Taibi D, Tosi D. **OP2A: How to improve the quality of the web portal of open source software products.** julkaisussa Web Information Systems and Technologies - 7th International Conference, WEBIST 2011, Revised Selected Papers. Springer Verlag. 2011. s. 149-162. (Lecture Notes in Business Information Processing). <https://doi.org/10.1007/978-3-642-28082-5-11>

Sane N, Kee H, Seetharaman G, Bhattacharyya SS. **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 P, Niemi T, Niinimäki M, Nummenmaa J. **Using the entity-attribute-value model for olap cube construction.** julkaisussa Perspectives in Business Informatics Research - 10th International Conference, BIR 2011, Proceedings. Vuosikerta 90 LNBIP. Springer Verlag. 2011. s. 59-72. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-642-24511-4_5

Gu R, Janneck JW, Raulet M, Bhattacharyya SS. **Exploiting statically schedulable regions in dataflow programs.** Journal of Signal Processing Systems. 2011 huhti;63(1):129-142. <https://doi.org/10.1007/s11265-009-0445-1>

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

Bhattacharyya SS, Eker J, Janneck JW, Lucarz C, Mattavelli M, Raulet M. **Overview of the MPEG reconfigurable video coding framework.** Journal of Signal Processing Systems. 2011 touko;63(2):251-263. <https://doi.org/10.1007/s11265-009-0399-3>

Emmert-Streib F, Glazko GV. **Pathway analysis of expression data: Deciphering functional building blocks of complex diseases.** PLoS Computational Biology. 2011 touko;7(5). e1002053. <https://doi.org/10.1371/journal.pcbi.1002053>

Boutellier J, Lucarz C, Lafond S, Gomez VM, Mattavelli M. **Quasi-static scheduling of CAL actor networks for reconfigurable video coding.** Journal of Signal Processing Systems. 2011 touko;63(2):191-202. <https://doi.org/10.1007/s11265-009-0389-5>

Altay G, Emmert-Streib F. **Structural influence of gene networks on their inference: Analysis of C3NET.** Biology Direct. 2011 kesä 22;6. 31. <https://doi.org/10.1186/1745-6150-6-31>

Min J, Xiang Z, Zhiming Z, Tentzeris MM. **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 W, Zhang Z, Nummenmaa J. **Characterizing trustworthy digital rights exporting.** julkaisussa Perspectives in Business Informatics Research - 11th International Conference, BIR 2012, Proceedings. Vuosikerta 128 LNBIP. Springer Verlag. 2012. s. 85-95. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-642-33281-4_7

Kee H, Shen CC, Bhattacharyya SS, Wong I, Rao Y, Kornerup J. **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 M, Chariete A, Gaber J, Wack M, Niar S, Coatanea E. **Performance evaluation of a flow control algorithm for network-on-chip.** julkaisussa Proceedings of the 2012 International Conference on High Performance Computing and Simulation, HPCS 2012. 2012. s. 281-287. 6266925 <https://doi.org/10.1109/HPCSim.2012.6266925>

Nylander T, Boutellier J, Nikunen K, Hannuksela J, Silven O. **Reconfigurable miniature sensor nodes for condition monitoring.** julkaisussa Proceedings - 2012 International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation, IC-SAMOS 2012. 2012. s. 113-119. 6404164 <https://doi.org/10.1109/SAMOS.2012.6404164>

Hyrnsalmi S, Suominen A, Mäkilä T, Järvi A, Knuutila T. **Revenue models of application developers in android market ecosystem.** julkaisussa Software Business - Third International Conference, ICSOB 2012, Proceedings. Springer Verlag. 2012. s. 209-222. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-642-30746-1_17

Tauriainen M, Mero AK, Lemström A, Puttonen J, Saari A. **The development of constructability using BIM as an intensifying technology.** julkaisussa eWork and eBusiness in Architecture, Engineering and Construction - Proceedings of the European Conference on Product and Process Modelling 2012, ECPPM 2012. 2012. s. 713-716

Niinimäki M, Niemi T, Martin S, Nummenmaa J, Thanisch P. **Timely report production from WWW data sources.** julkaisussa Workshops on Business Informatics Research, BIR 2011 International Workshops and Doctoral Consortium, Revised Selected Papers. Vuosikerta 106 LNBI. Springer Verlag. 2012. s. 184-195. (Lecture Notes in Business Information Processing). <https://doi.org/10.1007/978-3-642-29231-6-15>

Halonen A, Hyrynsalmi S, Kimppa KK, Knuutila T, Smed J, Hakonen H. **Towards usability heuristics for games utilizing speech recognition.** julkaisussa 4th Asian Conference on Intelligent Games and Simulation, GAME-ON ASIA 2012 - 4th Asian Simulation Technology Conference, ASTEC 2012. EUROSIS. 2012. s. 51-55

Pereira DG, Rodrigues PC, Mejza S, Mexia JT. **A comparison between joint regression analysis and the AMMI model: A case study with barley.** JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION. 2012 helmi;82(2):193-207. <https://doi.org/10.1080/00949655.2011.615839>

de Matos Simoes R, Tripathi S, Emmert-Streib F. **Organizational structure and the periphery of the gene regulatory network in B-cell lymphoma.** BMC Systems Biology. 2012 touko 14;6. 38. <https://doi.org/10.1186/1752-0509-6-38>

Kalimeri M, Constantoudis V, Papadimitriou C, Karamanos K, Diakonos FK, Papageorgiou H. **Entropy analysis of word-length series of natural language texts: Effects of text language and genre.** INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS. 2012 syys;22(9). 1250223. <https://doi.org/10.1142/S0218127412502239>

Kouhia R, Tuma M, Mäkinen J, Fedoroff A, Marjamäki H. **Implementation of a direct procedure for critical point computations using preconditioned iterative solvers.** Computers & Structures. 2012 loka;108-109:110-117. <https://doi.org/10.1016/j.compstruc.2012.02.009>

Emmert-Streib F, Tripathi S, Matos Simoes RD. **Harnessing the complexity of gene expression data from cancer: From single gene to structural pathway methods.** Biology Direct. 2012 joulu 10;7. 44. <https://doi.org/10.1186/1745-6150-7-44>

Boutellier J, Raulet M, Silvén O. **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 LH, Shen CC, Wu S, Bhattacharyya SS. **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 K, Pelcat M, Nezan JF, Bhattacharyya SS, Aridhi S. **PiMM: Parameterized and interfaced dataflow meta-model for MPSoCs runtime reconfiguration.** julkaisussa Proceedings - 2013 International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation, IC-SAMOS 2013. IEEE COMPUTER SOCIETY PRESS. 2013. s. 41-48. 6621104 <https://doi.org/10.1109/SAMOS.2013.6621104>

Ogeya MC, Coatanéa E, Medyna G. **Theory driven design and real proto typing of biomass pyrolytic stove.** julkaisussa Proceedings of the International Conference on Engineering Design, ICED. Vuosikerta 9 DS75-09. 2013. s. 69-78

Mokammel F, Coatanéa E, Christophe F, Ba Khouya M, Medyna G. **Towards an approach for evaluating the quality of requirements.** julkaisussa 33rd Computers and Information in Engineering Conference. Vuosikerta 2 B. American Society of Mechanical Engineers. 2013. V02BT02A024 <https://doi.org/10.1115/DETC2013-13708>

Zaki GF, Plishker W, Bhattacharyya SS, Clancy C, Kuykendall J. **Integration of dataflow-based heterogeneous multiprocessor scheduling techniques in GNU radio.** Journal of Signal Processing Systems. 2013 helmi;70(2):177-191. <https://doi.org/10.1007/s11265-012-0696-0>

Taylor J, Biddulph P, Davies M, Ridley I, Mavrogianni A, Oikonomou E et al. **Using building simulation to model the drying of flooded building archetypes.** JOURNAL OF BUILDING PERFORMANCE SIMULATION. 2013 maaliskuu 1;6(2):119-140. <https://doi.org/10.1080/19401493.2012.703243>

Rodrigues PC, de Carvalho M. **Spectral modeling of time series with missing data**. Applied Mathematical Modelling. 2013 huhti 1;37(7):4676-4684. <https://doi.org/10.1016/j.apm.2012.09.040>

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

Saintsing CD, Cook BS, Tentzeris MM. **An origami inspired reconfigurable spiral antenna**. julkaisussa 38th Mechanisms and Robotics Conference. Vuosikerta 5B. The American Society of Mechanical Engineers ASME. 2014 <https://doi.org/10.1115/DETC201435353>

Coatanéa E, Nonsiri S, Christophe F, Mokammel F. **Graph based representation and analyses for conceptual stages**. julkaisussa 34th Computers and Information in Engineering Conference. Vuosikerta 1A. The American Society of Mechanical Engineers ASME. 2014 <https://doi.org/10.1115/DETC201435652>

Marinho P, Vermandel M, Bourgeois P, Lejeune JP, Mordon S, Thines L. **Preoperative simulation for the planning of microsurgical clipping of intracranial aneurysms**. SIMULATION IN HEALTHCARE. 2014 joulu 20;9(6):370-376. <https://doi.org/10.1097/SIH.0000000000000056>

Takalo R, Hytti H, Ihalainen H, Sohlberg A. **Adaptive autoregressive model for reduction of noise in SPECT**. Computational and Mathematical Methods in Medicine. 2015;2015. 494691. <https://doi.org/10.1155/2015/494691>

Pertilä P, Nikunen J. **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 V, Lunesu I, Matta M, Taibi D. **Functional size measures and effort estimation in agile development: A replicated study**. julkaisussa Agile Processes, in Software Engineering, and Extreme Programming - 16th International Conference, XP 2015, Proceedings. Vuosikerta 212. Springer-Verlag Berlin Heidelberg. 2015. s. 105-116. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-319-18612-2_9

Järvi A, Taajamaa V, Hyrynsalmi S. **Lean software startup – an experience report from an entrepreneurial software business course**. julkaisussa Software Business - 6th International Conference, ICSOB 2015, Proceedings. Vuosikerta 210. Springer Verlag. 2015. s. 230-244. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-319-19593-3_21

Lu W, Nummenmaa J, Zhang Z. **Passive condition pre-enforcement for rights exporting**. julkaisussa Perspectives in Business Informatics Research - 14th International Conference, BIR 2015, Proceedings. Vuosikerta 229. Springer Verlag. 2015. s. 241-254. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-319-21915-8_16

Tauriainen M, Puttonen J, Saari A, Laakso P, Forsblom K. **The assessment of constructability: BIM cases**. julkaisussa 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. s. 55-61

Hokkanen L, Väänänen-Vainio-Mattila K. **UX work in startups: Current practices and future needs**. julkaisussa Agile Processes in Software Engineering and Extreme Programming: 16th International Conference, XP 2015, Helsinki, Finland, May 25-29, 2015, Proceedings. Vuosikerta 212. Springer Verlag. 2015. s. 81-92. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-319-18612-2_7

Hyrynsalmi S, Seppänen M, Nokkala T, Suominen A, Järvi A. **Wealthy, healthy and/or happy —what does 'ecosystem health' stand for?** julkaisussa 6th International Conference on Software Business, ICSOB 2015; Braga; Portugal; 10 June 2015 through 12 June 2015. Vuosikerta 210. Springer Verlag. 2015. s. 272-287. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-319-19593-3_24

Nix E, Das P, Taylor J, Davies M. **Employing a multi-Objective robust optimisation method for healthy and low-energy dwelling design in Delhi, India.** julkaisussa Proceedings of the 2014 Building Simulation and Optimization Conference. 2015. s. 2093-2100

Di Gironimo G, Lanzotti A, Marzullo D, Esposito G, Carfora D, Siuko M. **Iterative and Participative Axiomatic Design Process in complex mechanical assemblies: case study on fusion engineering.** International Journal on Interactive Design and Manufacturing. 2015 maaliskuu 22;9(4):325-338. <https://doi.org/10.1007/s12008-015-0270-7>

Blavatska V, Metzler R. **Conformational properties of complex polymers: Rosette versus star-like structures.** Journal of Physics A: Mathematical and Theoretical. 2015 huhtikuu 7;48(13). 135001. <https://doi.org/10.1088/1751-8113/48/13/135001>

Koivisto AJ, Aromaa M, Koponen IK, Fransman W, Jensen KA, Mäkelä JM et al. **Workplace performance of a loose-fitting powered air purifying respirator during nanoparticle synthesis.** Journal of Nanoparticle Research. 2015 huhtikuu 9;17(4). <https://doi.org/10.1007/s11051-015-2990-9>

Matos Simoes RD, Dalleau S, Williamson KE, Emmert-Streib F. **Urothelial cancer gene regulatory networks inferred from large-scale RNAseq, Bead and Oligo gene expression data.** BMC Systems Biology. 2015 toukokuu 14;9. 21. <https://doi.org/10.1186/s12918-015-0165-z>

Krüsemann H, Godec A, Metzler R. **Ageing first passage time density in continuous time random walks and quenched energy landscapes.** Journal of Physics A: Mathematical and Theoretical. 2015 heinäkuu 17;48(28). 285001. <https://doi.org/10.1088/1751-8113/48/28/285001>

Levin M, Rojas E, Vanhala E, Vippola M, Liguori B, Kling KI 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 elokuu 14;17(8). 337. <https://doi.org/10.1007/s11051-015-3139-6>

Ruohonen J, Hyrynsalmi S, Leppänen V. **Software evolution and time series volatility: An empirical exploration.** julkaisussa 14th International Workshop on Principles of Software Evolution, IWPSSE 2015 - Proceedings. Vuosikerta 30-Aug-2015. Institute of Electrical and Electronics Engineers Inc. 2015. s. 56-65 <https://doi.org/10.1145/2804360.2804367>

Safdari H, Cherstvy AG, Chechkin AV, Thiel F, Sokolov IM, Metzler R. **Quantifying the non-ergodicity of scaled Brownian motion.** Journal of Physics A: Mathematical and Theoretical. 2015 syyskuu 18;48(37). 375002. <https://doi.org/10.1088/1751-8113/48/37/375002>

Bencheikh K, Räsänen E. **Hermitian one-particle density matrix through a semiclassical gradient expansion.** Journal of Physics A: Mathematical and Theoretical. 2015 joulukuu 9;49(1). 015205. <https://doi.org/10.1088/1751-8113/49/1/015205>

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

López MB, Nieto A, Silvén O, Bütellier J, Vilariño DL. **Reconfigurable computing for future vision-capable devices.** julkaisussa Proceedings - 2015 International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation, SAMOS 2015. Institute of Electrical and Electronics Engineers Inc. 2015. s. 34-41. 7363657 <https://doi.org/10.1109/SAMOS.2015.7363657>

Canelas P, Martins L, Mora A, S. Ribeiro A, Fonseca J. **An image generator platform to improve cell tracking algorithms simulation of objects of various morphologies, kinetics and clustering.** julkaisussa SIMULTECH 2016 - Proceedings of the 6th International Conference on Simulation and Modeling Methodologies, Technologies and Applications. SCITEPRESS. 2016. s. 44-55

Sandev T, Iomin A, Kantz H, Metzler R, Chechkin A. **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 A, Hyrynsalmi S, Seppänen M. **Ecosystems Here, There, and Everywhere — A Barometrical Analysis of the Roots of 'Software Ecosystem'**. julkaisussa Software Business: 7th International Conference, ICSOB 2016, Ljubljana, Slovenia, June 13-14, 2016, Proceedings. Springer Verlag. 2016. s. 32-46. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-319-40515-5_3

Aghababaeetafreshi M, Lehtonen LK, Levanen T, Valkama M, Takala J. **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 I, Jiao Y, Salem HB, Bhattacharyya SS. **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 L, Kuusinen K, Väänänen K. **Minimum viable user experience: A framework for supporting product design in startups**. julkaisussa Agile Processes, in Software Engineering, and Extreme Programming: 17th International Conference, XP 2016, Edinburgh, UK, May 24-27, 2016, Proceedings. Springer Verlag. 2016. s. 66-78. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-319-33515-5_6

Samuylov A, Moltchanov D, Gaidamaka Y, Begishev V, Kovalchukov R, Abaev P et al. **Sir analysis in square-shaped indoor premises**. julkaisussa Proceedings - 30th European Conference on Modelling and Simulation, ECMS 2016. EUROPEAN COUNCIL FOR MODELLING AND SIMULATION. 2016. s. 692-697 <https://doi.org/10.7148/2016-0692>

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

Hosseini SSS, Jamali MM, Astola J, Gorsevski PV. **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 K, Helander N, Jaakkola H. **To network or not to network? Analysis of the Finnish software industry-A networking approach**. julkaisussa Software Business: 7th International Conference, ICSOB 2016, Ljubljana, Slovenia, June 13-14, 2016, Proceedings. Springer Verlag. 2016. s. 124-134. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-319-40515-5_9

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

Ylinen A, Mäkinen J, Kouhia R. **Two models for hydraulic cylinders in flexible multibody simulations**. julkaisussa Computational Methods for Solids and Fluids: Multiscale Analysis, Probability Aspects and Model Reduction. Springer. 2016. s. 463-493. (Computational Methods in Applied Sciences). https://doi.org/10.1007/978-3-319-27996-1_17

Mattila K, Puurtinen T, Hyväluoma J, Surmas R, Mylly M, Turpeinen T et al. **A prospect for computing in porous materials research: Very large fluid flow simulations**. Journal of Computational Science. 2016 tammi 1;12:62-76. <https://doi.org/10.1016/j.jocs.2015.11.013>

Tokola H, Niemi E, Väistö V. **Lean manufacturing methods in simulation literature: Review and association analysis**. julkaisussa 2015 Winter Simulation Conference (WSC). 2016. s. 2239-2248 <https://doi.org/10.1109/WSC.2015.7408336>

Korkiakoski S, Brøndsted P, Sarlin E, Saarela O. **Influence of specimen type and reinforcement on measured tension-tension fatigue life of unidirectional GFRP laminates**. International Journal of Fatigue. 2016 huhti 1;85:114-129. <https://doi.org/10.1016/j.ijfatigue.2015.12.008>

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

Pohjolainen S, Suutala A. **Acoustic Modelling.** julkaisussa Pohjolainen S, toimittaja, Mathematical Modelling. Switzerland: Springer. 2016. s. 185-205 https://doi.org/10.1007/978-3-319-27836-0_11

Yli-Kaakinen J, Renfors M. **Optimization of Flexible Filter Banks Based on Fast Convolution.** Journal of Signal Processing Systems. 2016 elo;85(1):101-111. <https://doi.org/10.1007/s11265-015-1004-6>

Dumitrescu M, Uusitalo T, Virtanen H, Laakso A, Bardella P, Montrosset I. **Simulation of photon-photon resonance enhanced direct modulation bandwidth of DFB lasers.** julkaisussa 16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE. 2016. s. 147-148 <https://doi.org/10.1109/NUSOD.2016.7547075>

Virtanen H, Uusitalo T, Dumitrescu M. **Simulation studies of DFB laser longitudinal structures for narrow linewidth emission.** julkaisussa 16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE. 2016. s. 153-154 <https://doi.org/10.1109/NUSOD.2016.7547078>

Uusitalo T, Virtanen H, Dumitrescu M. **Transverse structure optimization of laterally-coupled ridge waveguide DFB lasers.** julkaisussa 16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE. 2016. s. 79-80. 7547038 <https://doi.org/10.1109/NUSOD.2016.7547038>

Palyulin VV, Chechkin AV, Klages R, Metzler R. **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 syys 8;49(39). 394002. <https://doi.org/10.1088/1751-8113/49/39/394002>

Symonds P, Taylor J, Chalabi Z, Mavrogianni A, Davies M, Hamilton I et al. **Development of an England-wide indoor overheating and air pollution model using artificial neural networks.** JOURNAL OF BUILDING PERFORMANCE SIMULATION. 2016 marras 1;9(6):606-619. <https://doi.org/10.1080/19401493.2016.1166265>

Blattner T, Keyrouz W, Bhattacharyya SS, Halem M, Brady M. **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 D, Lenarduzzi V, Janes A, Liukkunen K, Ahmad MO. **Comparing requirements decomposition within the Scrum, Scrum with Kanban, XP, and Banana development processes.** julkaisussa Agile Processes in Software Engineering and Extreme Programming - 18th International Conference, XP 2017, Proceedings. Springer Verlag. 2017. s. 68-83. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-319-57633-6_5

Barford L, Bhattacharyya SS, Liu Y. **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, Nyländén T. **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 D, Coatanea E, Wang GG. **Dimension reduction and decomposition using causal graph and qualitative analysis for aircraft concept design optimization.** julkaisussa 43rd Design Automation Conference. The American Society of Mechanical Engineers ASME. 2017 <https://doi.org/10.1115/DETC201767601>

Suonsyrjä S. **Eeny, Meeny, Miny, Mo...: A multiple case study on selecting a technique for user-interaction data collecting.** julkaisussa Agile Processes in Software Engineering and Extreme Programming - 18th International Conference, XP 2017, Proceedings. Springer Verlag. 2017. s. 52-67. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-319-57633-6_4

Kim SC, Bhattacharyya SS. **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 J-P, Ali-Löytty S, Pohjolainen S, Hämäläinen T. **Independent Loops Search in Flow Networks Aiming for Well-Conditioned System of Equations.** julkaisussa Quintela P, Barral P, Gómez D, Pena FJ, Rodríguez J, Salgado P, Vázquez-Mendéz ME, toimittajat, Progress in Industrial Mathematics at ECMI 2016. Springer International Publishing. 2017. (Mathematics in industry). <https://doi.org/10.1007/978-3-319-63082-3>

Lindroos M, Laukkanen A, Cailletaud G, Kuokkala V-T. **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 K, Ghazi A, Tarver C, Boutellier J, Abdelaziz M, Anttila L 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 S, Orlov Y, Samuylov A, Moltchanov D, Gaidamaka Y, Samouylov K et al. **Sir distribution in D2D environment with non-stationary mobility of users.** julkaisussa Proceedings - 31st European Conference on Modelling and Simulation, ECMS 2017. EUROPEAN COUNCIL FOR MODELLING AND SIMULATION. 2017. s. 720-725 <https://doi.org/10.7148/2017-0720>

Salo M, Pirkkalainen H, Koskelainen T. **Technostress and social networking services: Uncovering strains and their underlying stressors.** julkaisussa Nordic Contributions in IS Research - 8th Scandinavian Conference on Information Systems, SCIS 2017, Proceedings. Springer Verlag. 2017. s. 41-53. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-319-64695-4_4

Orlov Y, Zenyuk D, Samuylov A, Moltchanov D, Andreev S, Romashkova O et al. **Time-dependent SIR modeling for D2D communications in indoor deployments.** julkaisussa Proceedings - 31st European Conference on Modelling and Simulation, ECMS 2017. EUROPEAN COUNCIL FOR MODELLING AND SIMULATION. 2017. s. 726-731

Hussain W, Hoffmann H, Ahonen T, Nurmi J. **Power Mitigation by Performance Equalization in a Heterogeneous Reconfigurable Multicore Architecture.** Journal of Signal Processing Systems. 2017 kesä;87(3):287–297. <https://doi.org/10.1007/s11265-016-1142-5>

Ellervee P, Nurmi J. **Guest Editorial: Implementation Issues in System-on-Chip.** Journal of Signal Processing Systems. 2017 kesä 1;87(3):269-270. <https://doi.org/10.1007/s11265-017-1242-x>

Vuorio J, Vattulainen I, Martinez-Seara H. **Atomistic fingerprint of hyaluronan–CD44 binding.** PLoS Computational Biology . 2017 heinä 1;13(7). e1005663. <https://doi.org/10.1371/journal.pcbi.1005663>

Yoo SK, Cotton SL, Sofotasios PC, Matthaiou M, Valkama M, Karagiannidis GK. **The Fisher-Snedecor F Distribution: A Simple and Accurate Composite Fading Model.** IEEE Communications Letters. 2017 heinä 1;21(7):1661-1664. <https://doi.org/10.1109/LCOMM.2017.2687438>

Still K, Seppänen M, Korhonen H, Valkokari K, Suominen A, Kumpulainen M. **Business Model Innovation of Startups Developing Multisided Digital Platforms.** julkaisussa Proceedings - 2017 IEEE 19th Conference on Business Informatics, CBI 2017. IEEE. 2017. s. 70-75 <https://doi.org/10.1109/CBI.2017.86>

Enkavi G, Mikkolainen H, Gungör B, Ikonen E, Vattulainen I. **Concerted regulation of npc2 binding to endosomal/lysosomal membranes by bis(monoacylglycero)phosphate and sphingomyelin.** PLoS Computational Biology. 2017 loka 1;13(10). e1005831. <https://doi.org/10.1371/journal.pcbi.1005831>

Borgianni Y, Lenarduzzi V, Rotini F, Taibi D. **Bringing stimulated ideation in a web environment: Students' evaluations of a basic software release.** julkaisussa Dekoninck E, Wodehouse A, Snider C, Georgiev G, Cascini G, toimittajat, ICDC 2018 - 5th International Conference on Design Creativity, Conference Proceedings. DESIGN SOCIETY. 2018. (Proceedings of the International Conference on Engineering Design, ICED).

Järvinen H, Honkanen M, Järvenpää M, Peura P. **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.jmatprotec.2017.08.027>

Coatanéa E, Wu D, Tsarkov V, Gary Wang G, Modi S, Jafarian H. **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.** julkaisussa 38th Computers and Information in Engineering Conference. Vuosikerta 1B-2018. The American Society of Mechanical Engineers ASME. 2018 <https://doi.org/10.1115/DETC201885895>

Wu J, Blattner T, Keyrouz W, Bhattacharyya SS. **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 V, Stan AC, Taibi D, Venters G, Windegger M. **Prioritizing corrective maintenance activities for android applications: An industrial case study on android crash reports.** julkaisussa Software Quality: Methods and Tools for Better Software and Systems - 10th International Conference, SWQD 2018, Proceedings. Springer-Verlag Berlin Heidelberg. 2018. s. 133-143. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-319-71440-0_8

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

Ugalde-Loo CE, Acha E, Licéaga-Castro E. **Analysis of the damping characteristics of two power electronics-based devices using 'individual channel analysis and design'.** Applied Mathematical Modelling. 2018 heinä 1;59:527-545.
<https://doi.org/10.1016/j.apm.2018.02.008>

Dehmer M, Chen Z, Emmert-Streib F, Shi Y, Tripathi S, Musa A et al. **Properties of graph distance measures by means of discrete inequalities.** Applied Mathematical Modelling. 2018 heinä 1;59:739-749.
<https://doi.org/10.1016/j.apm.2018.01.027>

Pantsar T, Rissanen S, Dauch D, Laitinen T, Vattulainen I, Poso A. **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 syys 10;14(9). e1006458. <https://doi.org/10.1371/journal.pcbi.1006458>

Ortombina L, Liegmann E, Karamanakos P, Tinazzi F, Zigliotto M, Kennel R. **Constrained Long-Horizon Direct Model Predictive Control for Synchronous Reluctance Motor Drives.** julkaisussa 2018 IEEE 19th Workshop on Control and Modeling for Power Electronics, COMPEL 2018. IEEE. 2018. 8460173 <https://doi.org/10.1109/COMPEL.2018.8460173>

Ponomarenko M, Egiazarian K, Lukin V, Abramova V. **Structural Similarity Index with Predictability of Image Blocks.** julkaisussa 2018 IEEE 17th International Conference on Mathematical Methods in Electromagnetic Theory, MMET 2018 - Proceedings. Vuosikerta 2018-July. IEEE COMPUTER SOCIETY PRESS. 2018. s. 115-118. 8460285
<https://doi.org/10.1109/MMET.2018.8460285>

Hautala I, Boutellier J, Nyländén T, Silvén O. **Toward Efficient Execution of RVC-CAL Dataflow Programs on Multicore Platforms.** Journal of Signal Processing Systems. 2018 marras;90(11):1507-1517. <https://doi.org/10.1007/s11265-018-1339-x>

Ottosen NS, Ristinmaa M, Kouhia R. **Enhanced multiaxial fatigue criterion that considers stress gradient effects.** International Journal of Fatigue. 2018 marras 1;116:128-139. <https://doi.org/10.1016/j.ijfatigue.2018.05.024>

Raunio J-P, Ritala R. **Active scanner control on paper machines**. Journal of Process Control. 2018 joulu 1;72:74-90. <https://doi.org/10.1016/j.jprocont.2018.09.012>

Georgiev GY, Aho T, Kesseli J, Yli-Harja O, Kauffman SA. **Action and power efficiency in self-organization: The case for growth efficiency as a cellular objective in escherichia coli**. julkaisussa Flores Martinez CL, Georgiev GY, Smart JM, Price ME, toimittajat, Evolution, Development and Complexity - Multiscale Evolutionary Models of Complex Adaptive Systems. Springer. 2019. s. 229-244. (Springer Proceedings in Complexity). https://doi.org/10.1007/978-3-030-00075-2_8

Taivalsaari A, Mikkonen T, Pautasso C, Systä K. **Client-Side Cornucopia: Comparing the Built-In Application Architecture Models in the Web Browser**. julkaisussa Escalona MJ, Domínguez Mayo F, Majchrzak TA, Monfort V, toimittajat, Web Information Systems and Technologies - 14th International Conference, WEBIST 2018, Revised Selected Papers. Springer. 2019. s. 1-24. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-030-35330-8_1

Laakom F, Raitoharju J, Iosifidis A, Nikkanen J, Gabbouj M. **Color Constancy Convolutional Autoencoder**. julkaisussa 2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019. IEEE. 2019. s. 1085-1090. 9002684 <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 A, Lahtinen V, Kangas JJJ, Kotiuga PR. **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 P, Lampu V, Meirhaeghe A, Boutellier J, Anttila L, Valkama M. **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 M, Ellman A, Coatanea E. **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 J, Meissner K. **On Confidences and Their Use in (Semi-)Automatic Multi-Image Taxa Identification**. julkaisussa 2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019. IEEE. 2019. s. 1338-1343. 9002975 <https://doi.org/10.1109/SSCI44817.2019.9002975>

Al-Ars Z, van der Vlugt S, Jääskeläinen P, van der Linden F. **ALMARVI System Solution for Image and Video Processing in Healthcare, Surveillance and Mobile Applications**. Journal of Signal Processing Systems. 2019 tammi;91(1):1-7. <https://doi.org/10.1007/s11265-018-1423-2>

Puonti M, Raitalaakso T. **Data Vault Mappings to Dimensional Model Using Schema Matching**. julkaisussa Doucek P, Basl J, Pavlicek A, Tjoa AM, Detter K, Raffai M, toimittajat, Research and Practical Issues of Enterprise Information Systems - 13th IFIP WG 8.9 International Conference, CONFENIS 2019, Proceedings. Springer. 2019. s. 55-64. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-030-37632-1_5

Yoo SK, Cotton SL, Sofotasios PC, Muhaidat S, Badarneh OS, Karagiannidis GK. **Energy Detection-Based Spectrum Sensing over Fisher-Snedecor F Fading Channels**. julkaisussa 2018 IEEE Global Communications Conference. IEEE. 2019. 8647778 <https://doi.org/10.1109/GLOCOM.2018.8647778>

Kovalchukov R, Moltchanov D, Begishev V, Samuylov A, Andreev S, Koucheryav Y et al. **Improved Session Continuity in 5G NR with Joint Use of Multi-Connectivity and Guard Bandwidth**. julkaisussa 2018 IEEE Global Communications Conference, GLOBECOM 2018. IEEE. 2019 <https://doi.org/10.1109/GLOCOM.2018.8647608>

Javanainen M, Enkavi G, Guixà-González R, Kulig W, Martinez-Seara H, Levental I et al. **Reduced level of docosahexaenoic acid shifts GPCR neuroreceptors to less ordered membrane regions.** PLoS Computational Biology. 2019 touko 1;15(5). e1007033. <https://doi.org/10.1371/journal.pcbi.1007033>

Kreutzer J, Viehrig M, Pölönen RP, Zhao F, Ojala M, Aalto-Setälä K et al. **Pneumatic unidirectional cell stretching device for mechanobiological studies of cardiomyocytes.** BIOMECHANICS AND MODELING IN MECHANOBIOLOGY. 2019 elo 23. <https://doi.org/10.1007/s10237-019-01211-8>

Räsänen O, Seshadri S, Karadayi J, Riebling E, Bunce J, Cristia A et al. **Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech.** Speech Communication. 2019 loka 1;113:63-80. <https://doi.org/10.1016/j.specom.2019.08.005>

Nanni L, Maguolo G, Paci M. **Data augmentation approaches for improving animal audio classification.** Ecological Informatics. 2020;57. 101084. <https://doi.org/10.1016/j.ecoinf.2020.101084>

Elfgen S, Rasilo P, Hameyer K. **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 A, Liu G, Mattavelli P, Messo T, Abedini H. **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 M, Perttu L, Alanen M, Luscietti D, Pilotelli M. **Safety at chimney-roof penetration: A numerical investigation.** julkaisussa Pernigotto G, Patuzzi F, Prada A, Corrado V, Gasparella A, toimittajat, Building Simulation Applications, BSA 2019 - 4th IBPSA-Italy Conference. Free University of Bozen Bolzano. 2020. s. 123-130. (Building Simulation Applications).

Ni X, Huttunen H. **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 C, Tahara S, Kohara S, Onodera Y, Småbråten DR, Selbach SM et al. **Very sharp diffraction peak in nonglass-forming liquid with the formation of distorted tetraclusters.** NPG ASIA MATERIALS. 2020;12(1). 43. <https://doi.org/10.1038/s41427-020-0220-0>