

- Nanni L, Maguolo G, Paci M. 2020. Data augmentation approaches for improving animal audio classification. *Ecological Informatics*. 57. <https://doi.org/10.1016/j.ecoinf.2020.101084>
- Elfgen S, Rasilo P, Hameyer K. 2020. 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*. <https://doi.org/10.1002/jnm.2781>
- 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>
- Neri M, Perttu L, Alanen M, Luscietti D, Pilotelli M. 2020. Safety at chimney-roof penetration: A numerical investigation. Pernigotto G, Patuzzi F, Prada A, Corrado V, Gasparella A, editors. In *Building Simulation Applications, BSA 2019 - 4th IBPSA-Italy Conference*. Free University of Bozen Bolzano. pp. 123-130. (Building Simulation Applications).
- 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>
- Koyama C, Tahara S, Kohara S, Onodera Y, Småbråten DR, Selbach SM, Akola J, Ishikawa T, Masuno A, Mizuno A, Okada JT, Watanabe Y, Nakata Y, Ohara K, Tamaru H, Oda H, Obayashi I, Hiraoka Y, Sakata O. 2020. Very sharp diffraction peak in nonglass-forming liquid with the formation of distorted tetraclusters. *NPG ASIA MATERIALS*. 12(1). <https://doi.org/10.1038/s41427-020-0220-0>
- Räsänen O, Seshadri S, Karadayi J, Riebling E, Bunce J, Cristia A, Metze F, Casillas M, Rosemberg C, Bergelson E, Soderstrom M. 2019. Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech. *Speech Communication*. 113:63-80. <https://doi.org/10.1016/j.specom.2019.08.005>
- Kreutzer J, Viehrig M, Pölönen RP, Zhao F, Ojala M, Aalto-Setälä K, Kallio P. 2019. Pneumatic unidirectional cell stretching device for mechanobiological studies of cardiomyocytes. *BIOMECHANICS AND MODELING IN MECHANOBIOLOGY*. <https://doi.org/10.1007/s10237-019-01211-8>
- Javanainen M, Enkavi G, Guixà-González R, Kulig W, Martinez-Seara H, Levental I, Vattulainen I. 2019. Reduced level of docosahexaenoic acid shifts GPCR neuroreceptors to less ordered membrane regions. *PLoS Computational Biology*. 15(5). <https://doi.org/10.1371/journal.pcbi.1007033>
- Yoo SK, Cotton SL, Sofotasios PC, Muhaidat S, Badarneh OS, Karagiannidis GK. 2019. Energy Detection-Based Spectrum Sensing over Fisher-Snedecor F Fading Channels. In *2018 IEEE Global Communications Conference*. IEEE. <https://doi.org/10.1109/GLOCOM.2018.8647778>
- Kovalchukov R, Moltchanov D, Begishev V, Samuylov A, Andreev S, Koucheryavy Y, Samouylov K. 2019. Improved Session Continuity in 5G NR with Joint Use of Multi-Connectivity and Guard Bandwidth. In *2018 IEEE Global Communications Conference, GLOBECOM 2018*. IEEE. <https://doi.org/10.1109/GLOCOM.2018.8647608>
- Puonti M, Raitalaakso T. 2019. Data Vault Mappings to Dimensional Model Using Schema Matching. Doucek P, Basl J, Pavlicek A, Tjoa AM, Detter K, Raffai M, editors. In *Research and Practical Issues of Enterprise Information Systems - 13th IFIP WG 8.9 International Conference, CONFENIS 2019, Proceedings*. Springer. pp. 55-64. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-030-37632-1_5
- 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>

- Georgiev GY, Aho T, Kesseli J, Yli-Harja O, Kauffman SA. 2019. Action and power efficiency in self-organization: The case for growth efficiency as a cellular objective in *Escherichia coli*. Flores Martinez CL, Georgiev GY, Smart JM, Price ME, editors. In *Evolution, Development and Complexity - Multiscale Evolutionary Models of Complex Adaptive Systems*. Springer. pp. 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. 2019. Client-Side Cornucopia: Comparing the Built-In Application Architecture Models in the Web Browser. Escalona MJ, Domínguez Mayo F, Majchrzak TA, Monfort V, editors. In *Web Information Systems and Technologies - 14th International Conference, WEBIST 2018, Revised Selected Papers*. Springer. pp. 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. 2019. Color Constancy Convolutional Autoencoder. In 2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019. IEEE. pp. 1085-1090. <https://doi.org/10.1109/SSCI44817.2019.9002684>
- Orelma H. 2019. Continuum approach to high-cycle fatigue. The finite life-time case with stochastic stress history. *Vestnik Samarskogo Gosudarstvennogo Tekhnicheskogo Universiteta, Seriya Fiziko-Matematicheskie Nauki*. 23(3):452-463. <https://doi.org/10.14498/vsgtu1705>
- Stockrahm A, Lahtinen V, Kangas JJJ, Kotiuga PR. 2019. Cuts for 3-D magnetic scalar potentials: Visualizing unintuitive surfaces arising from trivial knots. *Computers and Mathematics with Applications*. <https://doi.org/10.1016/j.camwa.2019.05.023>
- 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>
- Ahtiluoto M, Ellman A, Coatanea E. 2019. Model for evaluating additive manufacturing feasibility in end-use production. *Proceedings of the International Conference on Engineering Design, ICED*. 1(1):799-808. <https://doi.org/10.1017/dsi.2019.84>
- Raitoharju J, Meissner K. 2019. On Confidences and Their Use in (Semi-)Automatic Multi-Image Taxa Identification. In 2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019. IEEE. pp. 1338-1343. <https://doi.org/10.1109/SSCI44817.2019.9002975>
- Raunio J-P, Ritala R. 2018. Active scanner control on paper machines. *Journal of Process Control*. 72:74-90. <https://doi.org/10.1016/j.jprocont.2018.09.012>
- Ottosen NS, Ristinmaa M, Kouhia R. 2018. Enhanced multiaxial fatigue criterion that considers stress gradient effects. *International Journal of Fatigue*. 116:128-139. <https://doi.org/10.1016/j.ijfatigue.2018.05.024>
- Hautala I, Boutellier J, Nyländén T, Silvén O. 2018. Toward Efficient Execution of RVC-CAL Dataflow Programs on Multicore Platforms. *Journal of Signal Processing Systems*. 90(11):1507-1517. <https://doi.org/10.1007/s11265-018-1339-x>
- Pantsar T, Rissanen S, Dauch D, Laitinen T, Vattulainen I, Poso A. 2018. 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*. 14(9). <https://doi.org/10.1371/journal.pcbi.1006458>
- Ortombina L, Liegmann E, Karamanakos P, Tinazzi F, Zigliotto M, Kennel R. 2018. Constrained Long-Horizon Direct Model Predictive Control for Synchronous Reluctance Motor Drives. In 2018 IEEE 19th Workshop on Control and Modeling for Power Electronics, COMPEL 2018. IEEE. <https://doi.org/10.1109/COMPEL.2018.8460173>
- Ponomarenko M, Egiazarian K, Lukin V, Abramova V. 2018. Structural Similarity Index with Predictability of Image Blocks. In 2018 IEEE 17th International Conference on Mathematical Methods in Electromagnetic Theory, MMET 2018 - Proceedings. IEEE COMPUTER SOCIETY PRESS. pp. 115-118. <https://doi.org/10.1109/MMET.2018.8460285>

Ugalde-Loo CE, Acha E, Licéaga-Castro E. 2018. Analysis of the damping characteristics of two power electronics-based devices using "individual channel analysis and design". *Applied Mathematical Modelling*. 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, Mowshowitz A. 2018. Properties of graph distance measures by means of discrete inequalities. *Applied Mathematical Modelling*. 59:739-749. <https://doi.org/10.1016/j.apm.2018.01.027>

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

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

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

Järvinen H, Honkanen M, Järvenpää M, Peura P. 2018. Effect of paint baking treatment on the properties of press hardened boron steels. *Journal of Materials Processing Technology*. 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. 2018. 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. In *38th Computers and Information in Engineering Conference*. The American Society of Mechanical Engineers ASME. <https://doi.org/10.1115/DETC201885895>

Wu J, Blattner T, Keyrouz W, Bhattacharyya SS. 2018. Model-Based Dynamic Scheduling for Multicore Signal Processing. *Journal of Signal Processing Systems*. 1-14. <https://doi.org/10.1007/s11265-018-1412-5>

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

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

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

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

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>

Blattner T, Keyrouz W, Bhattacharyya SS, Halem M, Brady M. 2017. A Hybrid Task Graph Scheduler for High Performance Image Processing Workflows. *Journal of Signal Processing Systems*. 89(3):457–467. <https://doi.org/10.1007/s11265-017-1262-6>

Taibi D, Lenarduzzi V, Janes A, Liukkunen K, Ahmad MO. 2017. Comparing requirements decomposition within the Scrum, Scrum with Kanban, XP, and Banana development processes. In *Agile Processes in Software Engineering and Extreme Programming - 18th International Conference, XP 2017, Proceedings*. Springer Verlag. pp. 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. 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, Nyländen 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>

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

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

Kim SC, Bhattacharyya SS. 2017. Implementation of a Multirate Resampler for Multi-carrier Systems on GPUs. *Journal of Signal Processing Systems*. 89(3):445–455. <https://doi.org/10.1007/s11265-017-1239-5>

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

Lindroos M, Laukkanen A, Cailletaud G, Kuokkala V-T. 2017. 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*. 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, Juntti M, Valkama M, Cavallaro JR. 2017. Parallel Digital Predistortion Design on Mobile GPU and Embedded Multicore CPU for Mobile Transmitters. *Journal of Signal Processing Systems*. 89(3):417–430. <https://doi.org/10.1007/s11265-017-1233-y>

Fedorov S, Orlov Y, Samuylov A, Moltchanov D, Gaidamaka Y, Samouylov K, Shorgin S. 2017. Sir distribution in D2D environment with non-stationary mobility of users. In *Proceedings - 31st European Conference on Modelling and Simulation, ECMS 2017. EUROPEAN COUNCIL FOR MODELLING AND SIMULATION*. pp. 720-725. <https://doi.org/10.7148/2017-0720>

Salo M, Pirkkalainen H, Koskelainen T. 2017. Technostress and social networking services: Uncovering strains and their underlying stressors. In *Nordic Contributions in IS Research - 8th Scandinavian Conference on Information Systems, SCIS 2017, Proceedings*. Springer Verlag. pp. 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, Gaidamaka Y, Samouylov K. 2017. Time-dependent SIR modeling for D2D communications in indoor deployments. In *Proceedings - 31st European Conference on Modelling and Simulation, ECMS 2017. EUROPEAN COUNCIL FOR MODELLING AND SIMULATION*. pp. 726-731.

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

Palyulin VV, Chechkin AV, Klages R, Metzler R. 2016. Search reliability and search efficiency of combined Lévy-Brownian motion: Long relocations mingled with thorough local exploration. *Journal of Physics A: Mathematical and Theoretical*. 49(39). <https://doi.org/10.1088/1751-8113/49/39/394002>

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

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

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

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>

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

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

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

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

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

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

Sandev T, Iomin A, Kantz H, Metzler R, Chechkin A. 2016. Comb Model with Slow and Ultraslow Diffusion. *Mathematical Modelling of Natural Phenomena*. 11(3):18-33. <https://doi.org/10.1051/mmnp/201611302>

Suominen A, Hyrynsalmi S, Seppänen M. 2016. Ecosystems Here, There, and Everywhere — A Barometrical Analysis of the Roots of 'Software Ecosystem'. In *Software Business: 7th International Conference, ICSOB 2016, Ljubljana, Slovenia, June 13-14, 2016, Proceedings*. Springer Verlag. pp. 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. 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>
- Chukhman I, Jiao Y, Salem HB, Bhattacharyya SS. 2016. Instrumentation-Driven Validation of Dataflow Applications. *Journal of Signal Processing Systems*. 84(3):383–397. <https://doi.org/10.1007/s11265-015-1073-6>
- Hokkanen L, Kuusinen K, Väänänen K. 2016. Minimum viable user experience: A framework for supporting product design in startups. In *Agile Processes, in Software Engineering, and Extreme Programming: 17th International Conference, XP 2016*, Edinburgh, UK, May 24–27, 2016, Proceedings. Springer Verlag. pp. 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, Shorgin S. 2016. Sir analysis in square-shaped indoor premises. In *Proceedings - 30th European Conference on Modelling and Simulation, ECMS 2016. EUROPEAN COUNCIL FOR MODELLING AND SIMULATION*. pp. 692–697. <https://doi.org/10.7148/2016-0692>
- Ruohonen J, Hyrynsalmi S, Leppänen V. 2016. Software vulnerability life cycles and the age of software products: An empirical assertion with operating system products. In *Advanced Information Systems Engineering Workshops - CAiSE 2016 International Workshops, Proceedings*. Springer Verlag. pp. 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. 2016. Target tracking via combination of particle filter and optimisation techniques. *International Journal of Mathematical Modelling and Numerical Optimization*. 7(2):212–229. <https://doi.org/10.1504/IJMMNO.2016.077068>
- Yrjönkoski K, Helander N, Jaakkola H. 2016. To network or not to network? Analysis of the Finnish software industry-A networking approach. In *Software Business: 7th International Conference, ICSOB 2016*, Ljubljana, Slovenia, June 13–14, 2016, Proceedings. Springer Verlag. pp. 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. 2016. Towards a lean approach to reduce code smells injection: An empirical study. In *Agile Processes in Software Engineering and Extreme Programming - 17th International Conference, XP 2016*, Proceedings. Springer Verlag. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-319-33515-5_30
- Ylinen A, Mäkinen J, Kouhia R. 2016. Two models for hydraulic cylinders in flexible multibody simulations. In *Computational Methods for Solids and Fluids: Multiscale Analysis, Probability Aspects and Model Reduction*. Springer. pp. 463–493. (Computational Methods in Applied Sciences). https://doi.org/10.1007/978-3-319-27996-1_17
- López MB, Nieto A, Silvén O, Bóutellier J, Vilariño DL. 2015. Reconfigurable computing for future vision-capable devices. In *Proceedings - 2015 International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation, SAMOS 2015*. Institute of Electrical and Electronics Engineers Inc. pp. 34–41. <https://doi.org/10.1109/SAMOS.2015.7363657>
- Karamanakos P, Geyer T, Kennel R. 2015. Computationally efficient optimization algorithms for model predictive control of linear systems with integer inputs. In *2015 54th IEEE Conference on Decision and Control, CDC 2015*. pp. 3663–3668. <https://doi.org/10.1109/CDC.2015.7402787>
- Bencheikh K, Räsänen E. 2015. Hermitian one-particle density matrix through a semiclassical gradient expansion. *Journal of Physics A: Mathematical and Theoretical*. 49(1). <https://doi.org/10.1088/1751-8113/49/1/015205>
- Safdari H, Cherstvy AG, Chechkin AV, Thiel F, Sokolov IM, Metzler R. 2015. Quantifying the non-ergodicity of scaled Brownian motion. *Journal of Physics A: Mathematical and Theoretical*. 48(37). <https://doi.org/10.1088/1751-8113/48/37/375002>

- Ruohonen J, Hyrynsalmi S, Leppänen V. 2015. Software evolution and time series volatility: An empirical exploration. In 14th International Workshop on Principles of Software Evolution, IWPSE 2015 - Proceedings. Institute of Electrical and Electronics Engineers Inc. pp. 56-65. <https://doi.org/10.1145/2804360.2804367>
- Levin M, Rojas E, Vanhala E, Vippola M, Liguori B, Kling KI, Koponen IK, Mølhave K, Tuomi T, Gregurec D, Moya S, Jensen KA. 2015. Influence of relative humidity and physical load during storage on dustiness of inorganic nanomaterials: implications for testing and risk assessment. *Journal of Nanoparticle Research*. 17(8). <https://doi.org/10.1007/s11051-015-3139-6>
- Krüsemann H, Godec A, Metzler R. 2015. Ageing first passage time density in continuous time random walks and quenched energy landscapes. *Journal of Physics A: Mathematical and Theoretical*. 48(28). <https://doi.org/10.1088/1751-8113/48/28/285001>
- Matos Simoes RD, Dalleau S, Williamson KE, Emmert-Streib F. 2015. Urothelial cancer gene regulatory networks inferred from large-scale RNAseq, Bead and Oligo gene expression data. *BMC Systems Biology*. 9. <https://doi.org/10.1186/s12918-015-0165-z>
- Koivisto AJ, Aromaa M, Koponen IK, Fransman W, Jensen KA, Mäkelä JM, Hämeri KJ. 2015. Workplace performance of a loose-fitting powered air purifying respirator during nanoparticle synthesis. *Journal of Nanoparticle Research*. 17(4). <https://doi.org/10.1007/s11051-015-2990-9>
- Blavatska V, Metzler R. 2015. Conformational properties of complex polymers: Rosette versus star-like structures. *Journal of Physics A: Mathematical and Theoretical*. 48(13). <https://doi.org/10.1088/1751-8113/48/13/135001>
- Di Gironimo G, Lanzotti A, Marzullo D, Esposito G, Carfora D, Siuko M. 2015. Iterative and Participative Axiomatic Design Process in complex mechanical assemblies: case study on fusion engineering. *International Journal on Interactive Design and Manufacturing*. 9(4):325-338. <https://doi.org/10.1007/s12008-015-0270-7>
- Nix E, Das P, Taylor J, Davies M. 2015. Employing a multi-Objective robust optimisation method for healthy and low-energy dwelling design in Delhi, India. In *Proceedings of the 2014 Building Simulation and Optimization Conference*. pp. 2093-2100.
- Takalo R, Hytti H, Ihalainen H, Sohlberg A. 2015. Adaptive autoregressive model for reduction of noise in SPECT. *Computational and Mathematical Methods in Medicine*. 2015. <https://doi.org/10.1155/2015/494691>
- Pertilä P, Nikunen J. 2015. Distant speech separation using predicted time-frequency masks from spatial features. *Speech Communication*. 68:97-106. <https://doi.org/10.1016/j.specom.2015.01.006>
- Lenarduzzi V, Lunesu I, Matta M, Taibi D. 2015. Functional size measures and effort estimation in agile development: A replicated study. In *Agile Processes, in Software Engineering, and Extreme Programming - 16th International Conference, XP 2015, Proceedings*. Springer-Verlag Berlin Heidelberg. pp. 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. 2015. Lean software startup – an experience report from an entrepreneurial software business course. In *Software Business - 6th International Conference, ICSOB 2015, Proceedings*. Springer Verlag. pp. 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. 2015. Passive condition pre-enforcement for rights exporting. In *Perspectives in Business Informatics Research - 14th International Conference, BIR 2015, Proceedings*. Springer Verlag. pp. 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. 2015. The assessment of constructability: BIM cases. In *eWork and eBusiness in Architecture, Engineering and Construction - Proceedings of the 10th European Conference on Product and Process Modelling, ECPPM 2014*. CRC Press/Balkema. pp. 55-61.

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

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

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

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

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

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>

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

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

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

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>

Wang LH, Shen CC, Wu S, Bhattacharyya SS. 2013. Parameterized scheduling of topological patterns in signal processing dataflow graphs. *Journal of Signal Processing Systems*. 71(3):275-286. <https://doi.org/10.1007/s11265-012-0719-x>

Desnos K, Pelcat M, Nezan JF, Bhattacharyya SS, Aridhi S. 2013. PiMM: Parameterized and interfaced dataflow meta-model for MPSoCs runtime reconfiguration. In Proceedings - 2013 International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation, IC-SAMOS 2013. IEEE COMPUTER SOCIETY PRESS. pp. 41-48. <https://doi.org/10.1109/SAMOS.2013.6621104>

Ogeya MC, Coatanéa E, Medyna G. 2013. Theory driven design and real proto typing of biomass pyrolytic stove. In Proceedings of the International Conference on Engineering Design, ICED. pp. 69-78.

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

- Emmert-Streib F, Tripathi S, Matos Simoes RD. 2012. Harnessing the complexity of gene expression data from cancer: From single gene to structural pathway methods. *Biology Direct*. 7. <https://doi.org/10.1186/1745-6150-7-44>
- Kouhia R, Tūma M, Mäkinen J, Fedoroff A, Marjamäki H. 2012. Implementation of a direct procedure for critical point computations using preconditioned iterative solvers. *Computers & Structures*. 108-109:110-117. <https://doi.org/10.1016/j.compstruc.2012.02.009>
- Kalimeri M, Constantoudis V, Papadimitriou C, Karamanos K, Diakonos FK, Papageorgiou H. 2012. Entropy analysis of word-length series of natural language texts: Effects of text language and genre. *INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS*. 22(9). <https://doi.org/10.1142/S0218127412502239>
- de Matos Simoes R, Tripathi S, Emmert-Streib F. 2012. Organizational structure and the periphery of the gene regulatory network in B-cell lymphoma. *BMC Systems Biology*. 6. <https://doi.org/10.1186/1752-0509-6-38>
- Pereira DG, Rodrigues PC, Mejza S, Mexia JT. 2012. A comparison between joint regression analysis and the AMMI model: A case study with barley. *JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION*. 82(2):193-207. <https://doi.org/10.1080/00949655.2011.615839>
- Min J, Xiang Z, Zhiming Z, Tentzeris MM. 2012. A hybrid optimization grey model based on segmented gra and multi-strategy contest for short-term power load forecasting. *JOURNAL OF GREY SYSTEM*. 24(1):15-28.
- Lu W, Zhang Z, Nummenmaa J. 2012. Characterizing trustworthy digital rights exporting. In *Perspectives in Business Informatics Research - 11th International Conference, BIR 2012, Proceedings*. Springer Verlag. pp. 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. 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>
- Bakhouya M, Chariete A, Gaber J, Wack M, Niar S, Coatanea E. 2012. Performance evaluation of a flow control algorithm for network-on-chip. In *Proceedings of the 2012 International Conference on High Performance Computing and Simulation, HPCS 2012*. pp. 281-287. <https://doi.org/10.1109/HPCSim.2012.6266925>
- Nylanden T, Boutellier J, Nikunen K, Hannuksela J, Silven O. 2012. Reconfigurable miniature sensor nodes for condition monitoring. In *Proceedings - 2012 International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation, IC-SAMOS 2012*. pp. 113-119. <https://doi.org/10.1109/SAMOS.2012.6404164>
- Hyrnsalmi S, Suominen A, Mäkilä T, Järvi A, Knuutila T. 2012. Revenue models of application developers in android market ecosystem. In *Software Business - Third International Conference, ICSOB 2012, Proceedings*. Springer Verlag. pp. 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. 2012. The development of constructability using BIM as an intensifying technology. In *eWork and eBusiness in Architecture, Engineering and Construction - Proceedings of the European Conference on Product and Process Modelling 2012, ECPPM 2012*. pp. 713-716.
- Niinimäki M, Niemi T, Martin S, Nummenmaa J, Thanisch P. 2012. Timely report production from WWW data sources. In *Workshops on Business Informatics Research, BIR 2011 International Workshops and Doctoral Consortium, Revised Selected Papers*. Springer Verlag. pp. 184-195. (Lecture Notes in Business Information Processing). <https://doi.org/10.1007/978-3-642-29231-6-15>
- Halonen A, Hyrnsalmi S, Kimppa KK, Knuutila T, Smed J, Hakonen H. 2012. Towards usability heuristics for games utilizing speech recognition. In *4th Asian Conference on Intelligent Games and Simulation, GAME-ON ASIA 2012 - 4th Asian Simulation Technology Conference, ASTEC 2012*. EUROSIS. pp. 51-55.

- Altay G, Emmert-Streib F. 2011. Structural influence of gene networks on their inference: Analysis of C3NET. *Biology Direct*. 6. <https://doi.org/10.1186/1745-6150-6-31>
- Emmert-Streib F, Dehmer M. 2011. Networks for systems biology: Conceptual connection of data and function. *IET Systems Biology*. 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. 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>
- Emmert-Streib F, Glazko GV. 2011. Pathway analysis of expression data: Deciphering functional building blocks of complex diseases. *PLoS Computational Biology*. 7(5). <https://doi.org/10.1371/journal.pcbi.1002053>
- Boutellier J, Lucarz C, Lafond S, Gomez VM, Mattavelli M. 2011. Quasi-static scheduling of CAL actor networks for reconfigurable video coding. *Journal of Signal Processing Systems*. 63(2):191-202. <https://doi.org/10.1007/s11265-009-0389-5>
- Gu R, Janneck JW, Raulet M, Bhattacharyya SS. 2011. Exploiting statically schedulable regions in dataflow programs. *Journal of Signal Processing Systems*. 63(1):129-142. <https://doi.org/10.1007/s11265-009-0445-1>
- Lavazza L, Morasca S, Taibi D, Tosi D. 2011. OP2A: How to improve the quality of the web portal of open source software products. In *Web Information Systems and Technologies - 7th International Conference, WEBIST 2011, Revised Selected Papers*. Springer Verlag. pp. 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. 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>
- Thanisch P, Niemi T, Niinimäki M, Nummenmaa J. 2011. Using the entity-attribute-value model for olap cube construction . In *Perspectives in Business Informatics Research - 10th International Conference, BIR 2011, Proceedings*. Springer Verlag. pp. 59-72. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-642-24511-4_5
- Altay G, Emmert-Streib F. 2010. Inferring the conservative causal core of gene regulatory networks. *BMC Systems Biology*. 4. <https://doi.org/10.1186/1752-0509-4-132>
- Emmert-Streib F, Altay G. 2010. Local network-based measures to assess the inferability of different regulatory networks. *IET Systems Biology*. 4(4):277-288. <https://doi.org/10.1049/iet-syb.2010.0028>
- Coatanéa E, Ritola T, Tumer IY, Jensen D. 2010. A framework for building behavioral models for design-stage failure identification using dimensional analysis. In *Proceedings of the ASME Design Engineering Technical Conference. AMER SOC MECHANICAL ENGINEERS*. pp. 591-601. <https://doi.org/10.1115/DETC2010-28864>
- Lavazza L, Morasca S, Taibi D, Tosi D. 2010. Applying SCRUM in an OSS development process: An empirical evaluation . In *Agile Processes in Software Engineering and Extreme Programming - 11th International Conference, XP 2010, Proceedings*. Springer Verlag. pp. 147-159. (Lecture Notes in Business Information Processing). https://doi.org/10.1007/978-3-642-13054-0_11
- Emmert-Streib F, Dehmer M. 2009. Hierarchical coordination of periodic genes in the cell cycle of *Saccharomyces cerevisiae*. *BMC Systems Biology*. 3. <https://doi.org/10.1186/1752-0509-3-76>
- Acimovic J. 2009. Neural networks, cell cultures and some older work on data analysis. Paper presented at Okinawa Computational Neuroscience Course 2009, Japan.

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

Coatanéa E, Yannou B, Honkala S, Lajunen A, Saarelainen T, Makkonen P. 2008. Measurement theory and dimensional analysis: Methodological impact on the comparison and evaluation process. In 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. pp. 173-182. <https://doi.org/10.1115/DETC2007-34364>

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

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

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

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