Turunen E. 2020. Necessary and sufficient conditions for the existence of solution of generalized fuzzy relation equations A ⇔X = B. Information Sciences. 536:351-357. https://doi.org/10.1016/j.ins.2020.05.015

Netzev M, Angleraud A, Pieters R. 2020. Soft robotic gripper with compliant cell stacks for industrial part handling. IEEE Robotics and Automation Letters. 5(4):6821-6828. https://doi.org/10.1109/LRA.2020.3020546

Terryn L, Calders K, Disney M, Origo N, Malhi Y, Newnham G, Raumonen P, Åkerblom M, Verbeeck H. 2020. Tree species classification using structural features derived from terrestrial laser scanning. ISPRS Journal of Photogrammetry and Remote Sensing. 168:170-181. https://doi.org/10.1016/j.isprsjprs.2020.08.009

Bardinova Y, Zhidanov K, Bezzateev S, Komarov M, Ometov A. 2020. Measurements of Mobile Blockchain Execution Impact on Smartphone Battery. Data. 5(3). https://doi.org/10.3390/data5030066

Lampinen S, Niemi J, Mattila J. 2020. Flow-bounded trajectory-scaling algorithm for hydraulic robotic manipulators. teoksessa 2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020. IEEE. Sivut 619-624. (IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM). https://doi.org/10.1109/AIM43001.2020.9158851

Ghorbani M, Dehmer M, Cao S, Feng L, Tao J, Emmert-Streib F. 2020. On the zeros of the partial Hosoya polynomial of graphs. Information Sciences. 524:199-215. https://doi.org/10.1016/j.ins.2020.03.011

Rostami S, Kela P, Leppanen K, Valkama M. 2020. Wake-up Radio-Based 5G Mobile Access: Methods, Benefits, and Challenges. IEEE Communications Magazine. 58(7):14-20. https://doi.org/10.1109/MCOM.001.1900614

Samuylov A, Moltchanov D, Kovalchukov R, Pirmagomedov R, Gaidamaka Y, Andreev S, Koucheryavy Y, Samouylov K. 2020. Characterizing Resource Allocation Trade-Offs in 5G NR Serving Multicast and Unicast Traffic. IEEE Transactions on Wireless Communications. 19(5):3421-3434. https://doi.org/10.1109/TWC.2020.2973375

Serra A, Fratello M, Del Giudice G, Saarimäki LA, Paci M, Federico A, Greco D. 2020. TinderMIX: Time-dose integrated modelling of toxicogenomics data. GigaScience. 9(5). https://doi.org/10.1093/gigascience/giaa055

Adonias GL, Yastrebova A, Barros MT, Koucheryavy Y, Cleary F, Balasubramaniam S. 2020. Utilizing Neurons for Digital Logic Circuits: A Molecular Communications Analysis. IEEE Transactions on Nanobioscience. 19(2):224-236. https://doi.org/10.1109/TNB.2020.2975942

Tripathy S, Kannala J, Rahtu E. 2020. ICface: Interpretable and controllable face reenactment using GANs. teoksessa 2020 IEEE Winter Conference on Applications of Computer Vision, WACV 2020. IEEE. Sivut 3374-3383. (IEEE Winter Conference on Applications of Computer Vision). https://doi.org/10.1109/WACV45572.2020.9093474

Nupponen J, Taibi D. 2020. Serverless: What it Is, What to Do and What Not to Do. teoksessa 2020 IEEE International Conference on Software Architecture Companion, ICSA-C 2020. IEEE. Sivut 49-50. https://doi.org/10.1109/ICSA-C50368.2020.00016

Wang Y, Zhao Y, Pan Z, Suomalainen S, Härkönen A, Guina M, Griebner U, Wang L, Loiko P, Mateos X, Chen W, Petrov V. 2020. 73-fs SESAM mode-locked Tm,Ho:CNGG laser at 2061 nm. Clarkson WA, Shori RK, Toimittajat. teoksessa Solid State Lasers XXIX: Technology and Devices. SPIE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2548180

Kanellis G, Oksanen A, Konttinen J. 2020. Adjoint-based optimization in the development of low-emission industrial boilers . Engineering Optimization. https://doi.org/10.1080/0305215X.2020.1781842

Phung HM, Kahle H, Penttinen J-P, Rajala P, Ranta S, Guina M. 2020. A membrane external-cavity surface-emitting laser (MECSEL) with emission around 825 nm. Hastie JE, Toimittaja. teoksessa Vertical External Cavity Surface Emitting Lasers (VECSELs) X. SPIE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2545980

Yan S, Wirta J, Kämäräinen J-K. 2020. Anthropometric clothing measurements from 3D body scans. Machine Vision and Applications. 31(1-2). https://doi.org/10.1007/s00138-019-01054-4

Kulya MS, Katkovnik V, Egiazarian K, Petrov NV. 2020. Complex-domain sparse imaging in terahertz pulse time-domain holography with balance detection. Sadwick LP, Yang T, Toimittajat. teoksessa Terahertz, RF, Millimeter, and Submillimeter-Wave Technology and Applications XIII. SPIE. (Proceedings of SPIE). https://doi.org/10.1117/12.2549001

Vainio M. 2020. Continuous-wave optical parametric oscillators for mid-infrared spectroscopy. Schunemann PG, Schepler KL, Toimittajat. teoksessa Nonlinear Frequency Generation and Conversion: Materials and Devices XIX. SPIE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2548711

Malik A, Dhir A, Kaur P, Johri A. 2020. Correlates of social media fatigue and academic performance decrement: A large cross-sectional study. INFORMATION TECHNOLOGY AND PEOPLE. https://doi.org/10.1108/ITP-06-2019-0289

Nejadsattari F, Zhang Y, Jayakody MN, Bouchard F, Larocque H, Sit A, Fickler R, Cohen E, Karimi E. 2020. Cyclic quantum walks: Photonic realization and decoherence analysis. Hemmer PR, Migdall AL, Hasan ZU, Toimittajat. teoksessa Advanced Optical Techniques for Quantum Information, Sensing, and Metrology. SPIE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2546566

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

Jylhä H, Hamari J. 2020. Development of measurement instrument for visual qualities of graphical user interface elements (VISQUAL): a test in the context of mobile game icons. User Modeling and User-Adapted Interaction. https://doi.org/10.1007/s11257-020-09263-7

Ali I, Durmush A, Suominen O, Yli-Hietanen J, Peltonen S, Collin J, Gotchev A. 2020. FinnForest dataset: A forest landscape for visual SLAM. ROBOTICS AND AUTONOMOUS SYSTEMS. 132. https://doi.org/10.1016/j.robot.2020.103610

Goranko V, Kuusisto A, Rönnholm R. 2020. Game-theoretic semantics for ATL^+ with applications to model checking. Information and Computation. https://doi.org/10.1016/j.ic.2020.104554

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

Gao H, Tao J, Dehmer M, Emmert-Streib F, Sun Q, Chen Z, Xie G, Zhou Q. 2020. In-flightwind field identification and prediction of parafoil systems. Applied Sciences (Switzerland). 10(6). https://doi.org/10.3390/app10061958

Andreev S, Dobre C, Misra P. 2020. Internet of Things and Sensor Networks. IEEE Communications Magazine. 58(2):34-34. https://doi.org/10.1109/MCOM.2020.8999424

Lenk K, Gleirscher M, Nestler S, Rödiger S, Petersen T, Loebel JM. 2020. Lage und Zukunft des wissenschaftlichen Nachwuchses: Eine Stellungnahme des Beirats des Wissenschaftlichen Nachwuchses (WiN) der Gesellschaft für Informatik (GI e.V.). Informatik-Spektrum. 43(2):94–102. https://doi.org/10.1007/s00287-020-01250-x

Hemmilä S, Ruponen M, Toropainen E, Tengvall-Unadike U, Urtti A, Kallio P. 2020. Microflow-Based Device for In Vitro and Ex Vivo Drug Permeability Studies. SLAS Technology. https://doi.org/10.1177/2472630320916190

Moloudian G, Miri Rostami SR, Björninen T. 2020. Modified Wilkinson power divider with harmonics suppression and compact size for GSM applications. International Journal of RF and Microwave Computer-Aided Engineering. https://doi.org/10.1002/mmce.22209

Lauri M, Pajarinen J, Peters J, Frintrop S. 2020. Multi-sensor next-best-view planning as matroid-constrained submodular maximization. IEEE Robotics and Automation Letters. 5(4):5323-5330. https://doi.org/10.1109/LRA.2020.3007445

Baldassarre MT, Lenarduzzi V, Romano S, Saarimäki N. 2020. On the diffuseness of technical debt items and accuracy of remediation time when using SonarQube. Information and Software Technology. 128. https://doi.org/10.1016/j.infsof.2020.106377

Taibi D, El Ioini N, Pahl C, Niederkofler JRS. 2020. Patterns for serverless functions (Function-as-a-Service): A multivocal literature review. Ferguson D, Helfert M, Pahl C, Toimittajat. teoksessa CLOSER 2020 - Proceedings of the 10th International Conference on Cloud Computing and Services Science. SCITEPRESS. Sivut 181-192. https://doi.org/10.5220/0009578501810192

Pajarinen J, Arenz O, Peters J, Neumann G. 2020. Probabilistic approach to physical object disentangling. IEEE Robotics and Automation Letters. 5(4):5510-5517. https://doi.org/10.1109/LRA.2020.3006789

Kulya MS, Sokolenko B, Gorodetsky A, Petrov NV. 2020. Propagation dynamics of ultrabroadband terahertz beams with orbital angular momentum for wireless data transfer. Dingel BB, Tsukamoto K, Mikroulis S, Toimittajat. teoksessa Broadband Access Communication Technologies XIV. SPIE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2547695

Mäkinen P, Mustalahti P, Launis S, Mattila J. 2020. Redundancy-based visual tool center point pose estimation for long-reach manipulators. teoksessa 2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020. IEEE. Sivut 1387-1393. (IEEE/ASME International Conference on Advanced Intelligent Mechatronics). https://doi.org/10.1109/AIM43001.2020.9159022

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, Toimittajat. teoksessa Building Simulation Applications, BSA 2019 - 4th IBPSA-Italy Conference. Free University of Bozen Bolzano. Sivut 123-130. (Building Simulation Applications).

Fu S, Li H, Liu Y, Pirkkalainen H, Salo M. 2020. Social media overload, exhaustion, and use discontinuance: Examining the effects of information overload, system feature overload, and social overload. INFORMATION PROCESSING AND MANAGEMENT. 57(6). https://doi.org/10.1016/j.ipm.2020.102307

Urama J, Wiren R, Galinina O, Kauppi J, Hiltunen K, Erkkilä J, Chernogorov F, Eteläaho P, Heikkilä M, Torsner J, Andreev S, Valkama M. 2020. UAV-Aided Interference Assessment for Private 5G NR Deployments: Challenges and Solutions. IEEE Communications Magazine. 58(8):89-95. https://doi.org/10.1109/MCOM.001.2000042

Deng S, Jiang Y, Li H, Liu Y. 2020. Who contributes what? Scrutinizing the activity data of 4.2 million Zhihu users via immersion scores. INFORMATION PROCESSING AND MANAGEMENT. 57(5). https://doi.org/10.1016/j.ipm.2020.102274

Wang W, Talvitie J, Adamova EJ, Fath T, Korenciak L, Valkama M, Lohan ES. 2019. Empowering Heterogeneous Communication Data Links in General Aviation through mmWave Signals. IEEE Wireless Communications. 26(6):164-171. https://doi.org/10.1109/MWC.0001.1800593

Deng S, Tong J, Lin Y, Li H, Liu Y. 2019. Motivating scholars' responses in academic social networking sites: An empirical study on ResearchGate Q&A behavior. INFORMATION PROCESSING AND MANAGEMENT. 56(6). https://doi.org/10.1016/j.ipm.2019.102082

Motlagh HDK, Lotfi F, Taghirad HD, Germi SB. 2019. Position Estimation for Drones based on Visual SLAM and IMU in GPS-denied Environment. teoksessa ICRoM 2019 - 7th International Conference on Robotics and Mechatronics. IEEE. Sivut 120-124. https://doi.org/10.1109/ICRoM48714.2019.9071826

Pirkkalainen H, Salo M, Tarafdar M, Makkonen M. 2019. Deliberate or Instinctive? Proactive and Reactive Coping for Technostress. Journal of Management Information Systems. 36(4):1179-1212. https://doi.org/10.1080/07421222.2019.1661092

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

Lwakatare LE, Kilamo T, Karvonen T, Sauvola T, Heikkilä V, Itkonen J, Kuvaja P, Mikkonen T, Oivo M, Lassenius C. 2019. DevOps in practice: A multiple case study of five companies. Information and Software Technology. 114:217-230. https://doi.org/10.1016/j.infsof.2019.06.010

De Oliveira MT, Michalas A, Groot AED, Marquering HA, Olabarriaga SD. 2019. Red Alert: Break-Glass Protocol to Access Encrypted Medical Records in the Cloud. teoksessa 2019 IEEE International Conference on E-Health Networking, Application and Services, HealthCom 2019. IEEE. https://doi.org/10.1109/HealthCom46333.2019.9009598

Andreev S, Dobre C. 2019. The Internet of Things and Sensor Networks. IEEE Communications Magazine. 57(9):70-70. https://doi.org/10.1109/MCOM.2019.8847229

Yu G, Dehmer M, Emmert-Streib F, Jodlbauer H. 2019. Hermitian normalized Laplacian matrix for directed networks. Information Sciences. 495:175-184. https://doi.org/10.1016/j.ins.2019.04.049

Jameel F, Chang Z, Huang J, Ristaniemi T. 2019. Internet of Autonomous Vehicles: Architecture, Features, and Socio-Technological Challenges. IEEE Wireless Communications. 26(4):21-29. https://doi.org/10.1109/MWC.2019.1800522

Yang D, Qian Y, Cai D, Yan S, Kämäräinen J-K, Chen K. 2019. Visibility-Aware Part Coding for Vehicle Viewing Angle Estimation. teoksessa 9th International Conference on Information Science and Technology, ICIST 2019. IEEE. Sivut 65-70. https://doi.org/10.1109/ICIST.2019.8836907

Robertsén F, Mattila K, Westerholm J. 2019. High-performance SIMD implementation of the lattice-Boltzmann method on the Xeon Phi processor. Concurrency Computation. 31(13). https://doi.org/10.1002/cpe.5072

Sylari A, Ferrer BR, Lastra JLM. 2019. Hand gesture-based on-line programming of industrial robot manipulators. teoksessa 2019 IEEE 17th International Conference on Industrial Informatics, INDIN 2019. IEEE. Sivut 827-834. (IEEE International Conference on Industrial Informatics (INDIN)). https://doi.org/10.1109/INDIN41052.2019.8972301

Tahir MA, Mahmoodpour M, Lobov A. 2019. KPI-ML based integration of industrial information systems. teoksessa 2019 IEEE 17th International Conference on Industrial Informatics, INDIN 2019. IEEE. Sivut 93-99. (IEEE International Conference on Industrial Informatics (INDIN)). https://doi.org/10.1109/INDIN41052.2019.8972139

Gao Y, Bregovic R, Gotchev A, Koch R. 2019. MAST: Mask-accelerated shearlet transform for densely-sampled light field reconstruction. teoksessa 2019 IEEE International Conference on Multimedia and Expo, ICME 2019. IEEE. Sivut 187-192. https://doi.org/10.1109/ICME.2019.00040

Godbole TR, Calvo-Fullana M, Pyattaev A, Mox D, Andreev S, Ribeiro A, Valkama M. 2019. Modeling mmWave Channels in High-Fidelity Simulations of Unmanned Aerial Systems. teoksessa 2019 IEEE 20th International Workshop on Signal Processing Advances in Wireless Communications, SPAWC 2019. IEEE. (IEEE International Workshop on Signal Processing Advances in Wireless Communications). https://doi.org/10.1109/SPAWC.2019.8815528

Zhu L, Wang T, Aksu E, Kämäräinen J-K. 2019. Portrait instance segmentation for mobile devices. teoksessa 2019 IEEE International Conference on Multimedia and Expo, ICME 2019. IEEE. Sivut 1630-1635. https://doi.org/10.1109/ICME.2019.00281

Mäkelä V, Linna J, Keskinen T, Hakulinen J, Turunen M. 2019. Acceptance and perceptions of interactive location-tracking displays. Gentile V, Cauchard JR, Toimittajat. teoksessa Pervasive Displays 2019 - 8th ACM International Symposium on Pervasive Displays, PerDis 2019. ACM. https://doi.org/10.1145/3321335.3324931

Marcián P, Narra N, Borák L, Chamrad J, Wolff J. 2019. Biomechanical performance of cranial implants with different thicknesses and material properties: A finite element study. Computers in Biology and Medicine. 109:43-52. https://doi.org/10.1016/j.compbiomed.2019.04.016

Mikhaylov K, Petrov V, Gupta R, Lema MA, Galinina O, Andreev S, Koucheryavy Y, Valkama M, Pouttu A, Dohler M. 2019. Energy Efficiency of Multi-Radio Massive Machine-Type Communication (MR-MMTC): Applications, Challenges, and Solutions. IEEE Communications Magazine. 57(6):100-106. https://doi.org/10.1109/MCOM.2019.1800394

Amato G, Falchi F, Gennaro C, Massoli FV, Passalis N, Tefas A, Trivilini A, Vairo C. 2019. Face verification and recognition for digital forensics and information security. Varol A, Karabatak M, Varol C, Teke S, Toimittajat. teoksessa 7th International Symposium on Digital Forensics and Security, ISDFS 2019. IEEE. https://doi.org/10.1109/ISDFS.2019.8757511

Andreev S, Petrov V, Dohler M, Yanikomeroglu H. 2019. Future of Ultra-Dense Networks Beyond 5G: Harnessing Heterogeneous Moving Cells. IEEE Communications Magazine. 57(6):66-92. https://doi.org/10.1109/MCOM.2019.1800056

Moltchanov D, Kovalchukov R, Gerasimenko M, Andreev S, Koucheryavy Y, Gerla M. 2019. Socially inspired relaying and proactive mode selection in mmWave vehicular communications. IEEE Internet of Things Journal. 6(3):5172-5183. https://doi.org/10.1109/JIOT.2019.2898420

Humaloja JP, Kurula M, Paunonen L. 2019. Approximate robust output regulation of boundary control systems. IEEE Transactions on Automatic Control. 64(6):2210-2223. https://doi.org/10.1109/TAC.2018.2884676

Petrov V, Fodor G, Kokkoniemi J, Moltchanov D, Lehtomäki J, Andreev S, Koucheryavy Y, Juntti M, Valkama M. 2019. On Unified Vehicular Communications and Radar Sensing in Millimeter-Wave and Low Terahertz Bands. IEEE Wireless Communications. 26(3):146-153. https://doi.org/10.1109/MWC.2019.1800328

Lunden O-P, Paldanius T. 2019. Linearization of BJTs with logarithmic predistortion. teoksessa 2019 IEEE Radio and Wireless Symposium, RWS 2019. IEEE. (IEEE Radio and Wireless Symposium, RWS). https://doi.org/10.1109/RWS.2019.8714520

Barneto CB, Anttila L, Fleischer M, Valkama M. 2019. OFDM radar with LTE waveform: Processing and performance. teoksessa 2019 IEEE Radio and Wireless Symposium, RWS 2019. IEEE COMPUTER SOCIETY PRESS. (IEEE Radio and Wireless Symposium, RWS). https://doi.org/10.1109/RWS.2019.8714410

Heinisuo O-P, Lenarduzzi V, Taibi D. 2019. Asterism: Decentralized file sharing application for mobile devices. teoksessa 2019 7th IEEE International Conference on Mobile Cloud Computing, Services, and Engineering, MobileCloud 2019. IEEE. Sivut 38-47. https://doi.org/10.1109/MobileCloud.2019.00013

Andreev S, Petrov V, Huang K, Lema MA, Dohler M. 2019. Dense Moving Fog for Intelligent IoT: Key Challenges and Opportunities. IEEE Communications Magazine. 57(5):34-41. https://doi.org/10.1109/MCOM.2019.1800226

Li S, Bariah L, Muhaidat S, Sofotasios P, Liang J, Wang A. 2019. Error analysis of NOMA-based user cooperation with SWIPT. teoksessa Proceedings - 15th Annual International Conference on Distributed Computing in Sensor Systems, DCOSS 2019. IEEE. Sivut 507-513. https://doi.org/10.1109/DCOSS.2019.00098

Peltokangas M, Suominen V, Vakhitov D, Korhonen J, Verho J, Mattila VM, Romsi P, Lekkala J, Vehkaoja A, Oksala N. 2019. Effects of percutaneous transluminal angioplasty of superficial femoral artery on photoplethysmographic pulse transit times. IEEE Journal of Biomedical and Health Informatics. 23(3):1058-1065.

https://doi.org/10.1109/JBHI.2018.2851388

De Biasi M, Lauri J. 2019. On the complexity of restoring corrupted colorings. Journal of Combinatorial Optimization. 37(4):1150-1169. https://doi.org/10.1007/s10878-018-0342-2

Koivumäki J, Zhu WH, Mattila J. 2019. Energy-efficient and high-precision control of hydraulic robots. Control Engineering Practice. 85:176-193. https://doi.org/10.1016/j.conengprac.2018.12.013

Wu D, Coatanea E, Wang GG. 2019. Employing Knowledge on Causal Relationship to Assist Multidisciplinary Design Optimization. Journal of Mechanical Design, Transactions of the ASME. 141(4). https://doi.org/10.1115/1.4042342

Melekhov I, Tiulpin A, Sattler T, Pollefeys M, Rahtu E, Kannala J. 2019. DGC-Net: Dense geometric correspondence network. teoksessa 2019 IEEE Winter Conference on Applications of Computer Vision, WACV 2019. IEEE. Sivut 1034-1042. (IEEE Winter Conference on Applications of Computer Vision). https://doi.org/10.1109/WACV.2019.00115

Tavakoli HR, Rahtu E, Kannala J, Borji A. 2019. Digging deeper into egocentric gaze prediction. teoksessa 2019 IEEE Winter Conference on Applications of Computer Vision, WACV 2019. IEEE. Sivut 273-282. (IEEE Winter Conference on Applications of Computer Vision). https://doi.org/10.1109/WACV.2019.00035

Heimbirger A, Isomottonen V, Nieminen P, Keto H. 2019. How do academics experience use of recorded audio feedback in higher education? A thematic analysis. teoksessa Frontiers in Education: Fostering Innovation Through Diversity, FIE 2018 - Conference Proceedings. IEEE. (Proceedings - Frontiers in Education Conference). https://doi.org/10.1109/FIE.2018.8658635

Smirnov S, Battisti F, Gotchev A. 2019. Layered approach for improving the quality of free-viewpoint depth-image-based rendering images. Journal of Electronic Imaging. 28(1). https://doi.org/10.1117/1.JEI.28.1.013049

Liimatainen K, Kananen L, Latonen L, Ruusuvuori P. 2019. Iterative unsupervised domain adaptation for generalized cell detection from brightfield z-stacks. BMC Bioinformatics. 20(1). https://doi.org/10.1186/s12859-019-2605-z

Sievi-Korte O, Beecham S, Richardson I. 2019. Challenges and recommended practices for software architecting in global software development. Information and Software Technology. 106:234-253. https://doi.org/10.1016/j.infsof.2018.10.008

Lobov A, Haapala KR. 2019. Towards sustainable manufacturing by extending Manufacturing Execution System functions . teoksessa 2019 IEEE International Conference on Industrial Technology, ICIT 2019. IEEE. Sivut 1329-1335. https://doi.org/10.1109/ICIT.2019.8755102

Ponomarenko M, Miroshnichenko O, Lukin V, Egiazarian K. 2019. Additional lossless compression of JPEG images based on BPG. teoksessa Image Processing: Algorithms and Systems XVII. (IS and T International Symposium on Electronic Imaging Science and Technology). https://doi.org/10.2352/ISSN.2470-1173.2019.11.IPAS-263

Ieremeiev O, Lukin V, Ponomarenko N, Egiazarian K. 2019. Combined no-reference IQA metric and its performance analysis. teoksessa Image Processing: Algorithms and Systems XVII. (IS and T International Symposium on Electronic Imaging Science and Technology). https://doi.org/10.2352/ISSN.2470-1173.2019.11.IPAS-260

Ponomarenko M, Katkovnik V, Egiazarian K. 2019. Phase masks optimization for broadband diffractive imaging. teoksessa Image Processing: Algorithms and Systems XVII. (IS and T International Symposium on Electronic Imaging Science and Technology). https://doi.org/10.2352/ISSN.2470-1173.2019.11.IPAS-258

Akpinar U, Sahin E, Suominen O, Gotchev A. 2019. Thin form-factor super multiview head-up display system. teoksessa Stereoscopic Displays and Applications XXX . (IS&T International Symposium on Electronic Imaging). https://doi.org/10.2352/ISSN.2470-1173.2019.3.SDA-631

Begishev VO, Sopin ES, Molchanov DA, Samouylov AK, Gaidamaka YV, Samouylov KE. 2019. Performance evaluation of bandwidth reservation for mmWave 5G NR systems. Informatsionno-Upravliaiushchie Sistemy. (5):51-63. https://doi.org/10.31799/1684-8853-2019-5-51-63

Dehmer M, Chen Z, Emmert-Streib F, Mowshowitz A, Shi Y, Tripathi S, Zhang Y. 2019. Towards detecting structural branching and cyclicity in graphs: A polynomial-based approach. Information Sciences. 471:19-28. https://doi.org/10.1016/j.ins.2018.08.043

Viheriälä J, Tuorila H, Zia N, Cherchi M, Aalto T, Guina M. 2019. 1.3µm U-bend traveling wave SOA devices for high efficiency coupling to silicon photonics. Reed GT, Knights AP, Toimittajat. teoksessa Silicon Photonics XIV. SPIE, IEEE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2505935

Mereuta A, Nechay K, Caliman A, Suruceanu G, Gallo P, Guina M, Kapon E. 2019. 1.55-µm wavelength wafer-fused OP-VECSELs in flip-chip configuration. Keller U, Toimittaja. teoksessa Vertical External Cavity Surface Emitting Lasers (VECSELs) IX. SPIE, IEEE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2508342

Yadav A, Chichkov NB, Gumenyuk R, Zherebtsov E, Melkumov MA, Yashkov MV, Dianov EM, Rafailov EU. 2019. 405-nm pumped Ce^{3+}-doped silica fiber for broadband fluorescence from cyan to red. Digonnet MJF, Jiang S, Toimittajat. teoksessa Optical Components and Materials XVI. SPIE, IEEE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2509599

Lu X, Petrov V, Moltchanov D, Andreev S, Mahmoodi T, Dohler M. 2019. 5G-U: Conceptualizing Integrated Utilization of Licensed and Unlicensed Spectrum for Future IoT. IEEE Communications Magazine. 57(7):92-98. https://doi.org/10.1109/MCOM.2019.1800663

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, Toimittajat. teoksessa Evolution, Development and Complexity - Multiscale Evolutionary Models of Complex Adaptive Systems. Springer. Sivut 229-244. (Springer Proceedings in Complexity). https://doi.org/10.1007/978-3-030-00075-2_8

Zakeri FS, Bätz M, Jaschke T, Keinert J, Chuchvara A. 2019. Benchmarking of several disparity estimation algorithms for light field processing. Bazeille S, Verrier N, Cudel C, Toimittajat. teoksessa Fourteenth International Conference on Quality Control by Artificial Vision. SPIE, IEEE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2521747

Soltani A, Lahti J, Järvelä K, Laurikka J, Kuokkala VT, Hokka M. 2019. Characterization of the anisotropic deformation of the right ventricle during open heart surgery. COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING. https://doi.org/10.1080/10255842.2019.1703133

Niemelä P, Partanen T, Toivanen T, Toikkanen T, Kangas V, Översti M. 2019. Code ABC hackathons: Teachers as tinkerers. teoksessa Digital Turn in Schools - Research, Policy, Practice: Proceedings of ICEM 2018 Conference. Springer International Publishing. Sivut 157-169. (Lecture Notes in Educational Technology). https://doi.org/10.1007/978-981-13-7361-9_11

Laakom F, Raitoharju J, Iosifidis A, Nikkanen J, Gabbouj M. 2019. Color Constancy Convolutional Autoencoder. teoksessa 2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019. IEEE. Sivut 1085-1090. https://doi.org/10.1109/SSCI44817.2019.9002684

Woldemariam ET, Coatanéa E, Wang GG, Lemu HG, Wu D. 2019. Customized dimensional analysis conceptual modelling framework for design optimization—a case study on the cross-flow micro turbine model. Engineering Optimization. 51(7):1168-1184. https://doi.org/10.1080/0305215X.2018.1519556

Tavella F, Giaretta A, Dooley-Cullinane TM, Conti M, Coffey L, Balasubramaniam S. 2019. DNA Molecular Storage System: Transferring Digitally Encoded Information through Bacterial Nanonetworks. IEEE Transactions on Emerging Topics in Computing . https://doi.org/10.1109/TETC.2019.2932685

Kuusisto A, Reiter F. 2019. Emptiness problems for distributed automata. Information and Computation. https://doi.org/10.1016/j.ic.2019.104503

Danivska V, Heywood C, Christersson M, Zhang E, Nenonen S. 2019. Environmental and social sustainability–emergence of well-being in the built environment, assessment tools and real estate market implications. Intelligent Buildings International. https://doi.org/10.1080/17508975.2019.1678005

Joshy A, Dsouza R, Muthirulan V, Sachidananda KH. 2019. Experimental analysis on the turning of aluminum alloy 7075 based on Taguchi method and artificial neural network. Journal Europeen des Systemes Automatises. 52(5):429-437. https://doi.org/10.18280/jesa.520501

Taibi D, Systä K. 2019. From monolithic systems to microservices: A decomposition framework based on process mining. Ferguson D, Munoz VM, Helfert M, Pahl C, Toimittajat. teoksessa CLOSER 2019 - Proceedings of the 9th International Conference on Cloud Computing and Services Science. SCITEPRESS. Sivut 153-164. https://doi.org/10.5220/0007755901530164

Heikkinen JE, Gafurov S, Kopylov S, Minav T, Grebennikov S, Kurbanov A. 2019. Hardware-in-the-loop platform for testing autonomous vehicle control algorithms. Al-Jumeily D, Hind J, Mustafina J, Al-Hajj A, Hussain A, Magid E, Tawfik H, Toimittajat. teoksessa Proceedings - 12th International Conference on the Developments in eSystems Engineering, DeSE 2019. IEEE. Sivut 906-911. (International Conference on Developments in eSystems Engineering, DeSE). https://doi.org/10.1109/DeSE.2019.00168

Pitkänen TP, Raumonen P, Kangas A. 2019. Measuring stem diameters with TLS in boreal forests by complementary fitting procedure. ISPRS Journal of Photogrammetry and Remote Sensing. 147:294-306. https://doi.org/10.1016/j.isprsjprs.2018.11.027

Kahle H, Penttinen JP, Phung HM, Rajala P, Tukiainen A, Ranta S, Guina M. 2019. MECSELs with direct emission in the 760 nm to 810 nm spectral range: A single- and double-side pumping comparison and high-power continuous-wave operation. Keller U, Toimittaja. teoksessa Vertical External Cavity Surface Emitting Lasers (VECSELs) IX. SPIE, IEEE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2512111

Kuva J, Voutilainen M, Mattila K. 2019. Modeling mass transfer in fracture flows with the time domain-random walk method. COMPUTATIONAL GEOSCIENCES. https://doi.org/10.1007/s10596-019-09852-5

Radevici I, Sadi T, Tripurari T, Tiira J, Ranta S, Tukiainen A, Guina M, Oksanen J. 2019. Observation of local electroluminescent cooling and identifying the remaining challenges. Seletskiy DV, Epstein RI, Sheik-Bahae M, Toimittajat. teoksessa Photonic Heat Engines: Science and Applications. SPIE, IEEE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2505814

Raitoharju J, Meissner K. 2019. On Confidences and Their Use in (Semi-)Automatic Multi-Image Taxa Identification. teoksessa 2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019. IEEE. Sivut 1338-1343. https://doi.org/10.1109/SSCI44817.2019.9002975

Talvitie J, Levanen T, Koivisto M, Ihalainen T, Pajukoski K, Valkama M. 2019. Positioning and Location-Aware Communications for Modern Railways with 5G New Radio. IEEE Communications Magazine. 57(9):24-30. https://doi.org/10.1109/MCOM.001.1800954

Martins DP, Barros MT, Balasubramaniam S. 2019. Quality and Capacity Analysis of Molecular Communications in Bacterial Synthetic Logic Circuits. IEEE Transactions on Nanobioscience. https://doi.org/10.1109/TNB.2019.2930960

Qian Y, Pertuz S, Nikkanen J, Kämäräinen J-K, Matas J. 2019. Revisiting gray pixel for statistical illumination estimation. Kerren A, Hurter C, Braz J, Toimittajat. teoksessa VISIGRAPP 2019 - Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications. SCITEPRESS. Sivut 36-46. https://doi.org/10.5220/0007406900360046

Saleh A, Ryczkowski P, Genty G, Toivonen J. 2019. Short-range supercontinuum based lidar for combustion diagnostics. Kimata M, Valenta CR, Toimittajat. teoksessa SPIE Future Sensing Technologies. SPIE, IEEE. (Proceedings of SPIE). https://doi.org/10.1117/12.2542720

Kocsis P, Shevkunov I, Katkovnik V, Egiazarian K. 2019. Single exposure lensless subpixel phase imaging. Kress BC, Schelkens P, Toimittajat. teoksessa Digital Optical Technologies 2019. SPIE, IEEE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2525679

Ainasoja AE, Pertuz S, Kämäräinen J-K. 2019. Smartphone teleoperation for self-balancing telepresence robots. Kerren A, Hurter C, Braz J, Toimittajat. teoksessa VISIGRAPP 2019 - Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications. SCITEPRESS. Sivut 561-568. https://doi.org/10.5220/0007406405610568

Xu L, Saerens G, Timofeeva M, Miroshnichenko AE, Camacho-Morales R, Volkovskaya I, Smirnova DA, Lysevych M, Huang L, Cai M, Karouta F, Hoe Tan H, Kauranen M, Jagadish C, Grange R, Neshev DN, Rahmani M. 2019. Switchable unidirectional second-harmonic emission through GaAs nanoantennas. Mitchell A, Rubinsztein-Dunlop H, Toimittajat. teoksessa AOS Australian Conference on Optical Fibre Technology, ACOFT 2019 and Australian Conference on Optics, Lasers, and Spectroscopy, ACOLS 2019. SPIE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2539887

Sautter J, Xu L, Miroshnichenko A, Lysevych M, Volkovskaya I, Smirnova D, Camacho Morales M, Zangeneh Kamali K, Karouta F, Vora K, Tan HH, Kauranen M, Staude I, Jagadish C, Neshev DN, Rahmani M. 2019. Tailoring directional scattering of second-harmonic generation from (111)-GaAs nanoantennas. Mitchell A, Rubinsztein-Dunlop H, Toimittajat. teoksessa AOS Australian Conference on Optical Fibre Technology, ACOFT 2019 and Australian Conference on Optics, Lasers, and Spectroscopy, ACOLS 2019. SPIE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2539086

Hamari J, Malik A, Koski J, Johri A. 2019. Uses and Gratifications of Pokémon Go: Why do People Play Mobile Location-Based Augmented Reality Games?. International Journal of Human-Computer Interaction. 35(9). https://doi.org/10.1080/10447318.2018.1497115

Martins L, Neeli-Venkata R, Oliveira SMD, Häkkinen A, Ribeiro AS, Fonseca JM. 2018. SCIP: a single-cell image processor toolbox. Bioinformatics. 34(24):4318-4320. https://doi.org/10.1093/bioinformatics/bty505

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

Mäki AJ, Verho J, Kreutzer J, Ryynänen T, Rajan D, Pekkanen-Mattila M, Ahola A, Hyttinen J, Aalto-Setälä K, Lekkala J, Kallio P. 2018. A Portable Microscale Cell Culture System with Indirect Temperature Control. SLAS Technology. 23(6):566-579. https://doi.org/10.1177/2472630318768710

Slezak C, Semkin V, Andreev S, Koucheryavy Y, Rangan S. 2018. Empirical Effects of Dynamic Human-Body Blockage in 60 GHz Communications. IEEE Communications Magazine. 56(12):60-66. https://doi.org/10.1109/MCOM.2018.1800232

Mäenpää H, Mäkinen S, Kilamo T, Mikkonen T, Männistö T, Ritala P. 2018. Organizing for openness: six models for developer involvement in hybrid OSS projects. Journal of Internet Services and Applications. 9(1). https://doi.org/10.1186/s13174-018-0088-1

Lohan ES, Koivisto M, Galinina O, Andreev S, Tölli A, Destino G, Costa M, Leppänen K, Koucheryavy Y, Valkama M. 2018. Benefits of Positioning-Aided Communication Technology in High-Frequency Industrial IoT. IEEE Communications Magazine. 56(12):142-148. https://doi.org/10.1109/MCOM.2018.1701057

Ivanov P, Raitoharju M, Piché R. 2018. Kalman-Type Filters and Smoothers for Pedestrian Dead Reckoning. teoksessa IPIN 2018 - 9th International Conference on Indoor Positioning and Indoor Navigation. IEEE. https://doi.org/10.1109/IPIN.2018.8533753

Nogueira IBR, Faria RPV, Requião R, Koivisto H, Martins MAF, Rodrigues AE, Loureiro JM, Ribeiro AM. 2018. Chromatographic studies of n-Propyl Propionate: Adsorption equilibrium, modelling and uncertainties determination. Computers and Chemical Engineering. 119:371-382. https://doi.org/10.1016/j.compchemeng.2018.09.020

Tiihonen J, Kylänpää I, Rantala TT. 2018. Computation of Dynamic Polarizabilities and van der Waals Coefficients from Path-Integral Monte Carlo. Journal of Chemical Theory and Computation. 14:5750-5763. https://doi.org/10.1021/acs.jctc.8b00859

Salminen K, Rantala J, Isokoski P, Lehtonen M, Müller P, Karjalainen M, Väliaho J, Kontunen A, Nieminen V, Leivo J, Telembeci AA, Lekkala J, Kallio P, Surakka V. 2018. Olfactory display prototype for presenting and sensing authentic and synthetic odors. teoksessa ICMI 2018 - Proceedings of the 2018 International Conference on Multimodal Interaction. ACM. Sivut 73-77. https://doi.org/10.1145/3242969.3242999

Petrov V, Andreev S, Gerla M, Koucheryavy Y. 2018. Breaking the limits in urban video monitoring: Massive crowd sourced surveillance over vehicles. IEEE Wireless Communications. 25(5):104-112. https://doi.org/10.1109/MWC.2018.1700415

Pertuz S, Pulido-Herrera E, Kämäräinen J-K. 2018. Focus model for metric depth estimation in standard plenoptic cameras. ISPRS Journal of Photogrammetry and Remote Sensing. 144:38-47. https://doi.org/10.1016/j.isprsjprs.2018.06.020

Dehmer M, Chen Z, Emmert-Streib F, Shi Y, Tripathi S. 2018. Graph measures with high discrimination power revisited: A random polynomial approach. Information Sciences. 467:407-414. https://doi.org/10.1016/j.ins.2018.07.072

Ma H, Yu S, Gabbouj M, Mueller P. 2018. Guest Editorial Special Issue on Multimedia Big Data in Internet of Things. IEEE Internet of Things Journal. 5(5):3405-3407. https://doi.org/10.1109/JIOT.2018.2875580

Martins DP, Leetanasaksakul K, Barros MT, Thamchaipenet A, Donnelly W, Balasubramaniam S. 2018. Molecular Communications Pulse-based Jamming Model for Bacterial Biofilm Suppression. IEEE Transactions on Nanobioscience. 17(4):533-542. https://doi.org/10.1109/TNB.2018.2871276

Kartasalo K, Latonen L, Vihinen J, Visakorpi T, Nykter M, Ruusuvuori P. 2018. Comparative analysis of tissue reconstruction algorithms for 3D histology. Bioinformatics. 34(17):3013-3021. https://doi.org/10.1093/bioinformatics/bty210

Ratia M. 2018. Intellectual capital and bi-tools in private healthcare value creation. Electronic Journal of Knowledge Management. 16(2):143-154.

Milagro J, Gil E, Lazaro J, Seppae VP, Malmberg LP, Pelkonen AS, Kotaniemi-Syrjanen A, Makela M, Viik J, Bailon R. 2018. Nocturnal Heart Rate Variability Spectrum Characterization in Preschool Children with Asthmatic Symptoms. IEEE Journal of Biomedical and Health Informatics. 22(5):1332-1340. https://doi.org/10.1109/JBHI.2017.2775059

Mäkinen P, Mononen T, Mattila J. 2018. Inertial Sensor-Based State Estimation of Flexible Links Subject to Bending and Torsion. teoksessa 2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018. IEEE. https://doi.org/10.1109/MESA.2018.8449188

Teke B, Lanz M, Kämäräinen J-K, Hietanen A. 2018. Real-time and Robust Collaborative Robot Motion Control with Microsoft Kinect ® v2. teoksessa 2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018. IEEE. https://doi.org/10.1109/MESA.2018.8449156

Mahmoodpour M, Lobov A, Lanz M, Mäkelä P, Rundas N. 2018. Role-based visualization of industrial IoT-based systems . teoksessa 2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018. IEEE. https://doi.org/10.1109/MESA.2018.8449183

Coatanea E, Roca R. 2018. Dimensional analysis conceptual modeling supporting adaptable reasoning in simulation-based training. teoksessa 2018 13th System of Systems Engineering Conference, SoSE 2018. IEEE. Sivut 245-252. https://doi.org/10.1109/SYSOSE.2018.8428785

Maina MR, Okamoto Y, Okada A, Närhi M, Kangastupa J, Vihinen J. 2018. High surface quality welding of aluminum using adjustable ring-mode fiber laser. Journal of Materials Processing Technology. 258:180-188. https://doi.org/10.1016/j.jmatprotec.2018.03.030

Tejero-de-Pablos A, Nakashima Y, Sato T, Yokoya N, Linna M, Rahtu E. 2018. Summarization of User-Generated Sports Video by Using Deep Action Recognition Features. IEEE Transactions on Multimedia. 20(8):2000-2011. https://doi.org/10.1109/TMM.2018.2794265

Urama J, Gerasimenko M, Stusek M, Masek P, Andreev S, Hosek J, Koucheryavy Y. 2018. A multi-purpose automated vehicular platform with multi-radio connectivity capabilities. teoksessa 2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018. IEEE. Sivut 1-7. https://doi.org/10.1109/VTCSpring.2018.8417708

Sofotasios PC, Yoo SK, Muhaidat S, Cotton SL, Matthaiou M, Valkama M, Karagiannidis GK. 2018. Ergodic Capacity Analysis of Wireless Transmission over Generalized Multipath/Shadowing Channels. teoksessa 2018 IEEE 87th Vehicular Technology Conference. IEEE. Sivut 1-5. https://doi.org/10.1109/VTCSpring.2018.8417509

Marshoud H, Muhaidat S, Sofotasios PC, Imran M, Sharif BS, Karagiannidis GK. 2018. Optical Asymmetric Modulation for VLC Systems - Invited Paper. teoksessa 2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018. IEEE. Sivut 1-5. https://doi.org/10.1109/VTCSpring.2018.8417541

Selim B, Muhaidat S, Sofotasios PC, Sharif BS, Stouraitis T, Karagiannidis GK, Al-Dhahir N. 2018. Performance Analysis of Single Carrier Coherent and Noncoherent Modulation under I/Q Imbalance. teoksessa 2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018. IEEE. Sivut 1-5. https://doi.org/10.1109/VTCSpring.2018.8417514

Sheikh MU, Biswas R, Lempiäinen J. 2018. Performance Evaluation of Coordinated Multipoint Transmission at 28 GHz Frequency Using 3D Ray Tracing. teoksessa 2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018 - Proceedings. IEEE. Sivut 1-6. https://doi.org/10.1109/VTCSpring.2018.8417593

Solomitckii D, Petrov V, Nikopour H, Akdeniz M, Orhan O, Himayat N, Talwar S, Andreev S, Koucheryavy Y. 2018. Ray-based evaluation of dual-polarized MIMO in (Ultra-)dense millimeter-wave urban deployments. teoksessa 2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018 - Proceedings. IEEE. Sivut 1-7. https://doi.org/10.1109/VTCSpring.2018.8417788

Gapeyenko M, Bor-Yaliniz I, Andreev S, Yanikomeroglu H, Koucheryavy Y. 2018. Effects of blockage in deploying mmWave drone base stations for 5g networks and beyond. teoksessa 2018 IEEE International Conference on Communications Workshops. IEEE. Sivut 1-6. https://doi.org/10.1109/ICCW.2018.8403671

Korpi D, Turunen M, Anttila L, Valkama M. 2018. Modeling and cancellation of self-interference in full-duplex radio transceivers: Volterra series-based approach. teoksessa 2018 IEEE International Conference on Communications Workshops. IEEE. Sivut 1-6. https://doi.org/10.1109/ICCW.2018.8403638

Li X, You C, Andreev S, Gong Y, Huang K. 2018. Optimizing wirelessly powered crowd sensing: Trading energy for data. teoksessa 2018 IEEE International Conference on Communications Workshops. IEEE. Sivut 1-6. https://doi.org/10.1109/ICCW.2018.8403562

Silverajan B, Ocak M, Nagel B. 2018. Cybersecurity Attacks and Defences for Unmanned Smart Ships. teoksessa Proceedings - IEEE 2018 International Congress on Cybermatics: 2018 IEEE Conferences on Internet of Things, Green Computing and Communications, Cyber, Physical and Social Computing, Smart Data, Blockchain, Computer and Information Technology, iThings/GreenCom/CPSCom/SmartData/Blockchain/CIT 2018. IEEE. Sivut 15-20. https://doi.org/10.1109/Cybermatics_2018.2018.00037

Kolehmainen A. 2018. Secure Firmware Updates for IoT: A Survey. teoksessa Proceedings - IEEE 2018 International Congress on Cybermatics: 2018 IEEE Conferences on Internet of Things, Green Computing and Communications, Cyber, Physical and Social Computing, Smart Data, Blockchain, Computer and Information Technology, iThings/GreenCom/CPSCom/SmartData/Blockchain/CIT 2018. IEEE. Sivut 112-117. https://doi.org/10.1109/Cybermatics_2018.2018.00051

Balasubramaniam S, Wirdatmadja SA, Barros MT, Koucheryavy Y, Stachowiak M, Jornet JM. 2018. Wireless Communications for Optogenetics-Based Brain Stimulation: Present Technology and Future Challenges. IEEE Communications Magazine. 56(7):218-224. https://doi.org/10.1109/MCOM.2018.1700917

Merilampi S, Koivisto A, Virkki J. 2018. Activation game for older adults - Development and initial user experiences. teoksessa 2018 IEEE 6th International Conference on Serious Games and Applications for Health, SeGAH 2018. IEEE. Sivut 1-5. https://doi.org/10.1109/SeGAH.2018.8401351

Siljander S, Keinänen P, Räty A, Ramakrishnan KR, Tuukkanen S, Kunnari V, Harlin A, Vuorinen J, Kanerva M. 2018. Effect of surfactant type and sonication energy on the electrical conductivity properties of nanocellulose-CNT nanocomposite films. International Journal of Molecular Sciences. 19(6). https://doi.org/10.3390/ijms19061819

Orsino A, Kovalchukov R, Samuylov A, Moltchanov D, Andreev S, Koucheryavy Y, Valkama M. 2018. Caching-Aided Collaborative D2D Operation for Predictive Data Dissemination in Industrial IoT. IEEE Wireless Communications. 25(3):50-57. https://doi.org/10.1109/MWC.2018.1700320

Petrov V, Kokkoniemi J, Moltchanov D, Lehtomäki J, Koucheryavy Y, Juntti M. 2018. Last Meter Indoor Terahertz Wireless Access: Performance Insights and Implementation Roadmap. IEEE Communications Magazine. 56(6):158-165. https://doi.org/10.1109/MCOM.2018.1600300

Narra N, Fouefack JR, Douglas T, Mutsvangwa T. 2018. Conformai mapping of the human scapula to generate dense landmark features. teoksessa 2018 3rd Biennial South African Biomedical Engineering Conference, SAIBMEC 2018. Institute of Electrical and Electronics Engineers Inc. Sivut 1-4. (2018 3rd Biennial South African Biomedical Engineering Conference, SAIBMEC 2018). https://doi.org/10.1109/SAIBMEC.2018.8363175

Solin A, Cortés S, Rahtu E, Kannala J. 2018. PIVO: Probabilistic inertial-visual odometry for occlusion-robust navigation. teoksessa Proceedings - 2018 IEEE Winter Conference on Applications of Computer Vision, WACV 2018. IEEE. Sivut 616-625. https://doi.org/10.1109/WACV.2018.00073

Suzumori K, Hyon SH, Semini C, Mattila J, Kanda T. 2018. Preface: Special Issue on ‘New Hydraulic Components for Tough Robots’. Advanced Robotics. 32(9). https://doi.org/10.1080/01691864.2018.1466427

Peltokangas M, Suominen V, Vakhitov D, Verho J, Korhonen J, Lekkala J, Vehkaoja A, Oksala N. 2018. The effect of percutaneous transluminal angioplasty of superficial femoral artery on pulse wave features. Computers in Biology and Medicine. 96:274-282. https://doi.org/10.1016/j.compbiomed.2018.04.003

Heikkilä J, Martinsuo M, Nenonen S. 2018. Backshoring of production in the context of a small and open Nordic economy. Journal of Manufacturing Technology Management. 29(4):658-675. https://doi.org/10.1108/JMTM-12-2016-0178

Petrone G, Romanelli S, Spagnuolo G, Valkealahti S. 2018. Photovoltaic plant cloud shadowing and energy drops in Northern Europe. teoksessa 2018 IEEE International Conference on Industrial Technology (ICIT). IEEE. Sivut 1055-1060. https://doi.org/10.1109/ICIT.2018.8352324

Paladi N, Michalas A, Dang HV. 2018. Towards secure cloud orchestration for multi-cloud deployments. teoksessa CrossCloud 2018 - 5th Workshop on CrossCloud Infrastructures and Platforms, colocated with EuroSys 2018. ACM. https://doi.org/10.1145/3195870.3195874

Tarniceriu A, Harju J, Vehkaoja A, Parak J, Delgado-Gonzalo R, Renevey P, Yli-Hankala A, Korhonen I. 2018. Detection of beat-to-beat intervals from wrist photoplethysmography in patients with sinus rhythm and atrial fibrillation after surgery. teoksessa 2018 IEEE EMBS International Conference on Biomedical and Health Informatics, BHI 2018. IEEE. Sivut 133-136. https://doi.org/10.1109/BHI.2018.8333387

Galinina O, Mikhaylov K, Huang K, Andreev S, Koucheryavy Y. 2018. Wirelessly powered urban crowd sensing over wearables: Trading energy for data. IEEE Wireless Communications. 25(2):140-149. https://doi.org/10.1109/MWC.2018.1600468

Mohammed WM, Ramis Ferrer B, Iarovyi S, Negri E, Fumagalli L, Lobov A, Martinez Lastra JL. 2018. Generic platform for manufacturing execution system functions in knowledge-driven manufacturing systems. International Journal of Computer Integrated Manufacturing. 1-13. https://doi.org/10.1080/0951192X.2017.1407874

Achimova E, Abaskin V, Claus D, Pedrini G, Shevkunov I, Katkovnik V. 2018. Noise minimized high resolution digital holographic microscopy applied to surface topography. Computer Optics. 42(2):267-272. https://doi.org/10.18287/2412-6179-2018-42-2-267-272

Mohammed WM, Ferrer BR, Martinez JL, Sanchis R, Andres B, Agostinho C. 2018. A multi-agent approach for processing industrial enterprise data. teoksessa 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings. IEEE. Sivut 1209-1215. https://doi.org/10.1109/ICE.2017.8280018

Katasonov A, Lastusilta T, Korvola T, Saari L, Bendas D, Mohammed WM, Lee AN. 2018. An approach to production scheduling optimization a case of an oil lubrication and hydraulic systems manufacturer. teoksessa 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings. IEEE. Sivut 1123-1130. https://doi.org/10.1109/ICE.2017.8280007

Mohammed WM, Ferrer BR, Jose L, Lastra M, Aleixo D, Agostinho C. 2018. Configuring and visualizing the data resources in a cloud-based data collection framework. teoksessa 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings. IEEE. Sivut 1201-1208. https://doi.org/10.1109/ICE.2017.8280017

Sariola R. 2018. Exploiting suppliers' potential in construction innovations. teoksessa 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings. IEEE. Sivut 678-684. https://doi.org/10.1109/ICE.2017.8279950

Galinina O, Pyattaev A, Johnsson K, Andreev S, Koucheryavy Y. 2018. Analyzing Effects of Directional Deafness on mmWave Channel Access in Unlicensed Bands. teoksessa 2017 IEEE Globecom Workshops, GC Wkshps 2017 - Proceedings. IEEE. Sivut 1-7. https://doi.org/10.1109/GLOCOMW.2017.8269183

Solomitckii D, Petrov V, Nikopour H, Akdeniz M, Orhan O, Himayat N, Talwar S, Andreev S, Koucheryavy Y. 2018. Detailed Interference Analysis in Dense mmWave Systems Employing Dual-Polarized Antennas. teoksessa 2017 IEEE Globecom Workshops. IEEE. Sivut 1-6. https://doi.org/10.1109/GLOCOMW.2017.8269040

Valkonen M, Kartasalo K, Liimatainen K, Nykter M, Latonen L, Ruusuvuori P. 2018. Dual Structured Convolutional Neural Network with Feature Augmentation for Quantitative Characterization of Tissue Histology. teoksessa 2017 IEEE International Conference on Computer Vision Workshops, ICCVW 2017. IEEE. Sivut 27-35. https://doi.org/10.1109/ICCVW.2017.10

Melekhov I, Ylioinas J, Kannala J, Rahtu E. 2018. Image-Based Localization Using Hourglass Networks. teoksessa 2017 IEEE International Conference on Computer Vision Workshops, ICCVW 2017. IEEE. Sivut 870-877. https://doi.org/10.1109/ICCVW.2017.107

Katkovnik V, Shevkunov I, Petrov NV, Eguiazarian K. 2018. Multiwavelength surface contouring from phase-coded diffraction patterns. teoksessa Unconventional Optical Imaging 2018. Strasbourg, France. SPIE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2306127

Solomitckii D, Gapeyenko M, Semkin V, Andreev S, Koucheryavy Y. 2018. Technologies for Efficient Amateur Drone Detection in 5G Millimeter-Wave Cellular Infrastructure. IEEE Communications Magazine. 56(1):43-50. https://doi.org/10.1109/MCOM.2017.1700450

Noronen T, Fedotov A, Rissanen J, Gumenyuk R, Butov O, Chamorovskii Y, Golant K, Odnoblyudov M, Filippov V. 2018. Ultra-large mode area single frequency anisotropic MOPA with double clad Yb-doped tapered fiber. teoksessa Fiber Lasers XV: Technology and Systems. SPIE, IEEE. (Proceedings of SPIE). https://doi.org/10.1117/12.2288942

Voronin V, Pismenskova M, Zelensky A, Cen Y, Nadykto A, Egiazarian K. 2018. Action recognition using the 3D dense microblock difference. teoksessa Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies II. SPIE. (Proceedings of SPIE). https://doi.org/10.1117/12.2326801

Chen K, Zhang Z. 2018. A Primal Neural Network for Online Equality-Constrained Quadratic Programming. Cognitive Computation. 10(2):381–388. https://doi.org/10.1007/s12559-017-9510-4

Taibi D, Lenarduzzi V, Pahl C. 2018. Architectural patterns for microservices: A systematic mapping study. teoksessa CLOSER 2018 - Proceedings of the 8th International Conference on Cloud Computing and Services Science. SCITEPRESS. Sivut 221-232. https://doi.org/10.5220/0006798302210232

Ponomarenko M, Gapon N, Voronin V, Egiazarian K. 2018. Blind estimation of white Gaussian noise variance in highly textured images. teoksessa Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology. https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-382

Voronin V, Semenishchev E, Ponomarenko M, Agaian S. 2018. Combined local and global image enhancement algorithm . teoksessa Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology. https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-220

Miroshnichenko O, Ponomarenko M, Lukin V, Egiazarian K. 2018. Compression of signs of DCT coefficients for additional lossless compression of JPEG images. teoksessa Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology. https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-385

Sahin E, Vagharshakyan S, Bregovic R, Lee G, Gotchev A. 2018. Conversion of sparsely-captured light field into alias-free fullparallax multiview content. teoksessa Electronic Imaging: Stereoscopic Displays and Applications XXIX. Society for Imaging Science and Technology. Sivut 1441-1445. https://doi.org/10.2352/ISSN.2470-1173.2018.04.SDA-144

Battisti F, Carli M, De Paola E, Egiazarian K. 2018. Deep p-Fibonacci scattering networks. teoksessa Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology. https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-193

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

Niemelä P, Valmari A. 2018. Elementary math to close the digital skills gap. teoksessa CSEDU 2018 - Proceedings of the 10th International Conference on Computer Supported Education. SCITEPRESS. Sivut 154-165. https://doi.org/10.5220/0006800201540165

Hamari J, Hassan L, Dias A. 2018. Gamification, quantified-self or social networking? Matching users' goals with motivational technology. User Modeling and User-Adapted Interaction. 28(1):35–74. https://doi.org/10.1007/s11257-018-9200-2

Mateos X, Loiko P, Lamrini S, Scholle K, Fuhrberg P, Suomalainen S, Härkönen A, Guina M, Vatnik S, Vedin I, Aguiló M, Diáz F, Wang Y, Griebner U, Petrov V. 2018. Highly-efficient Ho:KY(WO4)2 thin-disk lasers at 2.06 μm. teoksessa Pacific-Rim Laser Damage 2018: Optical Materials for High-Power Lasers. SPIE, IEEE. (Proceedings of SPIE). https://doi.org/10.1117/12.2316822

Morschheuser B, Hassan L, Werder K, Hamari J. 2018. How to design gamification? A method for engineering gamified software. Information and Software Technology. 95:219-237. https://doi.org/10.1016/j.infsof.2017.10.015

Karioja P, Alajoki T, Cherchi M, Ollila J, Harjanne M, Heinilehto N, Suomalainen S, Zia N, Tuorila H, Viheriälä J, Guina M, Buczynski R, Kasztelanic R, Salo T, Virtanen S, Kluczynski P, Borgen L, Ratajczyk M, Kalinowski P. 2018. Integrated multi-wavelength mid-IR light source for gas sensing. teoksessa Next-Generation Spectroscopic Technologies XI. SPIE, IEEE. (SPIE Conference Proceedings). https://doi.org/10.1117/12.2305712

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. teoksessa 38th Computers and Information in Engineering Conference. The American Society of Mechanical Engineers ASME. https://doi.org/10.1115/DETC201885895

Rosati P, Fowley F, Pahl C, Taibi D, Lynn T. 2018. Making the cloud work for software producers: Linking architecture, operating cost and revenue. teoksessa CLOSER 2018 - Proceedings of the 8th International Conference on Cloud Computing and Services Science. SCITEPRESS. Sivut 364-375. https://doi.org/10.5220/0006679303640375

Ponomarenko M, Katkovnik V, Egiazarian K. 2018. Methods and tools for denoising of complex-valued images based on block-matching and high order singular value decomposition. teoksessa Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology. https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-306

van Mellaert R, Mela K, Tiainen T, Heinisuo M, Lombaert G, Schevenels M. 2018. Mixed-integer linear programming approach for global discrete sizing optimization of frame structures. Structural and Multidisciplinary Optimization. 57(2):579–593. https://doi.org/10.1007/s00158-017-1770-9

Boashash B, Aïssa-El-Bey A, Al-Sa'd MF. 2018. Multisensor Time–Frequency Signal Processing MATLAB package: An analysis tool for multichannel non-stationary data. SoftwareX. 8:53-58. https://doi.org/10.1016/j.softx.2017.12.002

Dehmer M, Chen Z, Mowshowitz A, Jodlbauer H, Emmert-Streib F, Shi Y, Tripathi S, Xia C. 2018. On the degeneracy of the Randić entropy and related graph measures. Information Sciences. https://doi.org/10.1016/j.ins.2018.11.011

Laakkonen P, Paunonen L. 2018. Reduced Order Internal Models in the Frequency Domain. IEEE Transactions on Automatic Control. 63(6):1806-1812. https://doi.org/10.1109/TAC.2017.2751520

Ieremeiev O, Lukin V, Ponomarenko N, Egiazarian K. 2018. Robust linearized combined metrics of image visual quality. teoksessa Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology. https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-260

Humaloja J-P, Paunonen L. 2018. Robust Regulation of Infinite-Dimensional Port-Hamiltonian Systems. IEEE Transactions on Automatic Control. 63(5). https://doi.org/10.1109/TAC.2017.2748055

Ometov A, Daneshfar N, Hazmi A, Andreev S, Del Carpio LF, Amin P, Torsner J, Koucheryavy Y, Valkama M. 2018. System-level analysis of IEEE 802.11ah technology for unsaturated MTC traffic. International Journal of Sensor Networks . 26(4):269-282. https://doi.org/10.1504/IJSNET.2018.090480

Korpi D, Riihonen T, Sabharwal A, Valkama M. 2018. Transmit Power Optimization and Feasibility Analysis of Self-backhauling Full-Duplex Radio Access Systems. IEEE Transactions on Wireless Communications. 17(6):4219-4236. https://doi.org/10.1109/TWC.2018.2821682

Kellomäki T. 2017. Fast Water Simulation Methods for Games. Computers in Entertainment. 16(1). https://doi.org/10.1145/2700533

Taibi D, Janes A, Lenarduzzi V. 2017. How developers perceive smells in source code: A replicated study. Information and Software Technology. 92:223-235. https://doi.org/10.1016/j.infsof.2017.08.008

Dehmer M, Emmert-Streib F, Shi Y. 2017. Quantitative Graph Theory: A new branch of graph theory and network science . Information Sciences. 418-419:575-580. https://doi.org/10.1016/j.ins.2017.08.009

Danne R, Poojari C, Martinez-Seara H, Rissanen S, Lolicato F, Róg T, Vattulainen I. 2017. DoGlycans-Tools for Preparing Carbohydrate Structures for Atomistic Simulations of Glycoproteins, Glycolipids, and Carbohydrate Polymers for GROMACS. Journal of Chemical Information and Modeling. 57(10):2401-2406. https://doi.org/10.1021/acs.jcim.7b00237

Koivumäki J, Mattila J. 2017. Adaptive and nonlinear control of discharge pressure for variable displacement axial piston pumps. Journal of Dynamic Systems, Measurement and Control: Transactions of the ASME. 139(10). https://doi.org/10.1115/1.4036537

Nanni L, Paci M, Brahnam S, Ghidoni S. 2017. An ensemble of visual features for Gaussians of local descriptors and non-binary coding for texture descriptors. Expert Systems with Applications. 82:27-39. https://doi.org/10.1016/j.eswa.2017.03.065

Dehmer M, Emmert-Streib F, Hu B, Shi Y, Stefu M, Tripathi S. 2017. Highly unique network descriptors based on the roots of the permanental polynomial. Information Sciences. 408:176-181. https://doi.org/10.1016/j.ins.2017.04.041

Marshoud H, Sofotasios PC, Muhaidat S, Karagiannidis GK, Sharif BS. 2017. On the Performance of Visible Light Communication Systems with Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications. 16(10):6350-6364. https://doi.org/10.1109/TWC.2017.2722441

Leppänen L, Leinonen J, Ihantola P, Hellas A. 2017. Predicting academic success based on learning material usage. teoksessa SIGITE 2017 - Proceedings of the 18th Annual Conference on Information Technology Education. ACM. Sivut 13-18. https://doi.org/10.1145/3125659.3125695

Pohjola J, Turunen J, Lipping T. 2017. The effect of lake bottom sediment layers on radionuclide transport from bedrock to biosphere and doses to humans. Julkaisun esittämispaikka: 4th International Conference on Radioecology & Environmental Radioactivity, Berlin, Saksa.

Cui Q, Zhang Y, Ni W, Valkama M, Jantti R. 2017. Energy Efficiency Maximization of Full-Duplex Two-Way Relay with Non-Ideal Power Amplifiers and Non-Negligible Circuit Power. IEEE Transactions on Wireless Communications. 16(9):6264-6278. https://doi.org/10.1109/TWC.2017.2721372

Paunonen L. 2017. Robust Output Regulation for Continuous-Time Periodic Systems. IEEE Transactions on Automatic Control. 62(9):4363-4375. https://doi.org/10.1109/TAC.2017.2654968

Shahshahan M, Keinänen P, Vuorinen J. 2017. The Effect of Ultrasonic Dispersion on the Surface Chemistry of Carbon Nanotubes in the Jeffamine D-230 Polyetheramine Medium. IEEE Transactions on Nanotechnology. 16(5):741-744. https://doi.org/10.1109/TNANO.2017.2691904

Leinonen J, Leppänen L, Ihantola P, Hellas A. 2017. Comparison of time metrics in programming. teoksessa ICER 2017 - Proceedings of the 2017 ACM Conference on International Computing Education Research. ACM. Sivut 200-208. https://doi.org/10.1145/3105726.3106181

Korpela T, Kumpulainen P, Majanne Y, Häyrinen A, Lautala P. 2017. Indirect NO_x emission monitoring in natural gas fired boilers. Control Engineering Practice. 65:11-25. https://doi.org/10.1016/j.conengprac.2017.04.013

Desogus C, Fadda M, Murroni M, Araniti G, Orsino A. 2017. Mobility aware eMBMS management in urban 5G-oriented systems. teoksessa 2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017. IEEE. https://doi.org/10.1109/BMSB.2017.7986140

Rajan DK, Verho J, Kreutzer J, Valimaki H, Ihalainen H, Lekkala J, Patrikoski M, Miettinen S. 2017. Monitoring pH, temperature and humidity in long-term stem cell culture in CO_2 incubator. teoksessa 2017 IEEE International Symposium on Medical Measurements and Applications (MeMeA). IEEE. Sivut 470-474. https://doi.org/10.1109/MeMeA.2017.7985922

Araniti G, Orsino A, Militano L, Putrino G, Andreev S, Koucheryavy Y, Iera A. 2017. Novel D2D-based relaying method for multicast services over 3GPP LTE-A systems. teoksessa 2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017. IEEE. https://doi.org/10.1109/BMSB.2017.7986137

Orsino A, Araniti G, Scopelliti P, Gudkova IA, Samouylov KE, Iera A. 2017. Optimal subgroup configuration for multicast services over 5G-satellite systems. teoksessa 2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017. IEEE. https://doi.org/10.1109/BMSB.2017.7986134

Tripathi S, Lloyd-Price J, Ribeiro A, Yli-Harja O, Dehmer M, Emmert-Streib F. 2017. sgnesR: An R package for simulating gene expression data from an underlying real gene network structure considering delay parameters. BMC Bioinformatics. 18(1). https://doi.org/10.1186/s12859-017-1731-8

Rauti S, Lahtiranta J, Parisod H, Hyrynsalmi S, Salanterä S, Aromaa ME, Smed J, Leppänen V. 2017. A Proxy-Based Solution for Asynchronous Telemedical Systems. International Journal of E-health and Medical Communication. 8(3):70-83. https://doi.org/10.4018/IJEHMC.2017070105

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

Leppänen L, Leinonen J, Ihantola P, Hellas A. 2017. Using and collecting fine-grained usage data to improve online learning materials. teoksessa Proceedings - 2017 IEEE/ACM 39th International Conference on Software Engineering: Software Engineering and Education Track, ICSE-SEET 2017. IEEE. Sivut 4-12. https://doi.org/10.1109/ICSE-SEET.2017.12

Waris MA, Iosifidis A, Gabbouj M. 2017. CNN-based edge filtering for object proposals. Neurocomputing. 266:631-640. https://doi.org/10.1016/j.neucom.2017.05.071

Rantanen P, Sillberg P, Soini J. 2017. Towards the Utilization of Crowdsourcing in Traffic Condition Reporting. teoksessa 2017 40h International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2017 - Proceedings. IEEE. Sivut 985-990. https://doi.org/10.23919/MIPRO.2017.7973567

Leinonen J, Ihantola P, Hellas A. 2017. Preventing keystroke based identification in open data sets. teoksessa L@S 2017 - Proceedings of the 4th (2017) ACM Conference on Learning at Scale. ACM. Sivut 101-109. https://doi.org/10.1145/3051457.3051458

Vorwerk J, Engwer C, Pursiainen S, Wolters CH. 2017. A Mixed Finite Element Method to Solve the EEG Forward Problem. IEEE Transactions on Medical Imaging. 36(4):930-941. https://doi.org/10.1109/TMI.2016.2624634

Mattila J, Koivumäki J, Caldwell DG, Semini C. 2017. A survey on control of hydraulic robotic manipulators with projection to future trends. IEEE - ASME Transactions on Mechatronics. 22(2):669-680. https://doi.org/10.1109/TMECH.2017.2668604

Mattila J, Semini C, Moon H, Buchli J, Hyon S, Li PY, Yao B. 2017. Guest editorial introduction to the focused section on design and control of hydraulic robots. IEEE - ASME Transactions on Mechatronics. 22(2):585-588. https://doi.org/10.1109/TMECH.2017.2668611

Petrov V, Komarov M, Moltchanov D, Jornet JM, Koucheryavy Y. 2017. Interference and SINR in Millimeter Wave and Terahertz Communication Systems With Blocking and Directional Antennas. IEEE Transactions on Wireless Communications. 16(3):1791-1808. https://doi.org/10.1109/TWC.2017.2654351

González-Díaz I, Birinci M, Díaz-De-María F, Delp EJ. 2017. Neighborhood Matching for Image Retrieval. IEEE Transactions on Multimedia. 19(3):544-558. https://doi.org/10.1109/TMM.2016.2616298

Chaudhary S, Berki E, Nykänen P, Zolotavkin Y, Helenius M, Kela J. 2017. Towards a conceptual framework for privacy protection in the use of interactive 360° video surveillance. teoksessa 2016 22nd International Conference on Virtual System & Multimedia (VSMM). IEEE. https://doi.org/10.1109/VSMM.2016.7863179

Siiskonen A, Priimägi A. 2017. Benchmarking DFT methods with small basis sets for the calculation of halogen-bond strengths. Journal of Molecular Modeling. 23(2). https://doi.org/10.1007/s00894-017-3212-4

Orsino A, Ometov A, Fodor G, Moltchanov D, Militano L, Andreev S, Yilmaz ONC, Tirronen T, Torsner J, Araniti G, Iera A, Dohler M, Koucheryavy Y. 2017. Effects of Heterogeneous Mobility on D2D-and Drone-Assisted Mission-Critical MTC in 5G. IEEE Communications Magazine. 55(2):79-87. https://doi.org/10.1109/MCOM.2017.1600443CM

Rahmatallah Y, Zybailov B, Emmert-Streib F, Glazko G. 2017. GSAR: Bioconductor package for Gene Set analysis in R. BMC Bioinformatics. 18(1). https://doi.org/10.1186/s12859-017-1482-6

Youvalari RG, Aminlou A, Hannuksela MM, Gabbouj M. 2017. Efficient coding of 360-degree pseudo-cylindrical panoramic video for virtual reality applications. teoksessa 2016 IEEE International Symposium on Multimedia (ISM). IEEE. Sivut 525-528. https://doi.org/10.1109/ISM.2016.74

Kammachi-Sreedhar K, Aminlou A, Hannuksela MM, Gabbouj M. 2017. Standard-compliant multiview video coding and streaming for virtual reality applications. teoksessa 2016 IEEE International Symposium on Multimedia (ISM). IEEE. Sivut 295-300. https://doi.org/10.1109/ISM.2016.0065

Kammachi-Sreedhar K, Aminlou A, Hannuksela MM, Gabbouj M. 2017. Viewport-adaptive encoding and streaming of 360-degree video for virtual reality applications. teoksessa 2016 IEEE International Symposium on Multimedia (ISM). IEEE. Sivut 583-586. https://doi.org/10.1109/ISM.2016.0126

Murayama M, Oguro D, Kikuchi H, Huttunen H, Ho YS, Shin J. 2017. Color-distribution similarity by information theoretic divergence for color images. teoksessa 2016 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference, APSIPA 2016. IEEE. https://doi.org/10.1109/APSIPA.2016.7820681

Kovács PT, Zare A, Balogh T, Bregovic R, Gotchev A. 2017. Architectures and codecs for real-time light field streaming. Journal of Imaging Science and Technology. 61(1). https://doi.org/10.2352/J.ImagingSci.Technol.2017.61.1.010403

Pursiainen S, Agsten B, Wagner S, Wolters CH. 2017. Advanced boundary electrode modeling for tES and parallel tES/EEG. IEEE Transactions on Neural Systems and Rehabilitation Engineering. 26(1):37-44. https://doi.org/10.1109/TNSRE.2017.2748930

Lenarduzzi V, Stan AC, Taibi D, Tosi D, Venters G. 2017. A dynamical quality model to continuously monitor software maintenance. teoksessa Proceedings of the 11th European Conference on Information Systems Management, ECISM 2017. Academic Conferences and Publishing International Limited. Sivut 168-178.

Potapov I, Järvenpää M, Åkerblom M, Raumonen P, Kaasalainen M. 2017. Bayes Forest: A data-intensive generator of morphological tree clones. GigaScience. 6(10). https://doi.org/10.1093/gigascience/gix079

Egiazarian K, Danielyan A, Ponomarenkoa N, Foia A, Ieremeiev O, Lukin V. 2017. BM3D-HVS: Content-Adaptive denoising for improved visual quality. teoksessa Image Processing: Algorithms and Systems XV. Sivut 48-55. (Electronic Imaging). https://doi.org/10.2352/ISSN.2470-1173.2017.13.DPMI-083

Niutanen V, Hölttä-Otto K, Rahardjo A, Stowe HM, Helo P, Pulkkinen A. 2017. Complex elevator system DSM-case for a DSM design sprint. teoksessa Understand, Innovate, and Manage your Complex System! - Proceedings of the 19th International DSM Conference. The Design Society. Sivut 259-264.

Katkovnik V, Shevkunov I, Petrov NV, Egiazarian K. 2017. Computational wavelength resolution for in-line lensless holography: Phase-coded diffraction patterns and wavefront group-sparsity. teoksessa Digital Optical Technologies 2017. SPIE. (Proceedings of SPIE). https://doi.org/10.1117/12.2269327

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

Stoykova E, Nazarova D, Berberova N, Gotchev A, Ivanov B, Mateev G. 2017. Dynamic laser speckle metrology with binarization of speckle patterns. teoksessa 19th International Conference and School on Quantum Electronics: Laser Physics and Applications. SPIE. (Proceedings of SPIE). https://doi.org/10.1117/12.2262330

Nogueira IBR, Ribeiro AM, Rodrigues AE, Loureiro JM. 2017. Dynamic response to process disturbances—A comparison between TMB/SMB models in transient regime. Computers and Chemical Engineering. 99:230-244. https://doi.org/10.1016/j.compchemeng.2017.01.026

Tosi D, Lenarduzzi V, Morasca S, Taibi D. 2017. Experimenting traditional and modern reliability models in a 3-years european software project. teoksessa Proceedings of the 11th European Conference on Information Systems Management, ECISM 2017. Academic Conferences and Publishing International Limited. Sivut 304-314.

Ieremeiev O, Lukin V, Ponomarenko N, Egiazarian K. 2017. Full-reference metrics multidistortional analysis. teoksessa Image Processing: Algorithms and Systems XV. Sivut 27-35. (Electronic Imaging). https://doi.org/10.2352/ISSN.2470-1173.2017.13.IPAS-202

Vihervaara J, Alapaholuoma T. 2017. Internet of Things: Opportunities for vocational education and training: Presentation of the pilot project. teoksessa CSEDU 2017 - Proceedings of the 9th International Conference on Computer Supported Education. SCITEPRESS. Sivut 476-480. https://doi.org/10.5220/0006353204760480

Borges LR, Guerrero I, Bakic PR, Foi A, Maidment ADA, Vieira MAC. 2017. Method for Simulating Dose Reduction in Digital Breast Tomosynthesis. IEEE Transactions on Medical Imaging. 36(11):2331-2342. https://doi.org/10.1109/TMI.2017.2715826

Donohoe M, Jennings B, Jornet JM, Balasubramaniam S. 2017. Nanodevice Arrays for Peripheral Nerve Fascicle Activation Using Ultrasound Energy-harvesting. IEEE Transactions on Nanotechnology. 16(6):919-930. https://doi.org/10.1109/TNANO.2017.2723658

Filippov V, Vorotynskii A, Noronen T, Gumenyuk R, Chamorovskii Y, Golant K. 2017. Picosecond MOPA with ytterbium doped tapered double clad fiber. teoksessa Fiber Lasers XIV: Technology and Systems. SPIE. (Proceedings of SPIE; 10083). https://doi.org/10.1117/12.2252006

Orsino A, Samuylov A, Moltchanov D, Andreev S, Militano L, Araniti G, Koucheryavy Y. 2017. Time-Dependent Energy and Resource Management in Mobility-Aware D2D-Empowered 5G Systems. IEEE Wireless Communications. 24(4):14-22. https://doi.org/10.1109/MWC.2017.1600393

Babahajiani P, Fan L, Kämäräinen J-K, Gabbouj M. 2017. Urban 3D segmentation and modelling from street view images and LiDAR point clouds. Machine Vision and Applications. 28(7):679–694. https://doi.org/10.1007/s00138-017-0845-3

Niemi E, Pekkola S. 2017. Using enterprise architecture artefacts in an organisation. Enterprise Information Systems. 11(3):313-338. https://doi.org/10.1080/17517575.2015.1048831

Ruokonen A, Wu Z, Lu R. 2016. Describing mobile devices as RESTful services for the end-users. teoksessa 2016 IEEE International Conference on Mobile Services (MS). IEEE. Sivut 127-134. https://doi.org/10.1109/MobServ.2016.27

Urama J, Olshannikova E, Ometov A, Masek P, Andreev S, Olsson T, Hosek J, Niutanen J, Koucheryavy Y, Mikkonen T. 2016. Dynamic social trust associations over d2d communications: An implementation perspective. teoksessa 2016 IEEE International Conference on Mobile Services (MS). IEEE. Sivut 186-189. https://doi.org/10.1109/MobServ.2016.41

Basole RC, Huhtamäki J, Still K, Russell MG. 2016. Visual decision support for business ecosystem analysis. Expert Systems with Applications. 65:271-282. https://doi.org/10.1016/j.eswa.2016.08.041

Mäkinen S, Leppänen M, Kilamo T, Mattila A-L, Laukkanen E, Pagels M, Männistö T. 2016. Improving the delivery cycle: A multiple-case study of the toolchains in Finnish software intensive enterprises. Information and Software Technology. 80:1339-1351. https://doi.org/10.1016/j.infsof.2016.09.001

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

Stupnikov A, Tripathi S, De Matos Simoes R, McArt D, Salto-Tellez M, Glazko G, Dehmer M, Emmert-Streib F. 2016. SamExploreR: Exploring reproducibility and robustness of RNA-seq results based on SAM files. Bioinformatics. 32(21):3345-3347. https://doi.org/10.1093/bioinformatics/btw475

Rakkolainen I, Raisamo R, Turk M, Höllerer T, Palovuori K. 2016. Casual immersive viewing with smartphones. teoksessa AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM. Sivut 449-452. https://doi.org/10.1145/2994310.2994314

Hokkanen L, Xu Y, Väänänen K. 2016. Focusing on user experience and business models in startups: Investigation of two-dimensional value creation. teoksessa AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM. Sivut 59-67. https://doi.org/10.1145/2994310.2994371

Hildén E, Väätäjä H, Roto V, Uusitalo K. 2016. Participatory development of user experience design guidelines for a B2B company. teoksessa AcademicMindtrek '16 Proceedings of the 20th International Academic Mindtrek Conference . ACM. Sivut 49-58. https://doi.org/10.1145/2994310.2994355

Mattila A-L, Ihantola P, Kilamo T, Luoto A, Nurminen M, Väätäjä H. 2016. Software visualization today - Systematic literature review. teoksessa AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM. Sivut 262-271. https://doi.org/10.1145/2994310.2994327

Jumisko-Pyykkö S, Pesonen E, Väätäjä H. 2016. Temporal dimensions of affect in user experience of digital news in the field. teoksessa AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM. Sivut 192-197. https://doi.org/10.1145/2994310.2994370

Aldawood S, Fowley F, Pahl C, Taibi D, Liu X. 2016. A coordination-based brokerage architecture for multi-cloud resource markets. teoksessa Proceedings - 2016 4th International Conference on Future Internet of Things and Cloud Workshops, W-FiCloud 2016. Institute of Electrical and Electronics Engineers Inc. Sivut 7-14. https://doi.org/10.1109/W-FiCloud.2016.19

Lenarduzzi V, Taibi D. 2016. MVP Explained: A Systematic Mapping Study on the Definitions of Minimal Viable Product. teoksessa Proceedings - 42nd Euromicro Conference on Software Engineering and Advanced Applications, SEAA 2016. IEEE. Sivut 112-119. https://doi.org/10.1109/SEAA.2016.56

Viehrig M, Tuukkanen S, Kallio P. 2016. Challenges and capabilities of conductive polymeric materials for electromechanical stimulation of stem cells: A case study. teoksessa 2016 International Conference on Manipulation, Automation and Robotics at Small Scales, MARSS 2016. Institute of Electrical and Electronics Engineers Inc. https://doi.org/10.1109/MARSS.2016.7561744

Korpi D, Tamminen J, Turunen M, Huusari T, Choi YS, Anttila L, Talwar S, Valkama M. 2016. Full-duplex mobile device: Pushing the limits. IEEE Communications Magazine. 54(9):80-87. https://doi.org/10.1109/MCOM.2016.7565192

Zhu S, Zeng B, Zeng L, Gabbouj M. 2016. Image interpolation based on non-local geometric similarities and directional gradients. IEEE Transactions on Multimedia. 18(9):1707-1719. https://doi.org/10.1109/TMM.2016.2593039

Ruohonen J, Hyrynsalmi S, Leppänen V. 2016. Trading exploits online: A preliminary case study. teoksessa IEEE RCIS 2016 - IEEE 10th International Conference on Research Challenges in Information Science. IEEE COMPUTER SOCIETY PRESS. https://doi.org/10.1109/RCIS.2016.7549301

Korpi D, Anttila L, Valkama M. 2016. Asymmetric full-duplex with contiguous downlink carrier aggregation. teoksessa 2016 IEEE 17th International Workshop on Signal Processing Advances in Wireless Communications (SPAWC). IEEE. https://doi.org/10.1109/SPAWC.2016.7536807

Andreev S, Galinina O, Pyattaev A, Hosek J, Masek P, Yanikomeroglu H, Koucheryavy Y. 2016. Exploring synergy between communications, caching, and computing in 5G-grade deployments. IEEE Communications Magazine. 54(8):60-69. https://doi.org/10.1109/MCOM.2016.7537178

Ometov A, Orsino A, Militano L, Moltchanov D, Araniti G, Olshannikova E, Fodor G, Andreev S, Olsson T, Iera A, Torsner J, Koucheryavy Y, Mikkonen T. 2016. Toward trusted, social-aware D2D connectivity: Bridging across the technology and sociality realms. IEEE Wireless Communications. 23(4):103-111. https://doi.org/10.1109/MWC.2016.7553033

Soini J, Sillberg P, Rantanen P, Nummela J. 2016. Portable sensor system for reliable condition measurement. teoksessa 2016 39th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2016 - Proceedings. Sivut 1190-1195. https://doi.org/10.1109/MIPRO.2016.7522320

Linna P, Mäkinen T, Keto H. 2016. Utilizing MOOCs in the development of education and training programs. teoksessa 2016 39th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2016 - Proceedings. Sivut 861-864. https://doi.org/10.1109/MIPRO.2016.7522260

Korpela T, Suominen O, Majanne Y, Laukkanen V, Lautala P. 2016. Robust data reconciliation of combustion variables in multi-fuel fired industrial boilers. Control Engineering Practice. 55:101-115. https://doi.org/10.1016/j.conengprac.2016.07.002

Pyattaev A, Johnsson K, Andreev S, Koucheryavy Y. 2016. A novel stochastic channel modeling approach for mmWave systems with beamforming. teoksessa 2016 IEEE 83rd Vehicular Technology Conference (VTC Spring) . IEEE. https://doi.org/10.1109/VTCSpring.2016.7504091

Xing H, Renfors M. 2016. Multi-carrier CDMA for network assisted device-to-device communications for an integrated OFDMA cellular system. teoksessa 2016 IEEE 83rd Vehicular Technology Conference (VTC Spring) . https://doi.org/10.1109/VTCSpring.2016.7504354

Dikmese S, Ilyas Z, Sofotasios P, Renfors M, Valkama M. 2016. Novel frequency domain cyclic prefix autocorrelation based compressive spectrum sensing for cognitive radio. teoksessa 2016 IEEE 83rd Vehicular Technology Conference (VTC Spring) . IEEE. https://doi.org/10.1109/VTCSpring.2016.7504368

Suominen O, Mörsky V, Ritala R, Vilkko M. 2016. Framework for optimization and scheduling of a copper production plant . teoksessa 26th European Symposium on Computer Aided Process Engineering, 2016. Elsevier Science B.V. Sivut 1243-1248. (Computer Aided Chemical Engineering). https://doi.org/10.1016/B978-0-444-63428-3.50212-5

Mäkelä V, Korhonen H, Ojala J, Järvi A, Väänänen K, Raisamo R, Turunen M. 2016. Investigating mid-air gestures and handhelds in motion tracked environments. teoksessa PerDis 2016 - Proceedings of the 5th ACM International Symposium on Pervasive Displays. ACM. Sivut 45-51. https://doi.org/10.1145/2914920.2915015

Emmert-Streib F, Dehmer M, Shi Y. 2016. Fifty years of graph matching, network alignment and network comparison. Information Sciences. 346-347:180-197. https://doi.org/10.1016/j.ins.2016.01.074

Vihonen J, Honkakorpi J, Tuominen J, Mattila J, Visa A. 2016. Linear accelerometers and rate gyros for rotary joint angle estimation of heavy-duty mobile manipulators using forward kinematic modeling. IEEE - ASME Transactions on Mechatronics. 21(3):1765-1774. https://doi.org/10.1109/TMECH.2016.2544352

Patrona F, Iosifidis A, Tefas A, Nikolaidis N, Pitas I. 2016. Visual Voice Activity Detection in the Wild. IEEE Transactions on Multimedia. 18(6):967-977. https://doi.org/10.1109/TMM.2016.2535357

Hästbacka D, Zoitl A. 2016. Towards semantic self-description of industrial devices and control system interfaces. teoksessa 2016 IEEE International Conference on Industrial Technology (ICIT) . Institute of Electrical and Electronics Engineers IEEE. Sivut 879-884. https://doi.org/10.1109/ICIT.2016.7474867

Mäkitalo N, Aaltonen T, Mikkonen T. 2016. Coordinating proactive social devices in a mobile cloud: Lessons learned and a way forward. teoksessa MOBILESoft '16 Proceedings of the International Conference on Mobile Software Engineering and Systems . ACM. Sivut 179-188. https://doi.org/10.1145/2897073.2897079

Häkkinen A, Ribeiro AS. 2016. Characterizing rate limiting steps in transcription from RNA production times in live cells. Bioinformatics. 32(9):1346-1352. https://doi.org/10.1093/bioinformatics/btv744

Ometov A, Masek P, Malina L, Florea R, Hosek J, Andreev S, Hajny J, Niutanen J, Koucheryavy Y. 2016. Feasibility characterization of cryptographic primitives for constrained (wearable) IoT devices. teoksessa IEEE International Conference on Pervasive Computing and Communication Workshops, PerCom Workshops 2016. IEEE. https://doi.org/10.1109/PERCOMW.2016.7457161

Andreev S, Hosek J, Olsson T, Johnsson K, Pyattaev A, Ometov A, Olshannikova E, Gerasimenko M, Masek P, Koucheryavy Y, Mikkonen T. 2016. A unifying perspective on proximity-based cellular-assisted mobile social networking. IEEE Communications Magazine. 54(4):108-116. https://doi.org/10.1109/MCOM.2016.7452274

Galinina O, Tabassum H, Mikhaylov K, Andreev S, Hossain E, Koucheryavy Y. 2016. On feasibility of 5G-grade dedicated RF charging technology for wireless-powered wearables. IEEE Wireless Communications. 23(2):28-37. https://doi.org/10.1109/MWC.2016.7462482

Strokina N, Matas J, Eerola T, Lensu L, Kälviäinen H. 2016. Detection of bubbles as concentric circular arrangements. Machine Vision and Applications. 27(3):387-396. https://doi.org/10.1007/s00138-016-0749-7

Abdelaziz M, Fu Z, Anttila L, Wyglinski AM, Valkama M. 2016. Digital predistortion for mitigating spurious emissions in spectrally agile radios. IEEE Communications Magazine. 54(3):60-69. https://doi.org/10.1109/MCOM.2016.7432149

Ponomarenko-Timofeev A, Pyattaev A, Andreev S, Koucheryavy Y, Mueck M, Karls I. 2016. Highly dynamic spectrum management within licensed shared access regulatory framework. IEEE Communications Magazine. 54(3):100-109. https://doi.org/10.1109/MCOM.2016.7432155

Habib M, Rasheed S, Hussain A, Ali M. 2016. Random Value Impulse Noise Removal Based on Most Similar Neighbors. teoksessa 2015 13th International Conference on Frontiers of Information Technology (FIT) . IEEE. Sivut 329-333. https://doi.org/10.1109/FIT.2015.64

Garcia-Fernandez J, Joutsiniemi A, Ahn Y, Fernandez JJ. 2016. Quantitative + qualitative information for heritage conservation: An open science research for paving 'collaboratively' the way to historical-BIM. teoksessa 2015 Digital Heritage International Congress, Digital Heritage 2015. IEEE. Sivut 207-208. https://doi.org/10.1109/DigitalHeritage.2015.7419495

Ropo M, Schneider M, Baldauf C, Blum V. 2016. First-principles data set of 45,892 isolated and cation-coordinated conformers of 20 proteinogenic amino acids. Scientific Data. 3. https://doi.org/10.1038/sdata.2016.9

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

Balasubramaniam S, Jornet JM, Pierobon M, Koucheryavy Y. 2016. Guest editorial special issue on the internet of nano things. IEEE Internet of Things Journal. 3(1):1-3. https://doi.org/10.1109/JIOT.2016.2516838

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. teoksessa SIMULTECH 2016 - Proceedings of the 6th International Conference on Simulation and Modeling Methodologies, Technologies and Applications. SCITEPRESS. Sivut 44-55.

Pakkanen J, Juuti T, Lehtonen T. 2016. Brownfield Process: A method for modular product family development aiming for product configuration. DESIGN STUDIES. 45B:210-241. https://doi.org/10.1016/j.destud.2016.04.004

Niemi H, Multisilta J. 2016. Digital storytelling promoting twenty-first century skills and student engagement. Technology, Pedagogy and Education. 25(4):451-468. https://doi.org/10.1080/1475939X.2015.1074610

Isotalo TJ, Niemi T. 2016. Dots-on-the-fly electron beam lithography. Bencher C, Toimittaja. teoksessa SPIE Proceedings: Alternative Lithographic Technologies VIII. SPIE. (Proceedings of SPIE). https://doi.org/10.1117/12.2219136

Zia N, Viheriälä J, Koskinen R, Koskinen M, Suomalainen S, Guina M. 2016. Fabrication and characterization of broadband superluminescent diodes for 2 μm wavelength. teoksessa Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XX. SPIE. (Proceedings of SPIE). https://doi.org/10.1117/12.2209720

Iosifidis A, Tefas A, Pitas I. 2016. Graph Embedded Extreme Learning Machine. IEEE Transactions on Cybernetics. 46(1):311 - 324. https://doi.org/10.1109/TCYB.2015.2401973

Viheriälä J, Aho AT, Mäkelä J, Salmi J, Virtanen H, Leinonen T, Dumitrescu M, Guina M. 2016. High-power 1550 nm tapered DBR lasers fabricated using soft UV-nanoimprint lithography. teoksessa High-Power Diode Laser Technology and Applications XIV. SPIE. (SPIE Conference Proceedings). https://doi.org/10.1117/12.2207423

Moirangthem M, Stumpel JE, Alp B, Teunissen P, Bastiaansen CWM, Schenning APHJ. 2016. Hot pen and laser writable photonic polymer films. teoksessa Emerging Liquid Crystal Technologies XI. SPIE. https://doi.org/10.1117/12.2209065

Voutilainen JP, Mattila AL, Systä K, Mikkonen T. 2016. HTML5-based mobile agents for Web-of-Things. Informatica. 40(1):43-51.

Aalto T, Harjanne M, Offrein BJ, Caër C, Neumeyr C, Malacarne A, Guina M, Sheehan RN, Peters FH, Melanen P. 2016. Integrating III-V, Si, and polymer waveguides for optical interconnects: RAPIDO. teoksessa Optical Interconnects XVI. SPIE. (Proceedings of SPIE). https://doi.org/10.1117/12.2214786

Afolaranmi SO, Gonzalez Moctezuma LE, Rak M, Casola V, Rios E, Martinez Lastra JL. 2016. Methodology to obtain the security controls in multi-cloud applications. teoksessa CLOSER 2016 - Proceedings of the 6th International Conference on Cloud Computing and Services Science. SCITEPRESS. Sivut 327-332. https://doi.org/10.5220/0005912603270332

Mesaros A, Heittola T, Virtanen T. 2016. Metrics for polyphonic sound event detection. Applied Sciences. 6(6). https://doi.org/10.3390/app6060162

Fotiadi AA, Korobko DA, Okhotnikov OG, Zolotovskii IO. 2016. Optical fiber amplifier with spectral compression elements for high-power laser pulse generation. teoksessa Nonlinear Optics and its Applications IV. SPIE. (Proceedings of SPIE). https://doi.org/10.1117/12.2223637

Frantc VA, Makov SV, Voronin VV, Marchuk VI, Semenishchev EA, Egiazarian KO, Agaian S. 2016. Simultenious binary hash and features learning for image retrieval. teoksessa Mobile Multimedia/Image Processing, Security, and Applications 2016. SPIE. (SPIE Conference Proceedings). https://doi.org/10.1117/12.2223605

Zemliachenko A, Lukin V, Ponomarenko N, Egiazarian K, Astola J. 2016. Still image/video frame lossy compression providing a desired visual quality. Multidimensional Systems and Signal Processing. 27(3):697-718. https://doi.org/10.1007/s11045-015-0333-8

Yunas SF, Ansari WH, Valkama M. 2016. Technoeconomical Analysis of Macrocell and Femtocell Based HetNet under Different Deployment Constraints. Mobile Information Systems. 2016. https://doi.org/10.1155/2016/6927678

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

Dai C-Q, Li F-J, Renfors M. 2015. Energy cooperation for throughput optimization based on save-then-transmit protocol in wireless communication system. Eurasip Journal on Wireless Communications and Networking. 2015(1). https://doi.org/10.1186/s13638-015-0364-8

Naumenko V, Solodovnik V, Totsky A, Zelensky A, Astola J. 2015. Bispectrum-based demodulation technique using triple-channel heterodyning of triplet-signal. teoksessa 2015 Second International Scientific-Practical Conference Problems of Infocommunications Science and Technology (PIC S&T). IEEE. Sivut 224-226. https://doi.org/10.1109/INFOCOMMST.2015.7357319

Rubel O, Ponomarenko N, Lukin V, Astola J, Egiazarian K. 2015. HVS-based local analysis of denoising efficiency for DCT-based filters. teoksessa 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings. IEEE. Sivut 189-192. https://doi.org/10.1109/INFOCOMMST.2015.7357309

Kozhemiakina N, Lukin V, Ponomarenko N, Akulynichev A, Astola J, Egiazarian K. 2015. Method of data compression for traffic monitoring. teoksessa 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings. IEEE. Sivut 153-156. https://doi.org/10.1109/INFOCOMMST.2015.7357299

Naumenko A, Krivenko S, Ponomarenko N, Zelensky A, Lukin V. 2015. Texture detection in noisy images by combining several local parameters. teoksessa 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings. Institute of Electrical and Electronics Engineers Inc. Sivut 230-233. https://doi.org/10.1109/INFOCOMMST.2015.7357321

Shahriar MS, Rahman MS. 2015. Urban sensing and smart home energy optimisations: A machine learning approach. teoksessa IoT-App 2015 - Proceedings of the 2015 International Workshop on Internet of Things Towards Applications, co-located with SenSys 2015. ACM. Sivut 19-22. https://doi.org/10.1145/2820975.2820979

Paunonen L, Laakkonen P. 2015. Polynomial Input-Output Stability for Linear Systems. IEEE Transactions on Automatic Control. 60(10):2797-2802. https://doi.org/10.1109/TAC.2015.2398890

Luhtala M, Karvonen T, Pylväs J, Ala-Kokko A, Magica R, Takeda Y, Turunen M. 2015. Antroposeeni - A mixed reality game. teoksessa ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference. Association for Computing Machinery, Inc. Sivut 211-213. https://doi.org/10.1145/2818187.2818287

Nummenmaa T, Kultima A, Kankainen V, Savolainen S, Syvänen A, Alha K, Mäyrä F. 2015. OASIS deck of cards - House of colleagues: A playful. teoksessa ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference. Association for Computing Machinery, Inc. Sivut 2-9. https://doi.org/10.1145/2818187.2818296

Martin F, Singh D, Belahcen A, Rasilo P, Haavisto A, Arkkio A. 2015. Analytical model for magnetic anisotropy of non-oriented steel sheets. COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 34(5):1475-1488. https://doi.org/10.1108/COMPEL-02-2015-0076

Shah SB, Rasilo P, Belahcen A, Arkkio A. 2015. Estimation of additional losses due to random contacts at the edges of stator of an electrical machine. COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 34(5):1501-1510. https://doi.org/10.1108/COMPEL-02-2015-0083

Iosifidis A, Tefas A, Pitas I. 2015. DropELM: Fast neural network regularization with Dropout and DropConnect. Neurocomputing. 162:57-66. https://doi.org/10.1016/j.neucom.2015.04.006

Kymalainen T, Perala P, Hakulinen J, Heimonen T, James J, Pera J. 2015. Evaluating a Future Remote Control Environment with an Experience-Driven Science Fiction Prototype. teoksessa Proceedings - 2015 International Conference on Intelligent Environments, IE 2015. Institute of Electrical and Electronics Engineers Inc. Sivut 81-88. https://doi.org/10.1109/IE.2015.19

Iosifidis A, Tefas A, Pitas I. 2015. Distance-based human action recognition using optimized class representations. Neurocomputing. 161:47-55. https://doi.org/10.1016/j.neucom.2014.10.088

Zhu S, Zeng B, Liu G, Zeng L, Fang L, Gabbouj M. 2015. Image interpolation based on non-local geometric similarities. teoksessa 2015 IEEE International Conference on Multimedia and Expo (ICME). IEEE COMPUTER SOCIETY PRESS. https://doi.org/10.1109/ICME.2015.7177417

Koivumäki J, Mattila J. 2015. Stability-Guaranteed Force-Sensorless Contact Force/Motion Control of Heavy-Duty Hydraulic Manipulators. IEEE Transactions on Robotics. 31(4):918-935. https://doi.org/10.1109/TRO.2015.2441492

Rantala M, Soini J, Kilamo T. 2015. Gathering useful programming data; Analysis and insights from real-time collaborative editing. teoksessa 2015 38th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2015 - Proceedings. The Institute of Electrical and Electronics Engineers, Inc. Sivut 229-234. https://doi.org/10.1109/MIPRO.2015.7160270

Stolze P, Karamanakos P, Kennel R, Manias S, Endisch C. 2015. Effective variable switching point predictive current control for ac low-voltage drives. International Journal of Control. 88(7):1366-1378. https://doi.org/10.1080/00207179.2014.942699

Rodrigues PC, Monteiro A, Lourenço VM. 2015. A robust AMMI model for the analysis of genotype-by-environment data. Bioinformatics. 32(1):58-66. https://doi.org/10.1093/bioinformatics/btv533

Gerasimenko M, Moltchanov D, Florea R, Himayat N, Andreev S, Koucheryavy Y. 2015. Prioritized centrally-controlled resource allocation in integrated multi-RAT HetNets. teoksessa IEEE Vehicular Technology Conference. The Institute of Electrical and Electronics Engineers, Inc. https://doi.org/10.1109/VTCSpring.2015.7146031

Aytekin C, Rezaeitabar Y, Dogru S, Ulusoy I. 2015. Railway fastener inspection by real-time machine vision. IEEE Transactions on Systems, Man, and Cybernetics: Systems. 45(7):1101-1107. https://doi.org/10.1109/TSMC.2014.2388435

Huusari T, Choi YS, Liikkanen P, Korpi D, Talwar S, Valkama M. 2015. Wideband self-adaptive RF cancellation circuit for full-duplex radio: Operating principle and measurements. teoksessa 2015 IEEE 81st Vehicular Technology Conference (VTC Spring). The Institute of Electrical and Electronics Engineers, Inc. https://doi.org/10.1109/VTCSpring.2015.7146163

Us D, Moreno-Galera A, Nazari-Farsani S, Palovuori K, Kosola H, Zedda T, Ruotsalainen U. 2015. AvanTomography: A compact module for positron emission mammography. teoksessa 2015 IEEE International Symposium on Medical Measurements and Applications, MeMeA 2015 - Proceedings. IEEE. Sivut 52-57. https://doi.org/10.1109/MeMeA.2015.7145171

Silverajan B, Luoma J-P, Vajaranta M, Itäpuro R. 2015. Collaborative cloud-based management of home networks. teoksessa Proceedings of the 2015 IFIP/IEEE International Symposium on Integrated Network Management, IM 2015. IEEE. Sivut 786-789. https://doi.org/10.1109/INM.2015.7140376

Abramova VV, Kozhemiakin R, Abramov SK, Lukin VV, Zelensky AA, Egiazarian K. 2015. Blind estimation of speckle variance in synthetic aperture radar images. teoksessa 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings. The Institute of Electrical and Electronics Engineers, Inc. https://doi.org/10.1109/ICATT.2015.7136846

Naumenko VV, Solodovnik VF, Totsky AV, Zelensky AA, Astola JT. 2015. Experimental study of bispectrum-based encoding in radio communication system. teoksessa 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings. The Institute of Electrical and Electronics Engineers, Inc. https://doi.org/10.1109/ICATT.2015.7136853

Saintsing CD, Yu K, Qi HJ, Tentzeris M. 2015. Planar monopole antennas on substrates fabricated through an additive manufacturing process. IEEE Radio and Wireless Symposium, RWS. 2015-June(June):159-161. https://doi.org/10.1109/RWS.2015.7129744

Samiee K, Kiranyaz S, Gabbouj M, Saramäki T. 2015. Long-term epileptic EEG classification via 2D mapping and textural features. Expert Systems with Applications. 42(20):7175-7185. https://doi.org/10.1016/j.eswa.2015.05.002

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

Liang Y, Ma L, Wang J, Wang G. 2015. Multistep reactions of water with small Pd_n clusters: A first principles study. Journal of Theoretical and Computational Chemistry. 14(3). https://doi.org/10.1142/S0219633615500170

Heino M, Korpi D, Huusari T, Antonio-Rodríguez E, Venkatasubramanian S, Riihonen T, Anttila L, Icheln C, Haneda K, Wichman R, Valkama M. 2015. Recent advances in antenna design and interference cancellation algorithms for in-band full duplex relays. IEEE Communications Magazine. 53(5):91-101. https://doi.org/10.1109/MCOM.2015.7105647

Alevras I, Karamanakos P, Manias S, Kennel R. 2015. Variable switching point predictive torque control with extended prediction horizon. teoksessa 2015 IEEE International Conference on Industrial Technology, ICIT 2015. June toim. Institute of Electrical and Electronics Engineers Inc. Sivut 2352-2357. https://doi.org/10.1109/ICIT.2015.7125445

Paunonen L. 2015. Designing controllers with reduced order internal models. IEEE Transactions on Automatic Control. 60(3):775-780. https://doi.org/10.1109/TAC.2014.2329212

Järvelin K, Vakkari P, Arvola P, Baskaya F, Järvelin A, Kekäläinen J, Keskustalo H, Kumpulainen S, Saastamoinen M, Savolainen R, Sormunen E. 2015. Task-based information interaction evaluation: The viewpoint of program theory. ACM Transactions on Information Systems. 33(1). https://doi.org/10.1145/2699660

Akyildiz IF, Pierobon M, Balasubramaniam S, Koucheryavy Y. 2015. The internet of Bio-Nano things. IEEE Communications Magazine. 53(3):32-40. https://doi.org/10.1109/MCOM.2015.7060516

Rivero Rodriguez A, Leppäkoski H, Piché R. 2015. Semantic Labeling of Places based on Phone Usage Features using Supervised Learning. teoksessa 2014 Ubiquitous Positioning Indoor Navigation and Location Based Service, UPINLBS 2014 - Conference Proceedings. Piscataway, NJ, USA: IEEE. Sivut 97-102. https://doi.org/10.1109/UPINLBS.2014.7033715

Pyattaev A, Johnsson K, Andreev S, Koucheryavy Y. 2015. Communication challenges in high-density deployments of wearable wireless devices. IEEE Wireless Communications. 22(1):12-18. https://doi.org/10.1109/MWC.2015.7054714

M. Aref M, Oftadeh R, Ghabcheloo R, Mattila J. 2015. Fault tolerant control architecture design for mobile manipulation in scientific facilities. international Journal of Advanced Robotic Systems. 12(4). https://doi.org/10.5772/60038

Mygdalis V, Iosifidis A, Tefas A, Pitas I. 2015. Video summarization based on Subclass Support Vector Data Description. teoksessa IEEE SSCI 2014 - 2014 IEEE Symposium Series on Computational Intelligence - CIES 2014: 2014 IEEE Symposium on Computational Intelligence for Engineering Solutions, Proceedings. The Institute of Electrical and Electronics Engineers, Inc. Sivut 183-187. https://doi.org/10.1109/CIES.2014.7011849

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. teoksessa Proceedings of the 2014 Building Simulation and Optimization Conference. Sivut 2093-2100.

Häkkinen A, Ribeiro AS. 2015. Estimation of GFP-tagged RNA numbers from temporal fluorescence intensity data. Bioinformatics. 31(1):69-75. https://doi.org/10.1093/bioinformatics/btu592

Yunas S, Valkama M, Niemelä J. 2015. Spectral and energy efficiency of ultra-dense networks under different deployment strategies. IEEE Communications Magazine. 53(1):90-100. https://doi.org/10.1109/MCOM.2015.7010521

Tauriainen MK, Puttonen JA, Saari AJ. 2015. The assessment of constructability: BIM cases. Journal of Information Technology in Construction. 20:51-67.

Khonsari Z, Björninen T, Tentzeris MM, Sydänheimo L, Ukkonen L. 2015. 2.4 GHz inkjet-printed RF energy harvester on bulk cardboard substrate. teoksessa 2015 IEEE Radio and Wireless Symposium (RWS), 25-28 Jan. 2015, San Diego, CA . IEEE. Sivut 153-155. https://doi.org/10.1109/RWS.2015.7129721

Kantola E, Leinonen T, Ranta S, Tavast M, Penttinen J-P, Guina M. 2015. 1180nm VECSEL with 50 W output power. teoksessa Proceedings of SPIE - The International Society for Optical Engineering. SPIE. https://doi.org/10.1117/12.2079480

Rubel AS, Lukin VV, Egiazarian K. 2015. A method for predicting DCT-based denoising efficiency for grayscale images corrupted by AWGN and additive spatially correlated noise. teoksessa Proceedings of SPIE - The International Society for Optical Engineering. SPIE. https://doi.org/10.1117/12.2082533

Battisti F, Carli M, Stramacci A, Boev A, Gotchev A. 2015. A perceptual quality metric for high-definition stereoscopic 3D video. teoksessa Image Processing: Algorithms and Systems XIII. SPIE. (SPIE Conference Proceedings). https://doi.org/10.1117/12.2086901

Hyrynsalmi S, Seppänen M, Aarikka-Stenroos L, Suominen A, Järveläinen J, Harkke V. 2015. Busting myths of electronic word of mouth: The relationship between customer ratings and the sales of mobile applications. Journal of Theoretical and Applied Electronic Commerce Research. 10(2):1-18. https://doi.org/10.4067/S0718-18762015000200002

Lukin VV, Ponomarenko NN, Ieremeiev O, Egiazarian K, Astola J. 2015. Combining full-reference image visual quality metrics by neural network. teoksessa Proceedings of SPIE - The International Society for Optical Engineering. SPIE. https://doi.org/10.1117/12.2085465

Voronin VV, Marchuk VI, Fisunov AV, Tokareva SV, Egiazarian KO. 2015. Depth map occlusion filling and scene reconstruction using modified exemplar-based inpainting. teoksessa Image Processing: Algorithms and Systems XIII. SPIE. (SPIE Conference Proceedings). https://doi.org/10.1117/12.2076506

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

Iosifidis A. 2015. Extreme learning machine based supervised subspace learning. Neurocomputing. 167:158–164. https://doi.org/10.1016/j.neucom.2015.04.083

Ledentsov NN, Shchukin VA, Lyytikäinen J, Okhotnikov O, Cherkashin NA, Shernyakov YM, Payusov AS, Gordeev NY, Maximov MV, Schlichting S, Nippert F, Hoffmann A. 2015. Green (In,Ga,Al)P-GaP light-emitting diodes grown on high-index GaAs surfaces. teoksessa Proceedings of SPIE: Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XIX. SPIE. https://doi.org/10.1117/12.2083953

Leinonen T, Penttinen JP, Korpijärvi VM, Kantola E, Guina M. 2015. >8W GaInNAs VECSEL emitting at 615 nm. teoksessa Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) V. SPIE. https://doi.org/10.1117/12.2079162

AbuJarour S, Pawlowski J, Bick M, Bagucanskyte M, Frankenberg A, Hudak R, Makropoulos C, Pappa D, Pitsilis V, Pirkkalainen H, Tannhauser AC, Trepule E, Vidalis A, Volungeviciene A. 2015. Idea-space: A use case of collaborative course development in higher education. teoksessa Wissens-Gemeinschaften 2015. TUDpress Verlag der Wissenschaften GmbH. Sivut 149-156.

Frosio I, Egiazarian K, Pulli K. 2015. Machine learning for adaptive bilateral filtering. teoksessa Image Processing: Algorithms and Systems XIII. SPIE. (Proceedings of SPIE - The International Society for Optical Engineering). https://doi.org/10.1117/12.2077733

Ye C, Koponen J, Aallos V, Kokki T, Petit L, Kimmelma O. 2015. Measuring bend losses in large-mode-area fibers. teoksessa Fiber Lasers XII: Technology, Systems, and Applications. SPIE. https://doi.org/10.1117/12.2076813

Korpijärvi V-M, Kantola EL, Leinonen T, Guina M. 2015. Monolithic GaInNAsSb/GaAs VECSEL emitting at 1550 nm. teoksessa SPIE conference proceedings. SPIE. https://doi.org/10.1117/12.2077517

Cho C, Yi X, Wang Y, Tentzeris MM. 2015. Multi-physics modeling and simulation of a frequency doubling antenna sensor for passive wireless strain sensing. teoksessa Structural Health Monitoring 2015: System Reliability for Verification and Implementation - Proceedings of the 10th International Workshop on Structural Health Monitoring, IWSHM 2015. DEStech Publications. Sivut 864-872.

Voronin VV, Frantc VA, Marchuk VI, Sherstobitov AI, Egiazarian K. 2015. No-reference visual quality assessment for image inpainting. teoksessa Image Processing: Algorithms and Systems XIII. SPIE. (SPIE Conference Proceedings). https://doi.org/10.1117/12.2076507

Laihonen H, Syysnummi P. 2015. Organisational knowledge flows and structural change the case of dispersed education organizations. International Journal of Knowledge Management Studies. 6(3):247-260. https://doi.org/10.1504/IJKMS.2015.072711

Heikkinen J, Gumenyuk R, Rantamäki A, Lyytikäinen J, Leinonen T, Zolotovskii I, Melkumov M, Dianov EM, Okhotnikov OG. 2015. Power and wavelength scaling using semiconductor disk laser - bismuth fiber MOPA systems. Guina M, Toimittaja. teoksessa Vertical External Cavity Surface Emitting Lasers (VECSELs) V. BELLINGHAM: SPIE. (Proceedings of SPIE). https://doi.org/10.1117/12.2076805

Suominen O, Gotchev A. 2015. Preserving natural scene lighting by strobe-lit video. teoksessa Image Processing: Algorithms and Systems XIII. SPIE. (SPIE Conference Proceedings). https://doi.org/10.1117/12.2185013

Smirnov S, Gotchev A. 2015. Real-time depth image-based rendering with layered dis-occlusion compensation and aliasing-free composition. teoksessa Proceedings of SPIE - The International Society for Optical Engineering. SPIE. (SPIE Conference Proceedings). https://doi.org/10.1117/12.2086895

Hecker K, Clemens W, Lupo D, Breitung S. 2015. Roadmap for organic and printed electronics. teoksessa Smart Systems Integration 2015 - 9th International Conference and Exhibition on Integration Issues of Miniaturized Systems: MEMS, NEMS, ICs and Electronic Components, SSI 2015. Apprimus Verlag. Sivut 125-126.

Galinina O, Mikhaylov K, Andreev S, Turlikov A, Koucheryavy Y. 2015. Smart home gateway system over Bluetooth low energy with wireless energy transfer capability. Eurasip Journal on Wireless Communications and Networking. 2015(1). https://doi.org/10.1186/s13638-015-0393-3

Seppälä J, Salmenperä M. 2015. Towards dependable automation. teoksessa Cyber Security: Analytics, Technology and Automation: Part IV. Springer International Publishing. Sivut 229-249. (Intelligent Systems, Control and Automation: Science and Engineering). https://doi.org/10.1007/978-3-319-18302-2_15

Belahcen A, Rasilo P, Nguyen TT, Clénet S. 2015. Uncertainty propagation of iron loss from characterization measurements to computation of electrical machines. COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 34(3):624-636. https://doi.org/10.1108/COMPEL-10-2014-0271

Iosifidis A, Tefas A, Pitas I. 2014. Class-Specific Reference Discriminant Analysis With Application in Human Behavior Analysis. IEEE Transactions on Human-Machine Systems. 45(3):315-326. https://doi.org/10.1109/THMS.2014.2379274

Rahmatallah Y, Emmert-Streib F, Glazko G. 2014. Comparative evaluation of gene set analysis approaches for RNA-Seq data. BMC Bioinformatics. 15(1). https://doi.org/10.1186/s12859-014-0397-8

Iosifidis A, Tefas A, Pitas I. 2014. Regularized extreme learning machine for multi-view semi-supervised action recognition . Neurocomputing. 145:250-262. https://doi.org/10.1016/j.neucom.2014.05.036

Sharma S, Srivastava S, Sorathia K, Hakulinen J, Heimonen T, Turunen M, Rajput N. 2014. Body-touching: An embodied interaction technique for health information systems in developing regions. teoksessa MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc. Sivut 49-56. https://doi.org/10.1145/2676467.2676514

Luhtala M, Heimonen T, Mäkelä V, Keskinen T, Turunen M, Saarinen S. 2014. DYNAMO sound engine - Exploring the aesthetics of dynamic sound interactions. teoksessa MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc. Sivut 159-166. https://doi.org/10.1145/2676467.2676522

Franssila H, Okkonen J, Savolainen R. 2014. Email intensity, productivity and control in the knowledge worker's performance on the desktop. teoksessa MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc. Sivut 19-

22. https://doi.org/10.1145/2676467.2676513

Salmela JM, Thanisch P, Sotamaa O, Niemi T. 2014. Games and energy: Profiling power usage during play. teoksessa MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc. Sivut 192-199. https://doi.org/10.1145/2676467.2676488

Nummenmaa T, Kultima A, Tyni H, Alha K. 2014. MurMur Moderators, the talking playful seats. teoksessa MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc. Sivut 231-237. https://doi.org/10.1145/2676467.2676505

Juhola M, Joutsijoki H, Varpa K, Saarikoski J, Rasku J, Iltanen K, Laurikkala J, Hyyro H, Avalos-Salguero J, Siirtola H, Penttinen K, Aalto-Setala K. 2014. On computation of calcium cycling anomalies in cardiomyocytes data. teoksessa 2014 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2014. Institute of Electrical and Electronics Engineers Inc. Sivut 1444-1447. https://doi.org/10.1109/EMBC.2014.6943872

Kimionis J, Tentzeris MM. 2014. RF tag front-end design for uncompromised communication and harvesting. teoksessa 2014 IEEE RFID Technology and Applications Conference, RFID-TA 2014. Institute of Electrical and Electronics Engineers Inc. Sivut 109-114. https://doi.org/10.1109/RFID-TA.2014.6934210

Pirkkalainen H, Jokinen JPP, Pawlowski JM. 2014. Understanding social OER environments-A quantitative study on factors influencing the motivation to share and collaborate. IEEE Transactions on Learning Technologies. 7(4):388-400. https://doi.org/10.1109/TLT.2014.2323970

Wang J, Ma L, Liang Y, Gao M, Wang G. 2014. Density functional theory study of transition metals doped B_{80} fullerene. Journal of Theoretical and Computational Chemistry. 13(6). https://doi.org/10.1142/S0219633614500503

He Y, Pan Z, Yang J, Sun G, Tentzeris MM. 2014. Effect of feeder cable's phase tolerance on the first sidelobe level of base station antenna. teoksessa IWCMC 2014 - 10th International Wireless Communications and Mobile Computing Conference. Institute of Electrical and Electronics Engineers Inc. Sivut 1022-1026. https://doi.org/10.1109/IWCMC.2014.6906495

Zhu S, Zeng B, Gabbouj M. 2014. Adaptive sampling for compressed sensing based image compression. teoksessa 2014 IEEE International Conference on Multimedia and Expo (ICME), 14-18 July 2014, Chengdu. https://doi.org/10.1109/ICME.2014.6890268

Yigitcanlar T, Lönnqvist A, Salonius H. 2014. Analysis of a city-region from the knowledge perspective: Tampere, Finland. VINE. 44(3):445-466. https://doi.org/10.1108/VINE-09-2013-0056

Karamanakos P, Pavlou K, Manias S. 2014. An enumeration-based model predictive control strategy for the cascaded H-bridge multilevel rectifier. IEEE Transactions on Industrial Electronics. 61(7):3480-3489. https://doi.org/10.1109/TIE.2013.2278965

Tripathi S, Dehmer M, Emmert-Streib F. 2014. NetBioV: An R package for visualizing large network data in biology and medicine. Bioinformatics. 30(19):2834-2836. https://doi.org/10.1093/bioinformatics/btu384

Hyrynsalmi S, Suominen A, Mäkilä T, Knuutila T. 2014. The emerging application ecosystems: An introductory analysis of android ecosystem. INTERNATIONAL JOURNAL OF E-BUSINESS RESEARCH. 10(2):61-81. https://doi.org/10.4018/ijebr.2014040104

Oftadeh R, Aref MM, Ghabcheloo R, Mattila J. 2014. System integration for real-time mobile manipulation. international Journal of Advanced Robotic Systems. 11(1). https://doi.org/10.5772/58467

De Wit JJM, Harmanny RIA, Molchanov P. 2014. Radar micro-Doppler feature extraction using the Singular Value Decomposition. teoksessa 2014 International Radar Conference, Radar 2014. The Institute of Electrical and Electronics Engineers, Inc. https://doi.org/10.1109/RADAR.2014.7060268

Dehmer M, Emmert-Streib F, Grabner M. 2014. A computational approach to construct a multivariate complete graph invariant. Information Sciences. 260:200-208. https://doi.org/10.1016/j.ins.2013.11.008

Farooq A, Evreinov G, Raisamo R, Mäkinen E, Nukarinen T, Majeed AA. 2014. Developing novel multimodal interaction techniques for touchscreen in-vehicle infotainment systems. teoksessa ICOSST 2014 - 2014 International Conference on Open Source Systems and Technologies, Proceedings. Institute of Electrical and Electronics Engineers Inc. Sivut 32-42. https://doi.org/10.1109/ICOSST.2014.7029317

Farooq A, Evreinov G, Raisamo R, Majeed AA. 2014. Haptic user interface enhancement system for touchscreen based interaction: A novel system for multimodal interaction with touchscreen interfaces. teoksessa ICOSST 2014 - 2014 International Conference on Open Source Systems and Technologies, Proceedings. Institute of Electrical and Electronics Engineers Inc. Sivut 25-31. https://doi.org/10.1109/ICOSST.2014.7029316

Rahmatallah Y, Emmert-Streib F, Glazko G. 2014. Gene Sets Net Correlations Analysis (GSNCA): A multivariate differential coexpression test for gene sets. Bioinformatics. 30(3):360-368. https://doi.org/10.1093/bioinformatics/btt687

Michalas A, Komninos N. 2014. The lord of the sense: A privacy preserving reputation system for participatory sensing applications. teoksessa 2014 IEEE Symposium on Computers and Communications, ISCC 2014 - Proceedings. Institute of Electrical and Electronics Engineers Inc. https://doi.org/10.1109/ISCC.2014.6912480

Taylor J, Altamirano-Medina H, Shrubsole C, Das P, Biddulph P, Davies M, Mavrogianni A, Oikonomou E. 2014. Tuberculosis transmission: Modelled impact of air-tightness in dwellings in the UK. Julkaisun esittämispaikka: 13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014, Hong Kong, Hongkong.

Das P, Chalabi Z, Davies M, Hamilton I, Jones B, Mavrogianni A, Shrubsole C, Taylor J. 2014. Using probabilistic sampling-based sensitivity analyses for indoor air quality modelling. Julkaisun esittämispaikka: 13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014, Hong Kong, Hongkong.

Sand A, Rakkolainen I. 2014. A hand-held immaterial volumetric display. teoksessa Proceedings of SPIE-IS and T Electronic Imaging - Stereoscopic Displays and Applications XXV. SPIE. https://doi.org/10.1117/12.2035280

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

Thanisch P, Lindell T, Nummenmaa J, Nummenmaa T. 2014. Avoiding anomalies when modeling a many-to-many relationship in a multidimensional database. teoksessa BIR 2009 - 8th International Conference on Perspectives in Business Informatics Research. Kristianstad Academic Press.

Du L, Prasauskas T, Leivo V, Turunen M, Aaltonen A, Kiviste M, Martuzevicius D, Haverinen-Shaughnessy U. 2014. Building energy-efficiency interventions in North-East Europe: Effects on indoor environmental quality and public health. teoksessa Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate. International Society of Indoor Air Quality and Climate . Sivut 637-639.

Reponen T, Saari S, Mensah-Attipoe J, Ukkonen A, Veijalainen A, Pasanen P, Keskinen J. 2014. Characterization of charge in airborne fungal spores. teoksessa Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate. International Society of Indoor Air Quality and Climate . Sivut 359-361.

Cho C, Yi X, Wang Y, Tentzeris MM, Leon RT. 2014. Compressive strain measurement using RFID patch antenna sensors. teoksessa Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2014. SPIE. https://doi.org/10.1117/12.2045122

Yi X, Cho C, Wang Y, Cook B, Tentzeris MM, Leon RT. 2014. Crack propagation measurement using a battery-free slotted patch antenna sensor. teoksessa 7th European Workshop on Structural Health Monitoring, EWSHM 2014 - 2nd European Conference of the Prognostics and Health Management (PHM) Society. INRIA. Sivut 1040-1047.

Emmert-Streib F, de Matos Simoes R, Glazko G, McDade S, Haibe-Kains B, Holzinger A, Dehmer M, Campbell F. 2014. Functional and genetic analysis of the colon cancer network. BMC Bioinformatics. 15(Suppl 6).

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

Kärkkäinen H, Myllärniemi J, Okkonen J, Silventoinen A. 2014. Maturity assessment for implementing and using product lifecycle management in project-oriented engineering companies. International Journal of Electronic Business. 11(2):176-198. https://doi.org/10.1504/IJEB.2014.060218

Ye C, Koponen J, Aallos V, Petit L, Kimmelma O, Kokki T. 2014. Mode coupling in few-mode large-mode-area fibers. teoksessa Fiber Lasers XI: Technology, Systems, and Applications. SPIE. https://doi.org/10.1117/12.2038575

Stumpel JE, Broer DJ, Bastiaansen CWM, Schenning APHJ. 2014. Optical and topographic changes in water-responsive patterned cholesteric liquid crystalline polymer coatings. teoksessa Proceedings of SPIE: Organic Photonics VI. SPIE. (Proceedings of SPIE: the International Society for Optical Engineering). https://doi.org/10.1117/12.2052678

Kantola E, Leinonen T, Ranta S, Tavast M, Guina M. 2014. Pulsed high-power yellow-orange VECSEL. teoksessa Photonics Europe 2014, Semiconductor Lasers and Laser Dynamics VI, April 14-17, 2014, Brussels, Belgium. Proceedings of SPIE. SPIE. (SPIE Conference Proceedings). https://doi.org/10.1117/12.2054716

Oulasvirta A, Suomalainen T, Hamari J, Lampinen A, Karvonen K. 2014. Transparency of intentions decreases privacy concerns in ubiquitous surveillance. CYBERPSYCHOLOGY BEHAVIOR AND SOCIAL NETWORKING. 17(10). https://doi.org/10.1089/cyber.2013.0585

Iosifidis A, Tefas A, Pitas I. 2013. Learning sparse representations for view-independent human action recognition based on fuzzy distances. Neurocomputing. 121:344-353. https://doi.org/10.1016/j.neucom.2013.05.021

Altay G, Kurt Z, Dehmer M, Emmert-Streib F. 2013. Netmes: Assessing gene network inference algorithms by network-based measures. Evolutionary Bioinformatics. 10. https://doi.org/10.4137/EBO.S13481

Paavilainen J, Hamari J, Stenros J, Kinnunen J. 2013. Social Network Games: Players' Perspectives. SIMULATION AND GAMING. 44(6):794-820. https://doi.org/10.1177/1046878113514808

Dander A, Mueller LAJ, Gallasch R, Pabinger S, Emmert-Streib F, Graber A, Dehmer M. 2013. [COMMODE] a large-scale database of molecular descriptors using compounds from PubChem. Source Code for Biology and Medicine. 8. https://doi.org/10.1186/1751-0473-8-22

Björninen T, Moradi E, Koski K, Sydänheimo L, Ukkonen L, Muller R, Ledochowitsch P, Rabaey JM, Rahmat-Samii Y. 2013. Wearable and implantable antennas for wireless body-centric sensing systems. teoksessa BODYNETS 2013 - 8th International Conference on Body Area Networks. ICST. Sivut 288. https://doi.org/10.4108/icst.bodynets.2013.253580

Sterpone F, Nguyen PH, Kalimeri M, Derreumaux P. 2013. Importance of the ion-pair interactions in the OPEP coarse-grained force field: Parametrization and validation. Journal of Chemical Theory and Computation. 9(10):4574-4584. https://doi.org/10.1021/ct4003493

Raisamo J, Raisamo R, Surakka V. 2013. Comparison of Saltation, Amplitude Modulation, and a Hybrid Method of Vibrotactile Stimulation. IEEE Transactions on Haptics. 6(4):517-521. https://doi.org/10.1109/TOH.2013.25

Faisal A, Gillberg J, Leen G, Peltonen J. 2013. Transfer learning using a nonparametric sparse topic model. Neurocomputing. 112:124-137. https://doi.org/10.1016/j.neucom.2012.12.038

Hamari J. 2013. Transforming homo economicus into homo ludens: A field experiment on gamification in a utilitarian peer-to-peer trading service. Electronic Commerce Research and Applications. 12(4):236-245. https://doi.org/10.1016/j.elerap.2013.01.004

Liuhanen S, Sallisalmi M, Pettilä V, Oksala N, Tenhunen J. 2013. Indirect measurement of the vascular endothelial glycocalyx layer thickness in human submucosal capillaries with a plug-in for ImageJ. Computer Methods and Programs in Biomedicine. 110(1):38-47. https://doi.org/10.1016/j.cmpb.2012.10.019

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

Karamanakos P, Stolze P, Kennel R, Manias S, Mouton T. 2013. Variable switching point predictive torque control. teoksessa Proceedings - 2013 IEEE International Conference on Industrial Technology, ICIT 2013. Sivut 422-427. https://doi.org/10.1109/ICIT.2013.6505709

Sudusinghe K, Won S, Van Der Schaar M, Bhattacharyya S. 2013. A novel framework for design and implementation of adaptive stream mining systems. teoksessa 2013 IEEE International Conference on Multimedia and Expo, ICME 2013. https://doi.org/10.1109/ICME.2013.6607565

Carroll R, Balasubramaniam S, Suzuki J, Lee C, Donnelly W, Botvich D. 2013. Bio-inspired service management framework: Green data-centres case study. International Journal of Grid and Utility Computing. 4(4):278-292. https://doi.org/10.1504/IJGUC.2013.057115

Nummenmaa J, Marttila-Kontio M, Nummenmaa T. 2013. Checking visual data flow programs with finite process models. teoksessa 13th Symposium on Programming Languages and Software Tools, SPLST 2013 - Proceedings. University of Szeged. Sivut 245-258.

Aluigi L, Thai TT, Tentzeris MM, Roselli L, Alimenti F. 2013. Chip-to-package wireless power transfer and its application to mm-Wave antennas and monolithic radiometric receivers. teoksessa RSW 2013 - 2013 IEEE Radio and Wireless Symposium - RWW 2013. Sivut 202-204. https://doi.org/10.1109/RWS.2013.6486688

Yi X, Cho C, Cook B, Wang Y, Tentzeris MM, Leon RT. 2013. Design and simulation of a slotted patch antenna sensor for wireless strain sensing. teoksessa Nondestructive Characterization for Composite Materials, Aerospace Engineering, Civil Infrastructure, and Homeland Security 2013. https://doi.org/10.1117/12.2009233

Rosa FD, Paakki T, Nurmi J, Pelosi M. 2013. Exploiting RSS measurements among neighbouring devices: A matter of trust. teoksessa 2013 International Conference on Indoor Positioning and Indoor Navigation, IPIN 2013. IEEE COMPUTER SOCIETY PRESS. https://doi.org/10.1109/IPIN.2013.6817902

Helminen J, Ihantola P, Karavirta V, Alaoutinen S. 2013. How do students solve parsons programming problems? - Execution-based vs. line-based feedback. teoksessa Proceedings - 2013 Learning and Teaching in Computing and Engineering, LaTiCE 2013. Sivut 55-61. https://doi.org/10.1109/LaTiCE.2013.26

Le T, Lin Z, Vyas R, Lakafosis V, Yang L, Traille A, Tentzeris MM, Wong CP. 2013. Inkjet printing of radio frequency electronics: Design methodologies and application of novel nanotechnologies. Journal of Electronic Packaging. 135(1). https://doi.org/10.1115/1.4023671

Belahcen A, Fonteyn K, Kouhia R, Rasilo P, Arkkio A. 2013. Magnetomechanical coupled FE simulations of rotating electrical machines. COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 32(5):1484-1499. https://doi.org/10.1108/COMPEL-04-2013-0109

Iosifidis A, Tefas A, Pitas I. 2013. Multidimensional sequence classification based on fuzzy distances and discriminant analysis. IEEE Transactions on Knowledge and Data Engineering. 25(11):2564-2575. https://doi.org/10.1109/TKDE.2012.223

Yi X, Wang Y, Tentzeris MM, Leon RT. 2013. Multi-physics modeling and simulation of a slotted patch antenna for wireless strain sensing. teoksessa Structural Health Monitoring 2013: A Roadmap to Intelligent Structures - Proceedings of the 9th International Workshop on Structural Health Monitoring, IWSHM 2013. DEStech Publications. Sivut 1857-1864.

Iosifidis A, Tefas A, Pitas I. 2013. On the optimal class representation in linear discriminant analysis. IEEE Transactions on Neural Networks and Learning Systems . 24(9):1491-1497. https://doi.org/10.1109/TNNLS.2013.2258937

Iosifidis A, Tefas A, Pitas I. 2013. Person identification from actions based on dynemes and discriminant learning. teoksessa 2013 International Workshop on Biometrics and Forensics, IWBF 2013. https://doi.org/10.1109/IWBF.2013.6547320

Lin Z, Le T, Song X, Yao Y, Li Z, Moon KS, Tentzeris MM, Wong CP. 2013. Preparation of water-based carbon nanotube inks and application in the inkjet printing of carbon nanotube gas sensors. Journal of Electronic Packaging. 135(1). https://doi.org/10.1115/1.4023758

Karavirta V, Ihantola P, Koskinen T. 2013. Service-oriented approach to improve interoperability of e-learning systems. teoksessa Proceedings - 2013 IEEE 13th International Conference on Advanced Learning Technologies, ICALT 2013. Sivut 341-345. https://doi.org/10.1109/ICALT.2013.105

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

Iosifidis A, Tefas A, Pitas I. 2013. View-independent human action recognition based on multi-view action images and discriminant learning. teoksessa 2013 IEEE 11th IVMSP Workshop: 3D Image/Video Technologies and Applications, IVMSP 2013 - Proceedings. https://doi.org/10.1109/IVMSPW.2013.6611931

Kawahara Y, Wei W, Narusue Y, Shigeta R, Asami T, Tentzeris M. 2013. Virtualizing power cords by wireless power transmission and energy harvesting. teoksessa RSW 2013 - 2013 IEEE Radio and Wireless Symposium - RWW 2013. Sivut 37-39. https://doi.org/10.1109/RWS.2013.6486633

Pons P, Aubert H, Tentzeris M. 2013. Wireless chipless passive electromagnetic transducers for SHM applications. teoksessa Structural Health Monitoring 2013: A Roadmap to Intelligent Structures - Proceedings of the 9th International Workshop on Structural Health Monitoring, IWSHM 2013. DEStech Publications. Sivut 577-584.

Rahmatallah Y, Emmert-Streib F, Glazko G. 2012. Gene set analysis for self-contained tests: Complex null and specific alternative hypotheses. Bioinformatics. 28(23):3073-3080. https://doi.org/10.1093/bioinformatics/bts579

Makni N, Puech P, Colin P, Azzouzi A, Mordon S, Betrouni N. 2012. Elastic image registration for guiding focal laser ablation of prostate cancer: Preliminary results. Computer Methods and Programs in Biomedicine. 108(1):213-223. https://doi.org/10.1016/j.cmpb.2012.04.001

Kouhia R, Tůma 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

Ma L, Atta-Fynn R, Ray AK. 2012. Elemental and mixed actinide dioxides: An ab initio study. Journal of Theoretical and Computational Chemistry. 11(3):611-629. https://doi.org/10.1142/S021963361250040X

Karppi T, Sotamaa O. 2012. Rethinking Playing Research: DJ HERO and Methodological Observations in the Mix. SIMULATION AND GAMING. 43(3):413-429. https://doi.org/10.1177/1046878111434263

Stenros J, Waern A, Montola M. 2012. Studying the Elusive Experience in Pervasive Games. SIMULATION AND GAMING. 43(3):339-355. https://doi.org/10.1177/1046878111422532

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

Atakan B, Akan OB, Balasubramaniam S. 2012. Body area nanonetworks with molecular communications in nanomedicine. IEEE Communications Magazine. 50(1):28-34. https://doi.org/10.1109/MCOM.2012.6122529

Jin M, Zhou X, Zhang ZM, Tentzeris MM. 2012. Short-term power load forecasting using grey correlation contest modeling . Expert Systems with Applications. 39(1):773-779. https://doi.org/10.1016/j.eswa.2011.07.072

Caraffi C, Vojir T, Trefný J, Šochman J, Matas J. 2012. A system for real-time detection and tracking of vehicles from a single car-mounted camera. teoksessa 2012 15th International IEEE Conference on Intelligent Transportation Systems, ITSC 2012. Sivut 975-982. https://doi.org/10.1109/ITSC.2012.6338748

Shen CC, Wu S, Sane N, Wu HH, Plishker W, Bhattacharyya SS. 2012. Design and synthesis for multimedia systems using the targeted dataflow interchange format. IEEE Transactions on Multimedia. 14(3 PART1):630-640. https://doi.org/10.1109/TMM.2012.2191397

Evreinova TV, Evreinov G, Raisamo R. 2012. Evaluation of effectiveness of the stickgrip device for detecting the topographic heights on digital maps. INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND APPLICATIONS. 9(3):61-76.

Gizatdinova Y, Spakov Ǒ, Surakka V. 2012. Face typing: Vision-based perceptual interface for hands-free text entry with a scrollable virtual keyboard. teoksessa 2012 IEEE Workshop on the Applications of Computer Vision, WACV 2012. Sivut 81-87. https://doi.org/10.1109/WACV.2012.6162997

Berlinicke CA, Ackermann CF, Chen SH, Schulze C, Shafranovich Y, Myneni S, Patel VL, Wang J, Zack DJ, Lindvall M, Bova GS. 2012. High-content screening data management for drug discovery in a small- to medium- size laboratory: Results of a collaborative pilot study focused on user expectations as indicators of effectiveness. JALA: JOURNAL OF LABORATORY AUTOMATION. 17(4):255-265. https://doi.org/10.1177/2211068211431207

Suzuki J, Balasubramaniam S, Prina-Mello A. 2012. Multiobjective TDMA optimization for neuron-based molecular communication. teoksessa BODYNETS 2012 - 7th International Conference on Body Area Networks. ICST. https://doi.org/10.4108/icst.bodynets.2012.250037

Lavazza L, Morasca S, Taibi D, Tosi D. 2012. On the definition of dynamic software measures. International Symposium on Empirical Software Engineering and Measurement. 39-48. https://doi.org/10.1145/2372251.2372259

Zhou Z, Shen CC, Plishker W, Wu HH, Bhattacharyya SS. 2012. Systematic integration of flowgraph- and module-level parallelism in implementation of DSP applications on multiprocessor systems-on-chip. teoksessa ICSP 2012 - 2012 11th International Conference on Signal Processing, Proceedings. Sivut 402-408. https://doi.org/10.1109/ICoSP.2012.6491686

Yi X, Vyas R, Cho C, Fang CH, Cooper J, Wang Y, Leon RT, Tentzeris MM. 2012. Thermal effects on a passive wireless antenna sensor for strain and crack sensing. teoksessa Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2012. https://doi.org/10.1117/12.914833

Hulka I, Şerban VA, Uţu D, Koivuluoto H, Vuoristo P, Niemi K. 2012. Wear and corrosion behaviour of HVOF coatings engineered from conventional WC-Co-Cr and conventional WC-Co-Cr added nanostructured Wc-Co powders. teoksessa NANOCON 2012 - Conference Proceedings, 4th International Conference. TANGER Ltd. Sivut 322-327.

Galluccio L, Akan OB, Balasubramaniam S, Sivakumar R. 2012. Wireless communications at the nanoscale. IEEE Wireless Communications. 19(5):10-11. https://doi.org/10.1109/MWC.2012.6339466

Aubert H, Chebila F, Jatlaoui M, Thai T, Hallil H, Traille A, Bouaziz S, Rifai A, Pons P, Menini P, Tentzeris M. 2012. Wireless sensing and identification of passive electromagnetic sensors based on millimetre-wave FMCW RADAR. teoksessa 2012 IEEE International Conference on RFID-Technologies and Applications, RFID-TA 2012. Sivut 398-403. https://doi.org/10.1109/RFID-TA.2012.6404554

Mueller LAJ, Kugler KG, Graber A, Emmert-Streib F, Dehmer M. 2011. Structural Measures for Network Biology Using QuACN. BMC Bioinformatics. 12(1). https://doi.org/10.1186/1471-2105-12-492

Foley C, Balasubramaniam S, Botvich D, Donnelly W, Michaelis S, Schmutzler J, Stair T. 2011. Distributed pervasive services using group service communication supporting body area networks. teoksessa BODYNETS 2008 - 3rd International ICST Conference on Body Area Networks. ICST. https://doi.org/10.4108/ICST.BODYNETS2008.2960

Balasubramaniam S, Leibnitz K, Lio P, Botvich D, Murata M. 2011. Biological principles for future Internet architecture design. IEEE Communications Magazine. 49(7):44-52. https://doi.org/10.1109/MCOM.2011.5936154

Stenros J, Paavilainen J, Mäyrä F. 2011. Social interaction in games. International Journal of Arts and Technology. 4(3):342-358. https://doi.org/10.1504/IJART.2011.041486

Yu G, Zhang B, Bova GS, Xu J, Shih IM, Wang Y. 2011. BACOM: In silico detection of genomic deletion types and correction of normal cell contamination in copy number data. Bioinformatics. 27(11):1473-1480. https://doi.org/10.1093/bioinformatics/btr183

Hsu CJ, Pino JL, Bhattacharyya SS. 2011. Multithreaded simulation for synchronous dataflow graphs. ACM Transactions on Design Automation of Electronic Systems. 16(3). https://doi.org/10.1145/1970353.1970358

Pursiainen S, Sorrentino A, Campi C, Piana M. 2011. Forward simulation and inverse dipole localization with the lowest order Raviart - Thomas elements for electroencephalography. Inverse Problems. 27(4). https://doi.org/10.1088/0266-5611/27/4/045003

Pajarinen J, Peltonen J, Uusitalo MA. 2011. Fault tolerant machine learning for nanoscale cognitive radio. Neurocomputing. 74(5):753-764. https://doi.org/10.1016/j.neucom.2010.10.007

Shen CC, Wu HH, Sane N, Plishker W, Bhattacharyya SS. 2011. A design tool for efficient mapping of multimedia applications onto heterogeneous platforms. teoksessa Electronic Proceedings of the 2011 IEEE International Conference on Multimedia and Expo, ICME 2011. https://doi.org/10.1109/ICME.2011.6011952

Carminati B, Ferrari E, Morasca S, Taibi D. 2011. A probability-based approach to modeling the risk of unauthorized propagation of information in on-line social networks. teoksessa CODASPY'11 - Proceedings of the 1st ACM Conference on Data and Application Security and Privacy. Sivut 51-61. https://doi.org/10.1145/1943513.1943522

Carroll R, Balasubramaniam S, Botvich D, Donnelly W. 2011. Bio-inspired service management framework: Green data-centres case study. teoksessa Proceedings - 25th IEEE International Conference on Advanced Information Networking and Applications Workshops, WAINA 2011. Sivut 226-231. https://doi.org/10.1109/WAINA.2011.119

Nummenmaa J, Nummenmaa T. 2011. Database-driven tool support for DisCo executable specifications. teoksessa SPLST'11 - Proceedings 12th Symposium on Programming Languages and Software Tools. Sivut 44-54.

Kalb H, Pirkkalainen H, Pawlowski J, Schoop E. 2011. Influence factors for sharing open science and open educational resources through social networking services. teoksessa 6th Conference on Professional Knowledge Management: From Knowledge to Action - Proceedings. Gesellschaft fur Informatik (GI). Sivut 23-32.

Sapaev UK, Yusupov DB, Assanto G. 2011. Multicolor nonlinear pulse compression by consecutive optical parametric amplification in quasi-phase matched structures. teoksessa ICONO 2010: International Conference on Coherent and Nonlinear Optics. https://doi.org/10.1117/12.882887

Ivanov S, Botvich D, Balasubramaniam S. 2011. On delay distribution in IEEE 802.11 wireless networks. teoksessa 16th IEEE Symposium on Computers and Communications, ISCC'11. Sivut 254-256. https://doi.org/10.1109/ISCC.2011.5983849