

- Kantola, Emmi et al. "1180nm VECSEL with 50 W output power". *Proceedings of SPIE - The International Society for Optical Engineering*. SPIE. 2015. <https://doi.org/10.1117/12.2079480>
- Viherialä, Jukka et al. "1.3µm U-bend traveling wave SOA devices for high efficiency coupling to silicon photonics". and Reed, Graham T. Knights, Andrew P. (editors). *Silicon Photonics XIV*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE, IEEE. 2019. <https://doi.org/10.1117/12.2505935>
- Mereuta, Alexandru et al. "1.55-µm wavelength wafer-fused OP-VECSELs in flip-chip configuration". Keller, Ursula (ed.). *Vertical External Cavity Surface Emitting Lasers (VECSELs) IX*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE, IEEE. 2019. <https://doi.org/10.1117/12.2508342>
- Khonsari, Zahra et al. "2.4 GHz inkjet-printed RF energy harvester on bulk cardboard substrate". *2015 IEEE Radio and Wireless Symposium (RWS), 25-28 Jan. 2015, San Diego, CA*. IEEE. 2015, 153-155. <https://doi.org/10.1109/RWS.2015.7129721>
- Yadav, Amit et al. "405-nm pumped Ce<sup>3+</sup>-doped silica fiber for broadband fluorescence from cyan to red". and Digonnet, Michel J. F. Jiang, Shibin (editors). *Optical Components and Materials XVI*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE, IEEE. 2019. <https://doi.org/10.1117/12.2509599>
- Lu, Xi et al. "5G-U: Conceptualizing Integrated Utilization of Licensed and Unlicensed Spectrum for Future IoT". *IEEE Communications Magazine*. 2019, 57(7). 92-98. <https://doi.org/10.1109/MCOM.2019.1800663>
- Wang, Yicheng et al. "73-fs SESAM mode-locked Tm,Ho:CNGG laser at 2061 nm". and Clarkson, W. Andrew Shori, Ramesh K. (editors). *Solid State Lasers XXIX: Technology and Devices*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE. 2020. <https://doi.org/10.1117/12.2548180>
- Mäkelä, Ville et al. "Acceptance and perceptions of interactive location-tracking displays". and Gentile, Vito Cauchard, Jessica R. (editors). *Pervasive Displays 2019 - 8th ACM International Symposium on Pervasive Displays, PerDis 2019*. ACM. 2019. <https://doi.org/10.1145/3321335.3324931>
- Dehmer, Matthias, Frank Emmert-Streib and Martin Grabner. "A computational approach to construct a multivariate complete graph invariant". *Information Sciences*. 2014, 260. 200-208. <https://doi.org/10.1016/j.ins.2013.11.008>
- Aldawood, Sarah et al. "A coordination-based brokerage architecture for multi-cloud resource markets". *Proceedings - 2016 4th International Conference on Future Internet of Things and Cloud Workshops, W-FiCloud 2016*. Institute of Electrical and Electronics Engineers Inc. 2016, 7-14. <https://doi.org/10.1109/W-FiCloud.2016.19>
- Georgiev, Georgi Yordanov et al. "Action and power efficiency in self-organization: The case for growth efficiency as a cellular objective in escherichia coli"., Flores Martinez, Claudio L. and Georgiev, Georgi Yordanov Smart, John M. Price, Michael E. (editors). *Evolution, Development and Complexity - Multiscale Evolutionary Models of Complex Adaptive Systems*. Springer Proceedings in Complexity. Springer. 2019, 229-244. [https://doi.org/10.1007/978-3-030-00075-2\\_8](https://doi.org/10.1007/978-3-030-00075-2_8)
- Voronin, V. et al. "Action recognition using the 3D dense microblock difference". *Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies II*. Proceedings of SPIE. SPIE. 2018. <https://doi.org/10.1117/12.2326801>
- Merilampi, Sari, Antti Koivisto, and Johanna Virkki "Activation game for older adults - Development and initial user experiences". *2018 IEEE 6th International Conference on Serious Games and Applications for Health, SeGAH 2018*. IEEE. 2018, 1-5. <https://doi.org/10.1109/SeGAH.2018.8401351>
- Raunio, Jukka-Pekka and Risto Ritala. "Active scanner control on paper machines". *Journal of Process Control*. 2018, 72. 74-90. <https://doi.org/10.1016/j.jprocont.2018.09.012>

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

Zhu, Shuyuan, Bing Zeng, and Moncef Gabbouj "Adaptive sampling for compressed sensing based image compression". *2014 IEEE International Conference on Multimedia and Expo (ICME), 14-18 July 2014, Chengdu*. 2014. <https://doi.org/10.1109/ICME.2014.6890268>

Ponomarenko, Mykola et al. "Additional lossless compression of JPEG images based on BPG". *Image Processing: Algorithms and Systems XVII*. IS and T International Symposium on Electronic Imaging Science and Technology. 2019. <https://doi.org/10.2352/ISSN.2470-1173.2019.11.IPAS-263>

Shen, Chung Ching et al. "A design tool for efficient mapping of multimedia applications onto heterogeneous platforms". *Electronic Proceedings of the 2011 IEEE International Conference on Multimedia and Expo, ICME 2011*. 2011. <https://doi.org/10.1109/ICME.2011.6011952>

Kanellis, Georgios, Antti Oksanen, and Jukka Konttinen. "Adjoint-based optimization in the development of low-emission industrial boilers". *Engineering Optimization*. 2020. <https://doi.org/10.1080/0305215X.2020.1781842>

Pursiainen, S. et al. "Advanced boundary electrode modeling for tES and parallel tES/EEG". *IEEE Transactions on Neural Systems and Rehabilitation Engineering*. 2017, 26(1). 37-44. <https://doi.org/10.1109/TNSRE.2017.2748930>

Lenarduzzi, Valentina et al. "A dynamical quality model to continuously monitor software maintenance". *Proceedings of the 11th European Conference on Information Systems Management, ECISM 2017*. Academic Conferences and Publishing International Limited. 2017, 168-178.

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

Sand, Antti and Ismo Rakkolainen "A hand-held immaterial volumetric display". *Proceedings of SPIE-IS and T Electronic Imaging - Stereoscopic Displays and Applications XXV*. SPIE. 2014. <https://doi.org/10.1117/12.2035280>

Emmert-Streib, Frank. "A heterosynaptic learning rule for neural networks". *International Journal of Modern Physics C*. 2006, 17(10). 1501-1520. <https://doi.org/10.1142/S0129183106009916>

Phung, Hoy My et al. "A membrane external-cavity surface-emitting laser (MECSEL) with emission around 825 nm". Hastie, Jennifer E. (ed.). *Vertical External Cavity Surface Emitting Lasers (VECSELs) X*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE. 2020. <https://doi.org/10.1117/12.2545980>

Rubel, Aleksey S., Vladimir V. Lukin, and Karen Egiazarian "A method for predicting DCT-based denoising efficiency for grayscale images corrupted by AWGN and additive spatially correlated noise". *Proceedings of SPIE - The International Society for Optical Engineering*. SPIE. 2015. <https://doi.org/10.1117/12.2082533>

Vorwerk, J. et al. "A Mixed Finite Element Method to Solve the EEG Forward Problem". *IEEE Transactions on Medical Imaging*. 2017, 36(4). 930-941. <https://doi.org/10.1109/TMI.2016.2624634>

Mohammed, Wael M. et al. "A multi-agent approach for processing industrial enterprise data". *2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings*. IEEE. 2018, 1209-1215. <https://doi.org/10.1109/ICE.2017.8280018>

Urama, Jani et al. "A multi-purpose automated vehicular platform with multi-radio connectivity capabilities". *2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018*. IEEE. 2018, 1-7. <https://doi.org/10.1109/VTCspring.2018.8417708>

Yigitcanlar, Tan, Antti Lönnqvist and Henna Salonius. "Analysis of a city-region from the knowledge perspective: Tampere, Finland". *VINE*. 2014, 44(3). 445-466. <https://doi.org/10.1108/VINE-09-2013-0056>

Martin, Floran et al. "Analytical model for magnetic anisotropy of non-oriented steel sheets". *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*. 2015, 34(5). 1475-1488. <https://doi.org/10.1108/COMPEL-02-2015-0076>

Galinina, Olga et al. "Analyzing Effects of Directional Deafness on mmWave Channel Access in Unlicensed Bands". *2017 IEEE Globecom Workshops, GC Wkshps 2017 - Proceedings*. IEEE. 2018, 1-7. <https://doi.org/10.1109/GLOCOMW.2017.8269183>

Katasonov, Artem et al. "An approach to production scheduling optimization a case of an oil lubrication and hydraulic systems manufacturer". *2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings*. IEEE. 2018, 1123-1130. <https://doi.org/10.1109/ICE.2017.8280007>

Nanni, Loris et al. "An ensemble of visual features for Gaussians of local descriptors and non-binary coding for texture descriptors". *Expert Systems with Applications*. 2017, 82. 27-39. <https://doi.org/10.1016/j.eswa.2017.03.065>

Karamanakos, Petros, Konstantinos Pavlou and Stefanos Manias. "An enumeration-based model predictive control strategy for the cascaded H-bridge multilevel rectifier". *IEEE Transactions on Industrial Electronics*. 2014, 61(7). 3480-3489. <https://doi.org/10.1109/TIE.2013.2278965>

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

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

Sudusinghe, Kishan et al. "A novel framework for design and implementation of adaptive stream mining systems". *2013 IEEE International Conference on Multimedia and Expo, ICME 2013*. 2013. <https://doi.org/10.1109/ICME.2013.6607565>

Pyattaev, Alexander et al. "A novel stochastic channel modeling approach for mmWave systems with beamforming". *2016 IEEE 83rd Vehicular Technology Conference (VTC Spring)*. IEEE. 2016. <https://doi.org/10.1109/VTCspring.2016.7504091>

Yan, Song, Johan Wirta, and Joni-Kristian Kämäräinen. "Anthropometric clothing measurements from 3D body scans". *Machine Vision and Applications*. 2020. 31(1-2). <https://doi.org/10.1007/s00138-019-01054-4>

Luhtala, Matti et al. "Antroposeeni - A mixed reality game". *ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference*. Association for Computing Machinery, Inc. 2015, 211-213. <https://doi.org/10.1145/2818187.2818287>

Battisti, F. et al. "A perceptual quality metric for high-definition stereoscopic 3D video". *Image Processing: Algorithms and Systems XIII*. SPIE Conference Proceedings. SPIE. 2015. <https://doi.org/10.1117/12.2086901>

Mäki, Antti Juhana et al. "A Portable Microscale Cell Culture System with Indirect Temperature Control". *SLAS Technology*. 2018, 23(6). 566-579. <https://doi.org/10.1177/2472630318768710>

- Humaloja, Jukka Pekka, Mikael Kurula, and Lassi Paunonen. "Approximate robust output regulation of boundary control systems". *IEEE Transactions on Automatic Control*. 2019, 64(6). 2210-2223. <https://doi.org/10.1109/TAC.2018.2884676>
- Chen, Ke and Zhaoxiang Zhang. "A Primal Neural Network for Online Equality-Constrained Quadratic Programming". *Cognitive Computation*. 2018, 10(2). 381-388. <https://doi.org/10.1007/s12559-017-9510-4>
- Carminati, Barbara et al. "A probability-based approach to modeling the risk of unauthorized propagation of information in on-line social networks". *CODASPY'11 - Proceedings of the 1st ACM Conference on Data and Application Security and Privacy*. 2011, 51-61. <https://doi.org/10.1145/1943513.1943522>
- Rauti, Sampsa et al. "A Proxy-Based Solution for Asynchronous Telemedical Systems". *International Journal of E-health and Medical Communication*. 2017, 8(3). 70-83. <https://doi.org/10.4018/IJEHMC.2017070105>
- Taibi, Davide, Valentina Lenarduzzi and Claus Pahl "Architectural patterns for microservices: A systematic mapping study". *CLOSER 2018 - Proceedings of the 8th International Conference on Cloud Computing and Services Science*. SCITEPRESS. 2018, 221-232. <https://doi.org/10.5220/0006798302210232>
- Kovács, Péter Tamás et al. "Architectures and codecs for real-time light field streaming". *Journal of Imaging Science and Technology*. 2017. 61(1). <https://doi.org/10.2352/J.ImagingSci.Technol.2017.61.1.010403>
- Rodrigues, Paulo C., Andreia Monteiro and Vanda M. Lourenço. "A robust AMMI model for the analysis of genotype-by-environment data". *Bioinformatics*. 2015, 32(1). 58-66. <https://doi.org/10.1093/bioinformatics/btv533>
- Heinisuo, Olli-Pekka, Valentina Lenarduzzi, and Davide Taibi "Asterism: Decentralized file sharing application for mobile devices". *2019 7th IEEE International Conference on Mobile Cloud Computing, Services, and Engineering, MobileCloud 2019*. IEEE. 2019, 38-47. <https://doi.org/10.1109/MobileCloud.2019.00013>
- Mattila, Jouni et al. "A survey on control of hydraulic robotic manipulators with projection to future trends". *IEEE - ASME Transactions on Mechatronics*. 2017, 22(2). 669-680. <https://doi.org/10.1109/TMECH.2017.2668604>
- Korpi, Dani, Lauri Anttila, and Mikko Valkama "Asymmetric full-duplex with contiguous downlink carrier aggregation". *2016 IEEE 17th International Workshop on Signal Processing Advances in Wireless Communications (SPAWC)*. IEEE. 2016. <https://doi.org/10.1109/SPAWC.2016.7536807>
- Caraffi, Claudio et al. "A system for real-time detection and tracking of vehicles from a single car-mounted camera". *2012 15th International IEEE Conference on Intelligent Transportation Systems, ITSC 2012*. 2012, 975-982. <https://doi.org/10.1109/ITSC.2012.6338748>
- Andreev, Sergey et al. "A unifying perspective on proximity-based cellular-assisted mobile social networking". *IEEE Communications Magazine*. 2016, 54(4). 108-116. <https://doi.org/10.1109/MCOM.2016.7452274>
- Räsänen, Okko et al. "Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech". *Speech Communication*. 2019, 113. 63-80. <https://doi.org/10.1016/j.specom.2019.08.005>
- Us, D. et al. "AvanTomography: A compact module for positron emission mammography". *2015 IEEE International Symposium on Medical Measurements and Applications, MeMeA 2015 - Proceedings*. IEEE. 2015, 52-57. <https://doi.org/10.1109/MeMeA.2015.7145171>
- Thanisch, Peter et al. "Avoiding anomalies when modeling a many-to-many relationship in a multidimensional database". *BIR 2009 - 8th International Conference on Perspectives in Business Informatics Research*. Kristianstad Academic Press. 2014.

Heikkilä, Jussi, Miia Martinsuo, and Sanna Nenonen. "Backshoring of production in the context of a small and open Nordic economy". *Journal of Manufacturing Technology Management*. 2018, 29(4). 658-675. <https://doi.org/10.1108/JMTM-12-2016-0178>

Yu, Guoqiang et al. "BACOM: In silico detection of genomic deletion types and correction of normal cell contamination in copy number data". *Bioinformatics*. 2011, 27(11). 1473-1480. <https://doi.org/10.1093/bioinformatics/btr183>

Potapov, Ilya et al. "Bayes Forest: A data-intensive generator of morphological tree clones". *GigaScience*. 2017. 6(10). <https://doi.org/10.1093/gigascience/gix079>

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

Zakeri, Faezeh Sadat et al. "Benchmarking of several disparity estimation algorithms for light field processing". Bazeille, Stephane Verrier, Nicolas Cudel, Christophe (editors). *Fourteenth International Conference on Quality Control by Artificial Vision*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE, IEEE. 2019. <https://doi.org/10.1117/12.2521747>

Lohan, Elena Simona et al. "Benefits of Positioning-Aided Communication Technology in High-Frequency Industrial IoT". *IEEE Communications Magazine*. 2018, 56(12). 142-148. <https://doi.org/10.1109/MCOM.2018.1701057>

Carroll, Raymond et al. "Bio-inspired service management framework: Green data-centres case study". *International Journal of Grid and Utility Computing*. 2013, 4(4). 278-292. <https://doi.org/10.1504/IJGUC.2013.057115>

Carroll, Raymond et al. "Bio-inspired service management framework: Green data-centres case study". *Proceedings - 25th IEEE International Conference on Advanced Information Networking and Applications Workshops, WAINA 2011*. 2011, 226-231. <https://doi.org/10.1109/WAINA.2011.119>

Balasubramaniam, Sasitharan et al. "Biological principles for future Internet architecture design". *IEEE Communications Magazine*. 2011, 49(7). 44-52. <https://doi.org/10.1109/MCOM.2011.5936154>

Marcían, Petr et al. "Biomechanical performance of cranial implants with different thicknesses and material properties: A finite element study". *Computers in Biology and Medicine*. 2019, 109. 43-52. <https://doi.org/10.1016/j.compbiomed.2019.04.016>

Naumenko, V. et al. "Bispectrum-based demodulation technique using triple-channel heterodyning of triplet-signal". *2015 Second International Scientific-Practical Conference Problems of Infocommunications Science and Technology (PIC S&T)*. IEEE. 2015, 224-226. <https://doi.org/10.1109/INFOCOMMST.2015.7357319>

Abramova, V. V. et al. "Blind estimation of speckle variance in synthetic aperture radar images". *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. 2015. <https://doi.org/10.1109/ICATT.2015.7136846>

Ponomarenko, Mykola et al. "Blind estimation of white Gaussian noise variance in highly textured images". *Electronic Imaging: Image Processing: Algorithms and Systems XVI*. Society for Imaging Science and Technology. 2018. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-382>

Egiazarian, Karen et al. "BM3D-HVS: Content-Adaptive denoising for improved visual quality". *Image Processing: Algorithms and Systems XV*. Electronic Imaging. 2017, 48-55. <https://doi.org/10.2352/ISSN.2470-1173.2017.13.DPMI-083>

Atakan, Baris, Ozgur B. Akan and Sasitharan Balasubramaniam. "Body area nanonetworks with molecular communications in nanomedicine". *IEEE Communications Magazine*. 2012, 50(1). 28-34. <https://doi.org/10.1109/MCOM.2012.6122529>

Sharma, Sumita et al. "Body-touching: An embodied interaction technique for health information systems in developing regions". *MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services"*. Association for Computing Machinery, Inc. 2014, 49-56. <https://doi.org/10.1145/2676467.2676514>

Petrov, Vitaly et al. "Breaking the limits in urban video monitoring: Massive crowd sourced surveillance over vehicles". *IEEE Wireless Communications*. 2018, 25(5). 104-112. <https://doi.org/10.1109/MWC.2018.1700415>

Pakkanen, Jarkko, Tero Juuti, and Timo Lehtonen. "Brownfield Process: A method for modular product family development aiming for product configuration". *DESIGN STUDIES*. 2016, 45B. 210-241. <https://doi.org/10.1016/j.destud.2016.04.004>

Du, Liuliu et al. "Building energy-efficiency interventions in North-East Europe: Effects on indoor environmental quality and public health". *Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate*. International Society of Indoor Air Quality and Climate . 2014, 637-639.

Hyrnsalmi, Sami et al. "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*. 2015, 10(2). 1-18. <https://doi.org/10.4067/S0718-18762015000200002>

Orsino, Antonino et al. "Caching-Aided Collaborative D2D Operation for Predictive Data Dissemination in Industrial IoT". *IEEE Wireless Communications*. 2018, 25(3). 50-57. <https://doi.org/10.1109/MWC.2018.1700320>

Rakkolainen, Ismo et al. "Casual immersive viewing with smartphones". *AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference*. ACM. 2016, 449-452. <https://doi.org/10.1145/2994310.2994314>

Viehrig, Marlitt, Sampo Tuukkanen, and Pasi Kallio "Challenges and capabilities of conductive polymeric materials for electromechanical stimulation of stem cells: A case study". *2016 International Conference on Manipulation, Automation and Robotics at Small Scales, MARSS 2016*. Institute of Electrical and Electronics Engineers Inc. 2016. <https://doi.org/10.1109/MARSS.2016.7561744>

Sievi-Korte, Outi, Sarah Beecham and Ita Richardson. "Challenges and recommended practices for software architecting in global software development". *Information and Software Technology*. 2019, 106. 234-253. <https://doi.org/10.1016/j.infsof.2018.10.008>

Reponen, Tiina et al. "Characterization of charge in airborne fungal spores". *Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate*. International Society of Indoor Air Quality and Climate . 2014, 359-361.

Soltani, A. et al. "Characterization of the anisotropic deformation of the right ventricle during open heart surgery". *COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING*. 2019. <https://doi.org/10.1080/10255842.2019.1703133>

Häkkinen, Antti and Andre S. Ribeiro. "Characterizing rate limiting steps in transcription from RNA production times in live cells". *Bioinformatics*. 2016, 32(9). 1346-1352. <https://doi.org/10.1093/bioinformatics/btv744>

Samuylov, Andrey et al. "Characterizing Resource Allocation Trade-Offs in 5G NR Serving Multicast and Unicast Traffic". *IEEE Transactions on Wireless Communications*. 2020, 19(5). 3421-3434. <https://doi.org/10.1109/TWC.2020.2973375>

Nummenmaa, Jyrki, Maija Marttila-Kontio and Timo Nummenmaa "Checking visual data flow programs with finite process models". *13th Symposium on Programming Languages and Software Tools, SPLST 2013 - Proceedings*. University of Szeged. 2013, 245-258.

- Aluigi, Luca et al. "Chip-to-package wireless power transfer and its application to mm-Wave antennas and monolithic radiometric receivers". *RSW 2013 - 2013 IEEE Radio and Wireless Symposium - RWW 2013*. 2013, 202-204. <https://doi.org/10.1109/RWS.2013.6486688>
- Nogueira, Idelfonso B.R. et al. "Chromatographic studies of n-Propyl Propionate: Adsorption equilibrium, modelling and uncertainties determination". *Computers and Chemical Engineering*. 2018, 119. 371-382. <https://doi.org/10.1016/j.compchemeng.2018.09.020>
- Emmert-Streib, Frank, Matthias Dehmer and Jürgen Kilian "Classification of large graphs by a local tree decomposition". *Proceedings of the 2005 International Conference on Data Mining, DMIN'05*. 2005, 200-207.
- Iosifidis, Alexandros, Anastasios Tefas and Ioannis Pitas. "Class-Specific Reference Discriminant Analysis With Application in Human Behavior Analysis". *IEEE Transactions on Human-Machine Systems*. 2014, 45(3). 315-326. <https://doi.org/10.1109/THMS.2014.2379274>
- Waris, Muhammad Adeel, Alexandros Iosifidis, and Moncef Gabbouj. "CNN-based edge filtering for object proposals". *Neurocomputing*. 2017, 266. 631-640. <https://doi.org/10.1016/j.neucom.2017.05.071>
- Niemelä, Pia et al. "Code ABC hackathons: Teachers as tinkerers". *Digital Turn in Schools - Research, Policy, Practice: Proceedings of ICEM 2018 Conference*. Lecture Notes in Educational Technology. Springer International Publishing. 2019, 157-169. [https://doi.org/10.1007/978-981-13-7361-9\\_11](https://doi.org/10.1007/978-981-13-7361-9_11)
- Silverajan, Bilhanan et al. "Collaborative cloud-based management of home networks". *Proceedings of the 2015 IFIP/IEEE International Symposium on Integrated Network Management, IM 2015*. IEEE. 2015, 786-789. <https://doi.org/10.1109/INM.2015.7140376>
- Laakom, Firas et al. "Color Constancy Convolutional Autoencoder". *2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019*. IEEE. 2019, 1085-1090. <https://doi.org/10.1109/SSCI44817.2019.9002684>
- Murayama, Mizuki et al. "Color-distribution similarity by information theoretic divergence for color images". *2016 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference, APSIPA 2016*. IEEE. 2017. <https://doi.org/10.1109/APSIPA.2016.7820681>
- Voronin, V. et al. "Combined local and global image enhancement algorithm". *Electronic Imaging: Image Processing: Algorithms and Systems XVI*. Society for Imaging Science and Technology. 2018. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-220>
- Ieremeiev, Oleg et al. "Combined no-reference IQA metric and its performance analysis". *Image Processing: Algorithms and Systems XVII*. IS and T International Symposium on Electronic Imaging Science and Technology. 2019. <https://doi.org/10.2352/ISSN.2470-1173.2019.11.IPAS-260>
- Lukin, Vladimir V. et al. "Combining full-reference image visual quality metrics by neural network". *Proceedings of SPIE - The International Society for Optical Engineering*. SPIE. 2015. <https://doi.org/10.1117/12.2085465>
- Dander, Andreas et al. "[COMMODE] a large-scale database of molecular descriptors using compounds from PubChem". *Source Code for Biology and Medicine*. 2013. 8. <https://doi.org/10.1186/1751-0473-8-22>
- Pyattaev, Alexander et al. "Communication challenges in high-density deployments of wearable wireless devices". *IEEE Wireless Communications*. 2015, 22(1). 12-18. <https://doi.org/10.1109/MWC.2015.7054714>
- Kartasalo, Kimmo et al. "Comparative analysis of tissue reconstruction algorithms for 3D histology". *Bioinformatics*. 2018, 34(17). 3013-3021. <https://doi.org/10.1093/bioinformatics/bty210>

Rahmatallah, Yasir, Frank Emmert-Streib and Galina Glazko. "Comparative evaluation of gene set analysis approaches for RNA-Seq data". *BMC Bioinformatics*. 2014. 15(1). <https://doi.org/10.1186/s12859-014-0397-8>

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

Leinonen, Juho et al. "Comparison of time metrics in programming". *ICER 2017 - Proceedings of the 2017 ACM Conference on International Computing Education Research*. ACM. 2017, 200-208. <https://doi.org/10.1145/3105726.3106181>

Kulya, Maksim S. et al. "Complex-domain sparse imaging in terahertz pulse time-domain holography with balance detection". and Sadwick, Laurence P. Yang, Tianxin (editors). *Terahertz, RF, Millimeter, and Submillimeter-Wave Technology and Applications XIII*. Proceedings of SPIE. SPIE. 2020. <https://doi.org/10.1117/12.2549001>

Niutanen, Valtteri et al. "Complex elevator system DSM-case for a DSM design sprint". *Understand, Innovate, and Manage your Complex System! - Proceedings of the 19th International DSM Conference*. The Design Society. 2017, 259-264.

Miroshnichenko, Oleksandr et al. "Compression of signs of DCT coefficients for additional lossless compression of JPEG images". *Electronic Imaging: Image Processing: Algorithms and Systems XVI*. Society for Imaging Science and Technology. 2018. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-385>

Cho, Chunhee et al. "Compressive strain measurement using RFID patch antenna sensors". *Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2014*. SPIE. 2014. <https://doi.org/10.1117/12.2045122>

Katkovnik, Vladimir et al. "Computational wavelength resolution for in-line lensless holography: Phase-coded diffraction patterns and wavefront group-sparsity". *Digital Optical Technologies 2017*. Proceedings of SPIE. SPIE. 2017. <https://doi.org/10.1117/12.2269327>

Tiihonen, Juha, Ilkka Kylänpää, and Tapio T. Rantala. "Computation of Dynamic Polarizabilities and van der Waals Coefficients from Path-Integral Monte Carlo". *Journal of Chemical Theory and Computation*. 2018, 14. 5750-5763. <https://doi.org/10.1021/acs.jctc.8b00859>

Suntio, T., P. Waltari and I. Gadoura "Condition monitoring of storage batteries in telecom power systems-crisp vs. soft computing methodology". Martikainen, Jarno (ed.). *SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications*. SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications. IEEE. 1999, 97-102. <https://doi.org/10.1109/SMCIA.1999.782715>

Mohammed, Wael M. et al. "Configuring and visualizing the data resources in a cloud-based data collection framework". *2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings*. IEEE. 2018, 1201-1208. <https://doi.org/10.1109/ICE.2017.8280017>

Narra, Nathaniel et al. "Conformal mapping of the human scapula to generate dense landmark features". *2018 3rd Biennial South African Biomedical Engineering Conference, SAIBMEC 2018*. 2018 3rd Biennial South African Biomedical Engineering Conference, SAIBMEC 2018. Institute of Electrical and Electronics Engineers Inc. 2018, 1-4. <https://doi.org/10.1109/SAIBMEC.2018.8363175>

Vainio, Markku "Continuous-wave optical parametric oscillators for mid-infrared spectroscopy". and Schunemann, Peter G. Schepler, Kenneth L. (editors). *Nonlinear Frequency Generation and Conversion: Materials and Devices XIX*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE. 2020. <https://doi.org/10.1117/12.2548711>



Sahin, Erdem et al. "Conversion of sparsely-captured light field into alias-free fullparallax multiview content". *Electronic Imaging: Stereoscopic Displays and Applications XXIX*. Society for Imaging Science and Technology. 2018, 1441-1445. <https://doi.org/10.2352/ISSN.2470-1173.2018.04.SDA-144>

Mäkitalo, Niko, Timo Aaltonen and Tommi Mikkonen "Coordinating proactive social devices in a mobile cloud: Lessons learned and a way forward". *MOBILESoft '16 Proceedings of the International Conference on Mobile Software Engineering and Systems*. ACM. 2016, 179-188. <https://doi.org/10.1145/2897073.2897079>

Malik, Aqdas et al. "Correlates of social media fatigue and academic performance decrement: A large cross-sectional study". *INFORMATION TECHNOLOGY AND PEOPLE*. 2020. <https://doi.org/10.1108/ITP-06-2019-0289>

Yi, Xiaohua et al. "Crack propagation measurement using a battery-free slotted patch antenna sensor". *7th European Workshop on Structural Health Monitoring, EWSHM 2014 - 2nd European Conference of the Prognostics and Health Management (PHM) Society*. INRIA. 2014, 1040-1047.

Mäkinen, J. "Critical study of Newmark-scheme on manifold of finite rotations". *Computer Methods in Applied Mechanics and Engineering*. 2001, 191(8-10). 817-828. [https://doi.org/10.1016/S0045-7825\(01\)00291-2](https://doi.org/10.1016/S0045-7825(01)00291-2)

Woldemariam, Endashaw Tesfaye et al. "Customized dimensional analysis conceptual modelling framework for design optimization—a case study on the cross-flow micro turbine model". *Engineering Optimization*. 2019, 51(7). 1168-1184. <https://doi.org/10.1080/0305215X.2018.1519556>

Silverajan, Bilhanan, Mert Ocaak and Benjamin Nagel "Cybersecurity Attacks and Defences for Unmanned Smart Ships". *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. 2018, 15-20. [https://doi.org/10.1109/Cybermatics\\_2018.2018.00037](https://doi.org/10.1109/Cybermatics_2018.2018.00037)

Nejadsattari, F. et al. "Cyclic quantum walks: Photonic realization and decoherence analysis"., Hemmer, Philip R. Migdall, Alan L. Hasan, Zameer UI (editors). *Advanced Optical Techniques for Quantum Information, Sensing, and Metrology*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE. 2020. <https://doi.org/10.1117/12.2546566>

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

Nummenmaa, Jyrki and Timo Nummenmaa "Database-driven tool support for DisCo executable specifications". *SPLST'11 - Proceedings 12th Symposium on Programming Languages and Software Tools*. 2011, 44-54.

Battisti, F. et al. "Deep p-Fibonacci scattering networks". *Electronic Imaging: Image Processing: Algorithms and Systems XVI*. Society for Imaging Science and Technology. 2018. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-193>

Pirkkalainen, Henri et al. "Deliberate or Instinctive? Proactive and Reactive Coping for Technostress". *Journal of Management Information Systems*. 2019, 36(4). 1179-1212. <https://doi.org/10.1080/07421222.2019.1661092>

Andreev, Sergey et al. "Dense Moving Fog for Intelligent IoT: Key Challenges and Opportunities". *IEEE Communications Magazine*. 2019, 57(5). 34-41. <https://doi.org/10.1109/MCOM.2019.1800226>

Wang, Jianguang et al. "Density functional theory study of transition metals doped B<sub>80</sub> fullerene". *Journal of Theoretical and Computational Chemistry*. 2014. 13(6). <https://doi.org/10.1142/S0219633614500503>

Voronin, V. V. et al. "Depth map occlusion filling and scene reconstruction using modified exemplar-based inpainting". *Image Processing: Algorithms and Systems XIII*. SPIE Conference Proceedings. SPIE. 2015. <https://doi.org/10.1117/12.2076506>

Ruokonen, Anna, Zhenli Wu and Rui Lu "Describing mobile devices as RESTful services for the end-users". *2016 IEEE International Conference on Mobile Services (MS)*. IEEE. 2016, 127-134. <https://doi.org/10.1109/MobServ.2016.27>

Yi, Xiaohua et al. "Design and simulation of a slotted patch antenna sensor for wireless strain sensing". *Nondestructive Characterization for Composite Materials, Aerospace Engineering, Civil Infrastructure, and Homeland Security 2013*. 2013. <https://doi.org/10.1117/12.2009233>

Shen, Chung Ching et al. "Design and synthesis for multimedia systems using the targeted dataflow interchange format". *IEEE Transactions on Multimedia*. 2012, 14(3 PART1). 630-640. <https://doi.org/10.1109/TMM.2012.2191397>

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

Solomitchii, Dmitrii et al. "Detailed Interference Analysis in Dense mmWave Systems Employing Dual-Polarized Antennas". *2017 IEEE Globecom Workshops*. IEEE. 2018, 1-6. <https://doi.org/10.1109/GLOCOMW.2017.8269040>

Tarniceriu, Adrian et al. "Detection of beat-to-beat intervals from wrist photoplethysmography in patients with sinus rhythm and atrial fibrillation after surgery". *2018 IEEE EMBS International Conference on Biomedical and Health Informatics, BHI 2018*. IEEE. 2018, 133-136. <https://doi.org/10.1109/BHI.2018.8333387>

Strokina, Nataliya et al. "Detection of bubbles as concentric circular arrangements". *Machine Vision and Applications*. 2016, 27(3). 387-396. <https://doi.org/10.1007/s00138-016-0749-7>

Farooq, Ahmed et al. "Developing novel multimodal interaction techniques for touchscreen in-vehicle infotainment systems". *ICOSST 2014 - 2014 International Conference on Open Source Systems and Technologies, Proceedings*. Institute of Electrical and Electronics Engineers Inc. 2014, 32-42. <https://doi.org/10.1109/ICOSST.2014.7029317>

Symonds, Phil et al. "Development of an England-wide indoor overheating and air pollution model using artificial neural networks". *JOURNAL OF BUILDING PERFORMANCE SIMULATION*. 2016, 9(6). 606-619. <https://doi.org/10.1080/19401493.2016.1166265>

Jylhä, Henrietta and Juho Hamari. "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*. 2020. <https://doi.org/10.1007/s11257-020-09263-7>

Lwakatare, Lucy Ellen et al. "DevOps in practice: A multiple case study of five companies". *Information and Software Technology*. 2019, 114. 217-230. <https://doi.org/10.1016/j.infsof.2019.06.010>

Melekhov, Iaroslav et al. "DGC-Net: Dense geometric correspondence network". *2019 IEEE Winter Conference on Applications of Computer Vision, WACV 2019*. IEEE Winter Conference on Applications of Computer Vision. IEEE. 2019, 1034-1042. <https://doi.org/10.1109/WACV.2019.00115>

Tavakoli, Hamed R. et al. "Digging deeper into egocentric gaze prediction". *2019 IEEE Winter Conference on Applications of Computer Vision, WACV 2019*. IEEE Winter Conference on Applications of Computer Vision. IEEE. 2019, 273-282. <https://doi.org/10.1109/WACV.2019.00035>

Abdelaziz, Mahmoud et al. "Digital predistortion for mitigating spurious emissions in spectrally agile radios". *IEEE Communications Magazine*. 2016, 54(3). 60-69. <https://doi.org/10.1109/MCOM.2016.7432149>

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

Coatanea, Eric and Ric Roca "Dimensional analysis conceptual modeling supporting adaptable reasoning in simulation-based training". *2018 13th System of Systems Engineering Conference, SoSE 2018*. IEEE. 2018, 245-252. <https://doi.org/10.1109/SYSOSE.2018.8428785>

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

Iosifidis, Alexandros, Anastasios Tefas and Ioannis Pitas. "Distance-based human action recognition using optimized class representations". *Neurocomputing*. 2015, 161. 47-55. <https://doi.org/10.1016/j.neucom.2014.10.088>

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

Foley, Christopher et al. "Distributed pervasive services using group service communication supporting body area networks". *BODYNETS 2008 - 3rd International ICST Conference on Body Area Networks*. ICST. 2011. <https://doi.org/10.4108/ICST.BODYNETS2008.2960>

Tavella, Federico et al. "DNA Molecular Storage System: Transferring Digitally Encoded Information through Bacterial Nanonetworks". *IEEE Transactions on Emerging Topics in Computing*. 2019. <https://doi.org/10.1109/TETC.2019.2932685>

Danne, Reinis et al. "DoGlycans-Tools for Preparing Carbohydrate Structures for Atomistic Simulations of Glycoproteins, Glycolipids, and Carbohydrate Polymers for GROMACS". *Journal of Chemical Information and Modeling*. 2017, 57(10). 2401-2406. <https://doi.org/10.1021/acs.jcim.7b00237>

Isotalo, Tero J. and Tapio Niemi "Dots-on-the-fly electron beam lithography". Bencher, Christopher (ed.). *SPIE Proceedings: Alternative Lithographic Technologies VIII*. Proceedings of SPIE. SPIE. 2016. <https://doi.org/10.1117/12.2219136>

Iosifidis, Alexandros, Anastasios Tefas and Ioannis Pitas. "DropELM: Fast neural network regularization with Dropout and DropConnect". *Neurocomputing*. 2015, 162. 57-66. <https://doi.org/10.1016/j.neucom.2015.04.006>

Valkonen, Mira et al. "Dual Structured Convolutional Neural Network with Feature Augmentation for Quantitative Characterization of Tissue Histology". *2017 IEEE International Conference on Computer Vision Workshops, ICCVW 2017*. IEEE. 2018, 27-35. <https://doi.org/10.1109/ICCVW.2017.10>

Stoykova, Elena et al. "Dynamic laser speckle metrology with binarization of speckle patterns". *19th International Conference and School on Quantum Electronics: Laser Physics and Applications*. Proceedings of SPIE. SPIE. 2017. <https://doi.org/10.1117/12.2262330>

Nogueira, Idelfonso B.R. et al. "Dynamic response to process disturbances—A comparison between TMB/SMB models in transient regime". *Computers and Chemical Engineering*. 2017, 99. 230-244. <https://doi.org/10.1016/j.compchemeng.2017.01.026>

Urama, Jani et al. "Dynamic social trust associations over d2d communications: An implementation perspective". *2016 IEEE International Conference on Mobile Services (MS)*. IEEE. 2016, 186-189. <https://doi.org/10.1109/MobServ.2016.41>

Luhtala, Matti et al. "DYNAMO sound engine - Exploring the aesthetics of dynamic sound interactions". *MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services"*. Association for Computing Machinery, Inc. 2014, 159-166. <https://doi.org/10.1145/2676467.2676522>

- Stolze, Peter et al. "Effective variable switching point predictive current control for ac low-voltage drives". *International Journal of Control*. 2015, 88(7). 1366-1378. <https://doi.org/10.1080/00207179.2014.942699>
- He, Yejun et al. "Effect of feeder cable's phase tolerance on the first sidelobe level of base station antenna". *IWCMC 2014 - 10th International Wireless Communications and Mobile Computing Conference*. Institute of Electrical and Electronics Engineers Inc. 2014, 1022-1026. <https://doi.org/10.1109/IWCMC.2014.6906495>
- Järvinen, Henri et al. "Effect of paint baking treatment on the properties of press hardened boron steels". *Journal of Materials Processing Technology*. 2018, 252. 90-104. <https://doi.org/10.1016/j.jmatprotec.2017.08.027>
- Siljander, Sanna et al. "Effect of surfactant type and sonication energy on the electrical conductivity properties of nanocellulose-CNT nanocomposite films". *International Journal of Molecular Sciences*. 2018. 19(6). <https://doi.org/10.3390/ijms19061819>
- Gapeyenko, Margarita et al. "Effects of blockage in deploying mmWave drone base stations for 5g networks and beyond". *2018 IEEE International Conference on Communications Workshops*. IEEE. 2018, 1-6. <https://doi.org/10.1109/ICCW.2018.8403671>
- Orsino, Antonino et al. "Effects of Heterogeneous Mobility on D2D-and Drone-Assisted Mission-Critical MTC in 5G". *IEEE Communications Magazine*. 2017, 55(2). 79-87. <https://doi.org/10.1109/MCOM.2017.1600443CM>
- Peltokangas, Mikko et al. "Effects of percutaneous transluminal angioplasty of superficial femoral artery on photoplethysmographic pulse transit times". *IEEE Journal of Biomedical and Health Informatics*. 2019, 23(3). 1058-1065. <https://doi.org/10.1109/JBHI.2018.2851388>
- Youvalari, Ramin Ghaznavi et al. "Efficient coding of 360-degree pseudo-cylindrical panoramic video for virtual reality applications". *2016 IEEE International Symposium on Multimedia (ISM)*. IEEE. 2017, 525-528. <https://doi.org/10.1109/ISM.2016.74>
- Makni, Nasr et al. "Elastic image registration for guiding focal laser ablation of prostate cancer: Preliminary results". *Computer Methods and Programs in Biomedicine*. 2012, 108(1). 213-223. <https://doi.org/10.1016/j.cmpb.2012.04.001>
- Ma, Li, Raymond Atta-Fynn and Asok K. Ray. "Elemental and mixed actinide dioxides: An ab initio study". *Journal of Theoretical and Computational Chemistry*. 2012, 11(3). 611-629. <https://doi.org/10.1142/S021963361250040X>
- Niemelä, Pia and Antti Valmari "Elementary math to close the digital skills gap". *CSEDU 2018 - Proceedings of the 10th International Conference on Computer Supported Education*. SCITEPRESS. 2018, 154-165. <https://doi.org/10.5220/0006800201540165>
- Franssila, Heljä, Jussi Okkonen and Reijo Savolainen "Email intensity, productivity and control in the knowledge worker's performance on the desktop". *MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services"*. Association for Computing Machinery, Inc. 2014, 19-22. <https://doi.org/10.1145/2676467.2676513>
- Slezak, Christopher et al. "Empirical Effects of Dynamic Human-Body Blockage in 60 GHz Communications". *IEEE Communications Magazine*. 2018, 56(12). 60-66. <https://doi.org/10.1109/MCOM.2018.1800232>
- Nix, Emily et al. "Employing a multi-Objective robust optimisation method for healthy and low-energy dwelling design in Delhi, India". *Proceedings of the 2014 Building Simulation and Optimization Conference*. 2015, 2093-2100.
- Wu, Di, Eric Coatanea and G. Gary Wang. "Employing Knowledge on Causal Relationship to Assist Multidisciplinary Design Optimization". *Journal of Mechanical Design, Transactions of the ASME*. 2019. 141(4). <https://doi.org/10.1115/1.4042342>

- Wang, Wenbo et al. "Empowering Heterogeneous Communication Data Links in General Aviation through mmWave Signals". *IEEE Wireless Communications*. 2019, 26(6). 164-171. <https://doi.org/10.1109/MWC.0001.1800593>
- Kuusisto, Antti and Fabian Reiter. "Emptiness problems for distributed automata". *Information and Computation*. 2019. <https://doi.org/10.1016/j.ic.2019.104503>
- Dai, Cui-Qin, Fu-Jia Li, and Markku Renfors. "Energy cooperation for throughput optimization based on save-then-transmit protocol in wireless communication system". *Eurasip Journal on Wireless Communications and Networking*. 2015. 2015(1). <https://doi.org/10.1186/s13638-015-0364-8>
- Cui, Qimei et al. "Energy Efficiency Maximization of Full-Duplex Two-Way Relay with Non-Ideal Power Amplifiers and Non-Negligible Circuit Power". *IEEE Transactions on Wireless Communications*. 2017, 16(9). 6264-6278. <https://doi.org/10.1109/TWC.2017.2721372>
- Mikhaylov, Konstantin et al. "Energy Efficiency of Multi-Radio Massive Machine-Type Communication (MR-MMTC): Applications, Challenges, and Solutions". *IEEE Communications Magazine*. 2019, 57(6). 100-106. <https://doi.org/10.1109/MCOM.2019.1800394>
- Koivumäki, Janne, Wen Hong Zhu, and Jouni Mattila. "Energy-efficient and high-precision control of hydraulic robots". *Control Engineering Practice*. 2019, 85. 176-193. <https://doi.org/10.1016/j.conengprac.2018.12.013>
- Danivska, Vitalija et al. "Environmental and social sustainability—emergence of well-being in the built environment, assessment tools and real estate market implications". *Intelligent Buildings International*. 2019. <https://doi.org/10.1080/17508975.2019.1678005>
- Sofotasios, Paschalis C. et al. "Ergodic Capacity Analysis of Wireless Transmission over Generalized Multipath/Shadowing Channels". *2018 IEEE 87th Vehicular Technology Conference*. IEEE. 2018, 1-5. <https://doi.org/10.1109/VTCSpring.2018.8417509>
- Li, Suyue et al. "Error analysis of NOMA-based user cooperation with SWIPT". *Proceedings - 15th Annual International Conference on Distributed Computing in Sensor Systems, DCOSS 2019*. IEEE. 2019, 507-513. <https://doi.org/10.1109/DCOSS.2019.00098>
- Shah, Sahas Bikram et al. "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*. 2015, 34(5). 1501-1510. <https://doi.org/10.1108/COMPEL-02-2015-0083>
- Häkkinen, Antti and Andre S. Ribeiro. "Estimation of GFP-tagged RNA numbers from temporal fluorescence intensity data". *Bioinformatics*. 2015, 31(1). 69-75. <https://doi.org/10.1093/bioinformatics/btu592>
- Kymäläinen, Tiina et al. "Evaluating a Future Remote Control Environment with an Experience-Driven Science Fiction Prototype". *Proceedings - 2015 International Conference on Intelligent Environments, IE 2015*. Institute of Electrical and Electronics Engineers Inc. 2015, 81-88. <https://doi.org/10.1109/IE.2015.19>
- Evreinova, Tatiana V., Grigori Evreinov and Roope Raisamo. "Evaluation of effectiveness of the stickgrip device for detecting the topographic heights on digital maps". *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND APPLICATIONS*. 2012, 9(3). 61-76.
- Joshay, Arjun et al. "Experimental analysis on the turning of aluminum alloy 7075 based on Taguchi method and artificial neural network". *Journal Europeen des Systemes Automatises*. 2019, 52(5). 429-437. <https://doi.org/10.18280/jesa.520501>

- Naumenko, V. V. et al. "Experimental study of bispectrum-based encoding in radio communication system". *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. 2015. <https://doi.org/10.1109/ICATT.2015.7136853>
- Tosi, Davide et al. "Experimenting traditional and modern reliability models in a 3-years european software project". *Proceedings of the 11th European Conference on Information Systems Management, ECISM 2017*. Academic Conferences and Publishing International Limited. 2017, 304-314.
- Rosa, Francescantonio Della et al. "Exploiting RSS measurements among neighbouring devices: A matter of trust". *2013 International Conference on Indoor Positioning and Indoor Navigation, IPIN 2013*. IEEE COMPUTER SOCIETY PRESS. 2013. <https://doi.org/10.1109/IPIN.2013.6817902>
- Sariola, Rami "Exploiting suppliers' potential in construction innovations". *2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings*. IEEE. 2018, 678-684. <https://doi.org/10.1109/ICE.2017.8279950>
- Andreev, Sergey et al. "Exploring synergy between communications, caching, and computing in 5G-grade deployments". *IEEE Communications Magazine*. 2016, 54(8). 60-69. <https://doi.org/10.1109/MCOM.2016.7537178>
- Iosifidis, Alexandros. "Extreme learning machine based supervised subspace learning". *Neurocomputing*. 2015, 167. 158-164. <https://doi.org/10.1016/j.neucom.2015.04.083>
- Zia, Nouman et al. "Fabrication and characterization of broadband superluminescent diodes for 2  $\mu\text{m}$  wavelength". *Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XX*. Proceedings of SPIE. SPIE. 2016. <https://doi.org/10.1117/12.2209720>
- Gizatdinova, Yulia, Ůleg Spakov and Veikko Surakka "Face typing: Vision-based perceptual interface for hands-free text entry with a scrollable virtual keyboard". *2012 IEEE Workshop on the Applications of Computer Vision, WACV 2012*. 2012, 81-87. <https://doi.org/10.1109/WACV.2012.6162997>
- Amato, Giuseppe et al. "Face verification and recognition for digital forensics and information security"., Varol, Asaf and Karabatak, Murat Varol, Cihan Teke, Sevginur (editors). *7th International Symposium on Digital Forensics and Security, ISDFS 2019*. IEEE. 2019. <https://doi.org/10.1109/ISDFS.2019.8757511>
- Kellomäki, Timo. "Fast Water Simulation Methods for Games". *Computers in Entertainment*. 2017. 16(1). <https://doi.org/10.1145/2700533>
- M. Aref, Mohammad et al. "Fault tolerant control architecture design for mobile manipulation in scientific facilities". *international Journal of Advanced Robotic Systems*. 2015. 12(4). <https://doi.org/10.5772/60038>
- Pajarinen, Joni, Jaakko Peltonen and Mikko A. Uusitalo. "Fault tolerant machine learning for nanoscale cognitive radio". *Neurocomputing*. 2011, 74(5). 753-764. <https://doi.org/10.1016/j.neucom.2010.10.007>
- Ometov, Aleksandr et al. "Feasibility characterization of cryptographic primitives for constrained (wearable) IoT devices". *IEEE International Conference on Pervasive Computing and Communication Workshops, PerCom Workshops 2016*. IEEE. 2016. <https://doi.org/10.1109/PERCOMW.2016.7457161>
- Emmert-Streib, Frank, Matthias Dehmer and Yongtang Shi. "Fifty years of graph matching, network alignment and network comparison". *Information Sciences*. 2016, 346-347. 180-197. <https://doi.org/10.1016/j.ins.2016.01.074>

- Ali, Ihtisham et al. "FinnForest dataset: A forest landscape for visual SLAM". *ROBOTICS AND AUTONOMOUS SYSTEMS*. 2020. 132. <https://doi.org/10.1016/j.robot.2020.103610>
- Ropo, Matti et al. "First-principles data set of 45,892 isolated and cation-coordinated conformers of 20 proteinogenic amino acids". *Scientific Data*. 2016. 3. <https://doi.org/10.1038/sdata.2016.9>
- Lampinen, Santeri, Jouni Niemi, and Jouni Mattila "Flow-bounded trajectory-scaling algorithm for hydraulic robotic manipulators". *2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020*. IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM. IEEE. 2020, 619-624. <https://doi.org/10.1109/AIM43001.2020.9158851>
- Hokkanen, Laura, Yueqiang Xu, and Kaisa Väänänen "Focusing on user experience and business models in startups: Investigation of two-dimensional value creation". *AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference*. ACM. 2016, 59-67. <https://doi.org/10.1145/2994310.2994371>
- Pertuz, Said, Edith Pulido-Herrera, and Joni-Kristian Kämäräinen. "Focus model for metric depth estimation in standard plenoptic cameras". *ISPRS Journal of Photogrammetry and Remote Sensing*. 2018, 144. 38-47. <https://doi.org/10.1016/j.isprsjprs.2018.06.020>
- Pursiainen, S. et al. "Forward simulation and inverse dipole localization with the lowest order Raviart - Thomas elements for electroencephalography". *Inverse Problems*. 2011. 27(4). <https://doi.org/10.1088/0266-5611/27/4/045003>
- Suominen, Olli et al. "Framework for optimization and scheduling of a copper production plant". *26th European Symposium on Computer Aided Process Engineering, 2016*. Computer Aided Chemical Engineering. Elsevier Science B.V. 2016, 1243-1248. <https://doi.org/10.1016/B978-0-444-63428-3.50212-5>
- Taibi, Davide and Kari Systä "From monolithic systems to microservices: A decomposition framework based on process mining", Ferguson, Donald and Munoz, Victor Mendez Helfert, Markus Pahl, Claus (editors). *CLOSER 2019 - Proceedings of the 9th International Conference on Cloud Computing and Services Science*. SCITEPRESS. 2019, 153-164. <https://doi.org/10.5220/0007755901530164>
- Korpi, Dani et al. "Full-duplex mobile device: Pushing the limits". *IEEE Communications Magazine*. 2016, 54(9). 80-87. <https://doi.org/10.1109/MCOM.2016.7565192>
- Ieremeiev, Oleg et al. "Full-reference metrics multidistortional analysis". *Image Processing: Algorithms and Systems XV*. Electronic Imaging. 2017, 27-35. <https://doi.org/10.2352/ISSN.2470-1173.2017.13.IPAS-202>
- Emmert-Streib, Frank et al. "Functional and genetic analysis of the colon cancer network.". *BMC Bioinformatics*. 2014. 15(Suppl 6).
- Andreev, Sergey et al. "Future of Ultra-Dense Networks Beyond 5G: Harnessing Heterogeneous Moving Cells". *IEEE Communications Magazine*. 2019, 57(6). 66-92. <https://doi.org/10.1109/MCOM.2019.1800056>
- Salmela, Jussi Matti et al. "Games and energy: Profiling power usage during play". *MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services"*. Association for Computing Machinery, Inc. 2014, 192-199. <https://doi.org/10.1145/2676467.2676488>
- Goranko, Valentin, Antti Kuusisto and Raine Rönholm. "Game-theoretic semantics for ATL<sup>+</sup> with applications to model checking". *Information and Computation*. 2020. <https://doi.org/10.1016/j.ic.2020.104554>
- Hamari, Juho, Lobna Hassan and Antonio Dias. "Gamification, quantified-self or social networking? Matching users' goals with motivational technology". *User Modeling and User-Adapted Interaction*. 2018, 28(1). 35-74. <https://doi.org/10.1007/s11257-018-9200-2>

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

Mohammed, Wael M. et al. "Generic platform for manufacturing execution system functions in knowledge-driven manufacturing systems". *International Journal of Computer Integrated Manufacturing*. 2018, 1-13. <https://doi.org/10.1080/0951192X.2017.1407874>

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

Rahmatallah, Yasir, Frank Emmert-Streib and Galina Glazko. "Gene Sets Net Correlations Analysis (GSNCA): A multivariate differential coexpression test for gene sets". *Bioinformatics*. 2014, 30(3). 360-368. <https://doi.org/10.1093/bioinformatics/btt687>

Emmert-Streib, Frank and Matthias Dehmer "Global information processing in gene networks: Fault tolerance". *Proceedings of the Bio-Inspired Models of Network, Information, and Computing Systems, Bionetics 2007*. 2007, 326-329. <https://doi.org/10.1109/BIMNICS.2007.4610138>

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

Iosifidis, Alexandros, Anastasios Tefas and Ioannis Pitas. "Graph Embedded Extreme Learning Machine". *IEEE Transactions on Cybernetics*. 2016, 46(1). 311 - 324. <https://doi.org/10.1109/TCYB.2015.2401973>

Dehmer, Matthias et al. "Graph measures with high discrimination power revisited: A random polynomial approach". *Information Sciences*. 2018, 467. 407-414. <https://doi.org/10.1016/j.ins.2018.07.072>

Ledentsov, N. N. et al. "Green (In,Ga,Al)P-GaP light-emitting diodes grown on high-index GaAs surfaces". *Proceedings of SPIE: Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XIX*. SPIE. 2015. <https://doi.org/10.1117/12.2083953>

Rahmatallah, Yasir et al. "GSAR: Bioconductor package for Gene Set analysis in R". *BMC Bioinformatics*. 2017. 18(1). <https://doi.org/10.1186/s12859-017-1482-6>

Leinonen, Tomi et al. ">8W GaInNAs VECSEL emitting at 615 nm". *Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) V*. SPIE. 2015. <https://doi.org/10.1117/12.2079162>

Mattila, J. et al. "Guest editorial introduction to the focused section on design and control of hydraulic robots". *IEEE - ASME Transactions on Mechatronics*. 2017, 22(2). 585-588. <https://doi.org/10.1109/TMECH.2017.2668611>

Ma, Huadong et al. "Guest Editorial Special Issue on Multimedia Big Data in Internet of Things". *IEEE Internet of Things Journal*. 2018, 5(5). 3405-3407. <https://doi.org/10.1109/JIOT.2018.2875580>

Balasubramaniam, Sasitharan et al. "Guest editorial special issue on the internet of nano things". *IEEE Internet of Things Journal*. 2016, 3(1). 1-3. <https://doi.org/10.1109/JIOT.2016.2516838>

Sylari, Antonios, Borja Ramis Ferrer, and Jose L.Martinez Lastra "Hand gesture-based on-line programming of industrial robot manipulators". *2019 IEEE 17th International Conference on Industrial Informatics, INDIN 2019*. IEEE International Conference on Industrial Informatics (INDIN). IEEE. 2019, 827-834. <https://doi.org/10.1109/INDIN41052.2019.8972301>



Farooq, Ahmed et al. "Haptic user interface enhancement system for touchscreen based interaction: A novel system for multimodal interaction with touchscreen interfaces". *ICOSST 2014 - 2014 International Conference on Open Source Systems and Technologies, Proceedings*. Institute of Electrical and Electronics Engineers Inc. 2014, 25-31. <https://doi.org/10.1109/ICOSST.2014.7029316>

Heikkinen, Jani Erik et al. "Hardware-in-the-loop platform for testing autonomous vehicle control algorithms"., Al-Jumeily, Dhiya, Hind, Jade, Mustafina, Jamila Al-Hajj, Assem Hussain, Abir Magid, Evgeni Tawfik, Hissam (editors). *Proceedings - 12th International Conference on the Developments in eSystems Engineering, DeSE 2019*. International Conference on Developments in eSystems Engineering, DeSE. IEEE. 2019, 906-911. <https://doi.org/10.1109/DeSE.2019.00168>

Yu, Guihai et al. "Hermitian normalized Laplacian matrix for directed networks". *Information Sciences*. 2019, 495. 175-184. <https://doi.org/10.1016/j.ins.2019.04.049>

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

Berlinicke, Cynthia A. et al. "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*. 2012, 17(4). 255-265. <https://doi.org/10.1177/2211068211431207>

Ponomarenko-Timofeev, Aleksei et al. "Highly dynamic spectrum management within licensed shared access regulatory framework". *IEEE Communications Magazine*. 2016, 54(3). 100-109. <https://doi.org/10.1109/MCOM.2016.7432155>

Mateos, Xavier et al. "Highly-efficient Ho:KY(WO<sub>4</sub>)<sub>2</sub> thin-disk lasers at 2.06 μm". *Pacific-Rim Laser Damage 2018: Optical Materials for High-Power Lasers*. Proceedings of SPIE. SPIE, IEEE. 2018. <https://doi.org/10.1117/12.2316822>

Dehmer, Matthias et al. "Highly unique network descriptors based on the roots of the permanental polynomial". *Information Sciences*. 2017, 408. 176-181. <https://doi.org/10.1016/j.ins.2017.04.041>

Robertsén, Fredrik, Keijo Mattila and Jan Westerholm. "High-performance SIMD implementation of the lattice-Boltzmann method on the Xeon Phi processor". *Concurrency Computation*. 2019. 31(13). <https://doi.org/10.1002/cpe.5072>

Viherialä, Jukka et al. "High-power 1550 nm tapered DBR lasers fabricated using soft UV-nanoimprint lithography". *High-Power Diode Laser Technology and Applications XIV*. SPIE Conference Proceedings. SPIE. 2016. <https://doi.org/10.1117/12.2207423>

Maina, Martin Ruthandi et al. "High surface quality welding of aluminum using adjustable ring-mode fiber laser". *Journal of Materials Processing Technology*. 2018, 258. 180-188. <https://doi.org/10.1016/j.jmatprotec.2018.03.030>

Moirangthem, Monali et al. "Hot pen and laser writable photonic polymer films". *Emerging Liquid Crystal Technologies XI*. SPIE. 2016. <https://doi.org/10.1117/12.2209065>

Taibi, Davide, Andrea Janes and Valentina Lenarduzzi. "How developers perceive smells in source code: A replicated study". *Information and Software Technology*. 2017, 92. 223-235. <https://doi.org/10.1016/j.infsof.2017.08.008>

Heimbirger, Anneli et al. "How do academics experience use of recorded audio feedback in higher education? A thematic analysis". *Frontiers in Education: Fostering Innovation Through Diversity, FIE 2018 - Conference Proceedings*. Proceedings - Frontiers in Education Conference. IEEE. 2019. <https://doi.org/10.1109/FIE.2018.8658635>

Helminen, Juha et al. "How do students solve parsons programming problems? - Execution-based vs. line-based feedback". *Proceedings - 2013 Learning and Teaching in Computing and Engineering, LaTiCE 2013*. 2013, 55-61. <https://doi.org/10.1109/LaTiCE.2013.26>

Morschheuser, Benedikt et al. "How to design gamification? A method for engineering gamified software". *Information and Software Technology*. 2018, 95. 219-237. <https://doi.org/10.1016/j.infsof.2017.10.015>

Voutilainen, Jari Pekka et al. "HTML5-based mobile agents for Web-of-Things". *Informatica*. 2016, 40(1). 43-51.

Rubel, Oleksii et al. "HVS-based local analysis of denoising efficiency for DCT-based filters". *2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings*. IEEE. 2015, 189-192. <https://doi.org/10.1109/INFOCOMMST.2015.7357309>

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

Tripathy, Soumya, Juho Kannala, and Esa Rahtu "ICface: Interpretable and controllable face reenactment using GANs". *2020 IEEE Winter Conference on Applications of Computer Vision, WACV 2020*. IEEE Winter Conference on Applications of Computer Vision. IEEE. 2020, 3374-3383. <https://doi.org/10.1109/WACV45572.2020.9093474>

AbuJarour, Safa'a et al. "Idea-space: A use case of collaborative course development in higher education". *Wissens-Gemeinschaften 2015*. TUDpress Verlag der Wissenschaften GmbH. 2015, 149-156.

Melekhov, Iaroslav et al. "Image-Based Localization Using Hourglass Networks". *2017 IEEE International Conference on Computer Vision Workshops, ICCVW 2017*. IEEE. 2018, 870-877. <https://doi.org/10.1109/ICCVW.2017.107>

Zhu, Shuyuan et al. "Image interpolation based on non-local geometric similarities". *2015 IEEE International Conference on Multimedia and Expo (ICME)*. IEEE COMPUTER SOCIETY PRESS. 2015. <https://doi.org/10.1109/ICME.2015.7177417>

Zhu, Shuyuan et al. "Image interpolation based on non-local geometric similarities and directional gradients". *IEEE Transactions on Multimedia*. 2016, 18(9). 1707-1719. <https://doi.org/10.1109/TMM.2016.2593039>

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

Sterpone, Fabio et al. "Importance of the ion-pair interactions in the OPEP coarse-grained force field: Parametrization and validation". *Journal of Chemical Theory and Computation*. 2013, 9(10). 4574-4584. <https://doi.org/10.1021/ct4003493>

Mäkinen, Simo et al. "Improving the delivery cycle: A multiple-case study of the toolchains in Finnish software intensive enterprises". *Information and Software Technology*. 2016, 80. 1339-1351. <https://doi.org/10.1016/j.infsof.2016.09.001>

Liuhanen, Sasu et al. "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*. 2013, 110(1). 38-47. <https://doi.org/10.1016/j.cmpb.2012.10.019>

Korpela, Timo et al. "Indirect NO<sub>x</sub> emission monitoring in natural gas fired boilers". *Control Engineering Practice*. 2017, 65. 11-25. <https://doi.org/10.1016/j.conengprac.2017.04.013>

Mäkinen, Petri, Teemu Mononen, and Jouni Mattila "Inertial Sensor-Based State Estimation of Flexible Links Subject to Bending and Torsion". *2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018*. IEEE. 2018. <https://doi.org/10.1109/MESA.2018.8449188>

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

- Gao, Haitao et al. "In-flight wind field identification and prediction of parafoil systems". *Applied Sciences (Switzerland)*. 2020. 10(6). <https://doi.org/10.3390/app10061958>
- Kalb, Hendrik et al. "Influence factors for sharing open science and open educational resources through social networking services". *6th Conference on Professional Knowledge Management: From Knowledge to Action - Proceedings*. Gesellschaft für Informatik (GI). 2011, 23-32.
- Emmert-Streib, Frank and Matthias Dehmer. "Information processing in the transcriptional regulatory network of yeast: Functional robustness". *BMC Systems Biology*. 2009. 3. <https://doi.org/10.1186/1752-0509-3-35>
- Le, Taoran et al. "Inkjet printing of radio frequency electronics: Design methodologies and application of novel nanotechnologies". *Journal of Electronic Packaging*. 2013. 135(1). <https://doi.org/10.1115/1.4023671>
- Karioja, Pentti et al. "Integrated multi-wavelength mid-IR light source for gas sensing". *Next-Generation Spectroscopic Technologies XI*. SPIE Conference Proceedings. SPIE, IEEE. 2018. <https://doi.org/10.1117/12.2305712>
- Aalto, Timo et al. "Integrating III-V, Si, and polymer waveguides for optical interconnects: RAPIDO". *Optical Interconnects XVI*. Proceedings of SPIE. SPIE. 2016. <https://doi.org/10.1117/12.2214786>
- Ratia, Milla. "Intellectual capital and bi-tools in private healthcare value creation". *Electronic Journal of Knowledge Management*. 2018, 16(2). 143-154.
- Petrov, Vitaly et al. "Interference and SINR in Millimeter Wave and Terahertz Communication Systems With Blocking and Directional Antennas". *IEEE Transactions on Wireless Communications*. 2017, 16(3). 1791-1808. <https://doi.org/10.1109/TWC.2017.2654351>
- Jameel, Furqan et al. "Internet of Autonomous Vehicles: Architecture, Features, and Socio-Technological Challenges". *IEEE Wireless Communications*. 2019, 26(4). 21-29. <https://doi.org/10.1109/MWC.2019.1800522>
- Vihervaara, Juha and Teemu Alapaholuoma "Internet of Things: Opportunities for vocational education and training: Presentation of the pilot project". *CSEDU 2017 - Proceedings of the 9th International Conference on Computer Supported Education*. SCITEPRESS. 2017, 476-480. <https://doi.org/10.5220/0006353204760480>
- Andreev, Sergey, Ciprian Dobre and Prasant Misra. "Internet of Things and Sensor Networks". *IEEE Communications Magazine*. 2020, 58(2). 34-34. <https://doi.org/10.1109/MCOM.2020.8999424>
- Mäkelä, Ville et al. "Investigating mid-air gestures and handhelds in motion tracked environments". *PerDis 2016 - Proceedings of the 5th ACM International Symposium on Pervasive Displays*. ACM. 2016, 45-51. <https://doi.org/10.1145/2914920.2915015>
- Liimatainen, Kaisa et al. "Iterative unsupervised domain adaptation for generalized cell detection from brightfield z-stacks". *BMC Bioinformatics*. 2019. 20(1). <https://doi.org/10.1186/s12859-019-2605-z>
- Ivanov, Pavel, Matti Raitoharju, and Robert Piché "Kalman-Type Filters and Smoothers for Pedestrian Dead Reckoning". *IPIN 2018 - 9th International Conference on Indoor Positioning and Indoor Navigation*. IEEE. 2018. <https://doi.org/10.1109/IPIN.2018.8533753>
- Coatanéa, Eric et al. "Knowledge-based artificial neural network (KB-ANN) in engineering: Associating functional architecture modeling, dimensional analysis and causal graphs to produce optimized topologies for KB-ANNs". *38th Computers and Information in Engineering Conference*. The American Society of Mechanical Engineers ASME. 2018. <https://doi.org/10.1115/DETC201885895>

Tahir, Muhammad Ashhal, Mehdi Mahmoodpour and Andrei Lobov "KPI-ML based integration of industrial information systems". *2019 IEEE 17th International Conference on Industrial Informatics, INDIN 2019*. IEEE International Conference on Industrial Informatics (INDIN). IEEE. 2019, 93-99. <https://doi.org/10.1109/INDIN41052.2019.8972139>

Ozbay, Ekmel, Irfan Bulu, and Humeyra Caglayan "Labyrinth based left-handed metamaterials and sub-wavelength focusing of electromagnetic waves". *Photonic Crystal Materials and Devices IV*. Proceedings of SPIE. 2006. <https://doi.org/10.1117/12.649548>

Lenk, Kerstin et al. "Lage und Zukunft des wissenschaftlichen Nachwuchses: Eine Stellungnahme des Beirats des Wissenschaftlichen Nachwuchses (WiN) der Gesellschaft für Informatik (GI e.V.)". *Informatik-Spektrum*. 2020, 43(2). 94–102. <https://doi.org/10.1007/s00287-020-01250-x>

Petrov, Vitaly et al. "Last Meter Indoor Terahertz Wireless Access: Performance Insights and Implementation Roadmap". *IEEE Communications Magazine*. 2018, 56(6). 158-165. <https://doi.org/10.1109/MCOM.2018.1600300>

Smirnov, Sergey, Federica Battisti, and Atanas Gotchev. "Layered approach for improving the quality of free-viewpoint depth-image-based rendering images". *Journal of Electronic Imaging*. 2019. 28(1). <https://doi.org/10.1117/1.JEI.28.1.013049>

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

Iosifidis, Alexandros, Anastasios Tefas and Ioannis Pitas. "Learning sparse representations for view-independent human action recognition based on fuzzy distances". *Neurocomputing*. 2013, 121. 344-353. <https://doi.org/10.1016/j.neucom.2013.05.021>

Vihonen, Juho et al. "Linear accelerometers and rate gyros for rotary joint angle estimation of heavy-duty mobile manipulators using forward kinematic modeling". *IEEE - ASME Transactions on Mechatronics*. 2016, 21(3). 1765-1774. <https://doi.org/10.1109/TMECH.2016.2544352>

Lunden, Olli-Pekka and Timo Paldanius "Linearization of BJTs with logarithmic predistortion". *2019 IEEE Radio and Wireless Symposium, RWS 2019*. IEEE Radio and Wireless Symposium, RWS. IEEE. 2019. <https://doi.org/10.1109/RWS.2019.8714520>

Samiee, Kaveh et al. "Long-term epileptic EEG classification via 2D mapping and textural features". *Expert Systems with Applications*. 2015, 42(20). 7175-7185. <https://doi.org/10.1016/j.eswa.2015.05.002>

Frosio, Iuri, Karen Egiazarian and Kari Pulli "Machine learning for adaptive bilateral filtering". *Image Processing: Algorithms and Systems XIII*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE. 2015. <https://doi.org/10.1117/12.2077733>

Belahcen, Anouar et al. "Magnetomechanical coupled FE simulations of rotating electrical machines". *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*. 2013, 32(5). 1484-1499. <https://doi.org/10.1108/COMPEL-04-2013-0109>

Rosati, Pierangelo et al. "Making the cloud work for software producers: Linking architecture, operating cost and revenue". *CLOSER 2018 - Proceedings of the 8th International Conference on Cloud Computing and Services Science*. SCITEPRESS. 2018, 364-375. <https://doi.org/10.5220/0006679303640375>

Gao, Yuan et al. "MAST: Mask-accelerated shearlet transform for densely-sampled light field reconstruction". *2019 IEEE International Conference on Multimedia and Expo, ICME 2019*. IEEE. 2019, 187-192. <https://doi.org/10.1109/ICME.2019.00040>

Kärkkäinen, Hannu et al. "Maturity assessment for implementing and using product lifecycle management in project-oriented engineering companies". *International Journal of Electronic Business*. 2014, 11(2). 176-198. <https://doi.org/10.1504/IJEB.2014.060218>

Bardinova, Yulia et al. "Measurements of Mobile Blockchain Execution Impact on Smartphone Battery". *Data*. 2020. 5(3). <https://doi.org/10.3390/data5030066>

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

Ye, Changgeng et al. "Measuring bend losses in large-mode-area fibers". *Fiber Lasers XII: Technology, Systems, and Applications*. SPIE. 2015. <https://doi.org/10.1117/12.2076813>

Pitkänen, Timo P., Pasi Raunonen and Annika Kangas. "Measuring stem diameters with TLS in boreal forests by complementary fitting procedure". *ISPRS Journal of Photogrammetry and Remote Sensing*. 2019, 147. 294-306. <https://doi.org/10.1016/j.isprsjprs.2018.11.027>

Kahle, Hermann et al. "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, Ursula (ed.). *Vertical External Cavity Surface Emitting Lasers (VECSELS) IX*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE, IEEE. 2019. <https://doi.org/10.1117/12.2512111>

Borges, Lucas R. et al. "Method for Simulating Dose Reduction in Digital Breast Tomosynthesis". *IEEE Transactions on Medical Imaging*. 2017, 36(11). 2331-2342. <https://doi.org/10.1109/TMI.2017.2715826>

Kozhemiakina, Nadejda et al. "Method of data compression for traffic monitoring". *2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings*. IEEE. 2015, 153-156. <https://doi.org/10.1109/INFOCOMMST.2015.7357299>

Afolaranmi, Samuel Olaiya et al. "Methodology to obtain the security controls in multi-cloud applications". *CLOSER 2016 - Proceedings of the 6th International Conference on Cloud Computing and Services Science*. SCITEPRESS. 2016, 327-332. <https://doi.org/10.5220/0005912603270332>

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

Mesaros, Annamaria, Toni Heittola, and Tuomas Virtanen. "Metrics for polyphonic sound event detection". *Applied Sciences*. 2016. 6(6). <https://doi.org/10.3390/app6060162>

Hemmilä, Samu et al. "Microflow-Based Device for In Vitro and Ex Vivo Drug Permeability Studies". *SLAS Technology*. 2020. <https://doi.org/10.1177/2472630320916190>

van Mellaert, R. et al. "Mixed-integer linear programming approach for global discrete sizing optimization of frame structures". *Structural and Multidisciplinary Optimization*. 2018, 57(2). 579–593. <https://doi.org/10.1007/s00158-017-1770-9>

Jokela, Tero, Heli Vääätäjä and Tiina Koponen "Mobile Journalist Toolkit: A field study on producing news articles with a mobile device". *MindTrek 2009 - 13th International Academic MindTrek Conference: Everyday Life in the Ubiquitous Era*. 2009, 45-52. <https://doi.org/10.1145/1621841.1621851>

Desogus, C. et al. "Mobility aware eMBMS management in urban 5G-oriented systems". *2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017*. IEEE. 2017. <https://doi.org/10.1109/BMSB.2017.7986140>

Ye, Changgeng et al. "Mode coupling in few-mode large-mode-area fibers". *Fiber Lasers XI: Technology, Systems, and Applications*. SPIE. 2014. <https://doi.org/10.1117/12.2038575>

Korpi, Dani et al. "Modeling and cancellation of self-interference in full-duplex radio transceivers: Volterra series-based approach". *2018 IEEE International Conference on Communications Workshops*. IEEE. 2018, 1-6. <https://doi.org/10.1109/ICCW.2018.8403638>

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

Godbole, Tanmay Ram et al. "Modeling mmWave Channels in High-Fidelity Simulations of Unmanned Aerial Systems". *2019 IEEE 20th International Workshop on Signal Processing Advances in Wireless Communications, SPAWC 2019*. IEEE International Workshop on Signal Processing Advances in Wireless Communications. IEEE. 2019. <https://doi.org/10.1109/SPAWC.2019.8815528>

Moloudian, Gholamhosein, Seyyed Reza Miri Rostami, and Toni Björninen. "Modified Wilkinson power divider with harmonics suppression and compact size for GSM applications". *International Journal of RF and Microwave Computer-Aided Engineering*. 2020. <https://doi.org/10.1002/mmce.22209>

Martins, Daniel P. et al. "Molecular Communications Pulse-based Jamming Model for Bacterial Biofilm Suppression". *IEEE Transactions on Nanobioscience*. 2018, 17(4). 533-542. <https://doi.org/10.1109/TNB.2018.2871276>

Rajan, Dhanesh Kattiparambil et al. "Monitoring pH, temperature and humidity in long-term stem cell culture in CO<sub>2</sub> incubator". *2017 IEEE International Symposium on Medical Measurements and Applications (MeMeA)*. IEEE. 2017, 470-474. <https://doi.org/10.1109/MeMeA.2017.7985922>

Korpijärvi, Ville-Markus et al. "Monolithic GaInNAsSb/GaAs VECSEL emitting at 1550 nm". *SPIE conference proceedings*. SPIE. 2015. <https://doi.org/10.1117/12.2077517>

Deng, Shengli et al. "Motivating scholars' responses in academic social networking sites: An empirical study on ResearchGate Q&A behavior". *INFORMATION PROCESSING AND MANAGEMENT*. 2019. 56(6). <https://doi.org/10.1016/j.ipm.2019.102082>

Xing, Hongnian and Markku Renfors "Multi-carrier CDMA for network assisted device-to-device communications for an integrated OFDMA cellular system". *2016 IEEE 83rd Vehicular Technology Conference (VTC Spring)*. 2016. <https://doi.org/10.1109/VTCspring.2016.7504354>

Sapaev, U. K., D. B. Yusupov, and G. Assanto "Multicolor nonlinear pulse compression by consecutive optical parametric amplification in quasi-phase matched structures". *ICONO 2010: International Conference on Coherent and Nonlinear Optics*. 2011. <https://doi.org/10.1117/12.882887>

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

Suzuki, Junichi, Sasitharan Balasubramaniam and Adriele Prina-Mello "Multiobjective TDMA optimization for neuron-based molecular communication". *BODYNETS 2012 - 7th International Conference on Body Area Networks*. ICST. 2012. <https://doi.org/10.4108/icst.bodynets.2012.250037>

Cho, Chunhee et al. "Multi-physics modeling and simulation of a frequency doubling antenna sensor for passive wireless strain sensing". *Structural Health Monitoring 2015: System Reliability for Verification and Implementation - Proceedings of the 10th International Workshop on Structural Health Monitoring, IWSHM 2015*. DEStech Publications. 2015, 864-872.

Yi, X. et al. "Multi-physics modeling and simulation of a slotted patch antenna for wireless strain sensing". *Structural Health Monitoring 2013: A Roadmap to Intelligent Structures - Proceedings of the 9th International Workshop on Structural Health Monitoring, IWSHM 2013*. DEStech Publications. 2013, 1857-1864.

Lauri, Mikko et al. "Multi-sensor next-best-view planning as matroid-constrained submodular maximization". *IEEE Robotics and Automation Letters*. 2020, 5(4). 5323-5330. <https://doi.org/10.1109/LRA.2020.3007445>

Boashash, Boualem, Abdeldjalil Aïssa-El-Bey, and Mohammad F. Al-Sa'd. "Multisensor Time-Frequency Signal Processing MATLAB package: An analysis tool for multichannel non-stationary data". *SoftwareX*. 2018, 8. 53-58. <https://doi.org/10.1016/j.softx.2017.12.002>

Liang, Yanhua et al. "Multistep reactions of water with small Pd<sub>n</sub> clusters: A first principles study". *Journal of Theoretical and Computational Chemistry*. 2015. 14(3). <https://doi.org/10.1142/S0219633615500170>

Hsu, Chia Jui, José Luis Pino and Shuvra S. Bhattacharyya. "Multithreaded simulation for synchronous dataflow graphs". *ACM Transactions on Design Automation of Electronic Systems*. 2011. 16(3). <https://doi.org/10.1145/1970353.1970358>

Katkovnik, Vladimir et al. "Multiwavelength surface contouring from phase-coded diffraction patterns". *Unconventional Optical Imaging 2018. Strasbourg, France*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE. 2018. <https://doi.org/10.1117/12.2306127>

Nummenmaa, Timo et al. "MurMur Moderators, the talking playful seats". *MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services"*. Association for Computing Machinery, Inc. 2014, 231-237. <https://doi.org/10.1145/2676467.2676505>

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

Donohoe, Michael et al. "Nanodevice Arrays for Peripheral Nerve Fascicle Activation Using Ultrasound Energy-harvesting". *IEEE Transactions on Nanotechnology*. 2017, 16(6). 919-930. <https://doi.org/10.1109/TNANO.2017.2723658>

Turunen, Esko. "Necessary and sufficient conditions for the existence of solution of generalized fuzzy relation equations  $A \Leftrightarrow X = B$ ". *Information Sciences*. 2020, 536. 351-357. <https://doi.org/10.1016/j.ins.2020.05.015>

González-Díaz, Iván et al. "Neighborhood Matching for Image Retrieval". *IEEE Transactions on Multimedia*. 2017, 19(3). 544-558. <https://doi.org/10.1109/TMM.2016.2616298>

Tripathi, Shailesh, Matthias Dehmer, and Frank Emmert-Streib. "NetBioV: An R package for visualizing large network data in biology and medicine". *Bioinformatics*. 2014, 30(19). 2834-2836. <https://doi.org/10.1093/bioinformatics/btu384>

Altay, Gökmen et al. "Netmes: Assessing gene network inference algorithms by network-based measures". *Evolutionary Bioinformatics*. 2013. 10. <https://doi.org/10.4137/EBO.S13481>

Dehmer, Matthias, Stephan Borgert, and Frank Emmert-Streib "Network classes and graph complexity measures". *Proc. - 2008 1st International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems. Medical Applications of the Complex Systems. Biomedical Computing, CANS 2008*. 2008, 77-84. <https://doi.org/10.1109/CANS.2008.17>

Milagro, Javier et al. "Nocturnal Heart Rate Variability Spectrum Characterization in Preschool Children with Asthmatic Symptoms". *IEEE Journal of Biomedical and Health Informatics*. 2018, 22(5). 1332-1340. <https://doi.org/10.1109/JBHI.2017.2775059>

Achimova, Elena et al. "Noise minimized high resolution digital holographic microscopy applied to surface topography". *Computer Optics*. 2018, 42(2). 267-272. <https://doi.org/10.18287/2412-6179-2018-42-2-267-272>

Emmert-Streib, Frank and Matthias Dehmer. "Nonlinear time series prediction based on a power-law noise model". *International Journal of Modern Physics C*. 2007, 18(12). 1839-1852. <https://doi.org/10.1142/S0129183107011765>

Voronin, V. V. et al. "No-reference visual quality assessment for image inpainting". *Image Processing: Algorithms and Systems XIII*. SPIE Conference Proceedings. SPIE. 2015. <https://doi.org/10.1117/12.2076507>

Araniti, G. et al. "Novel D2D-based relaying method for multicast services over 3GPP LTE-A systems". *2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017*. IEEE. 2017. <https://doi.org/10.1109/BMSB.2017.7986137>

Dikmese, Sener et al. "Novel frequency domain cyclic prefix autocorrelation based compressive spectrum sensing for cognitive radio". *2016 IEEE 83rd Vehicular Technology Conference (VTC Spring)*. IEEE. 2016. <https://doi.org/10.1109/VTCspring.2016.7504368>

Nummenmaa, Timo et al. "OASIS deck of cards - House of colleagues: A playful". *ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference*. Association for Computing Machinery, Inc. 2015, 2-9. <https://doi.org/10.1145/2818187.2818296>

Radevici, Ivan et al. "Observation of local electroluminescent cooling and identifying the remaining challenges"., Seletskiy, Denis V. Epstein, Richard I. Sheik-Bahae, Mansoor (editors). *Photonic Heat Engines: Science and Applications*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE, IEEE. 2019. <https://doi.org/10.1117/12.2505814>

Barneto, Carlos Baquero et al. "OFDM radar with LTE waveform: Processing and performance". *2019 IEEE Radio and Wireless Symposium, RWS 2019*. IEEE Radio and Wireless Symposium, RWS. IEEE COMPUTER SOCIETY PRESS. 2019. <https://doi.org/10.1109/RWS.2019.8714410>

Salminen, Katri et al. "Olfactory display prototype for presenting and sensing authentic and synthetic odors". *ICMI 2018 - Proceedings of the 2018 International Conference on Multimodal Interaction*. ACM. 2018, 73-77. <https://doi.org/10.1145/3242969.3242999>

Juhola, Martti et al. "On computation of calcium cycling anomalies in cardiomyocytes data". *2014 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2014*. Institute of Electrical and Electronics Engineers Inc. 2014, 1444-1447. <https://doi.org/10.1109/EMBC.2014.6943872>

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

Ivanov, Stepan, Dmitri Botvich and Sasitharan Balasubramaniam "On delay distribution in IEEE 802.11 wireless networks". *16th IEEE Symposium on Computers and Communications, ISCC'11*. 2011, 254-256. <https://doi.org/10.1109/ISCC.2011.5983849>

Dehmer, Matthias et al. "On entropy-based molecular descriptors: Statistical analysis of real and synthetic chemical structures". *Journal of Chemical Information and Modeling*. 2009, 49(7). 1655-1663. <https://doi.org/10.1021/ci900060x>



Galinina, Olga et al. "On feasibility of 5G-grade dedicated RF charging technology for wireless-powered wearables". *IEEE Wireless Communications*. 2016, 23(2). 28-37. <https://doi.org/10.1109/MWC.2016.7462482>

De Biasi, Marzio and Juho Lauri. "On the complexity of restoring corrupted colorings". *Journal of Combinatorial Optimization*. 2019, 37(4). 1150-1169. <https://doi.org/10.1007/s10878-018-0342-2>

Lavazza, Luigi et al. "On the definition of dynamic software measures". *International Symposium on Empirical Software Engineering and Measurement*. 2012, 39-48. <https://doi.org/10.1145/2372251.2372259>

Dehmer, Matthias et al. "On the degeneracy of the Randić entropy and related graph measures". *Information Sciences*. 2018. <https://doi.org/10.1016/j.ins.2018.11.011>

Baldassarre, Maria Teresa et al. "On the diffuseness of technical debt items and accuracy of remediation time when using SonarQube". *Information and Software Technology*. 2020. 128. <https://doi.org/10.1016/j.infsof.2020.106377>

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

Marshoud, Hanaa et al. "On the Performance of Visible Light Communication Systems with Non-Orthogonal Multiple Access". *IEEE Transactions on Wireless Communications*. 2017, 16(10). 6350-6364. <https://doi.org/10.1109/TWC.2017.2722441>

Ghorbani, Modjtaba et al. "On the zeros of the partial Hosoya polynomial of graphs". *Information Sciences*. 2020, 524. 199-215. <https://doi.org/10.1016/j.ins.2020.03.011>

Petrov, Vitaly et al. "On Unified Vehicular Communications and Radar Sensing in Millimeter-Wave and Low Terahertz Bands". *IEEE Wireless Communications*. 2019, 26(3). 146-153. <https://doi.org/10.1109/MWC.2019.1800328>

Stumpel, Jelle E. et al. "Optical and topographic changes in water-responsive patterned cholesteric liquid crystalline polymer coatings". *Proceedings of SPIE: Organic Photonics VI*. Proceedings of SPIE: the International Society for Optical Engineering. SPIE. 2014. <https://doi.org/10.1117/12.2052678>

Marshoud, Hanaa et al. "Optical Asymmetric Modulation for VLC Systems - Invited Paper". *2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018*. IEEE. 2018, 1-5. <https://doi.org/10.1109/VTCSpring.2018.8417541>

Fotiadi, Andrei A. et al. "Optical fiber amplifier with spectral compression elements for high-power laser pulse generation". *Nonlinear Optics and its Applications IV*. Proceedings of SPIE. SPIE. 2016. <https://doi.org/10.1117/12.2223637>

Orsino, A. et al. "Optimal subgroup configuration for multicast services over 5G-satellite systems". *2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017*. IEEE. 2017. <https://doi.org/10.1109/BMSB.2017.7986134>

Li, Xiaoyang et al. "Optimizing wirelessly powered crowd sensing: Trading energy for data". *2018 IEEE International Conference on Communications Workshops*. IEEE. 2018, 1-6. <https://doi.org/10.1109/ICCW.2018.8403562>

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

- de Matos Simoes, Ricardo, Shailesh Tripathi, and Frank Emmert-Streib. "Organizational structure and the periphery of the gene regulatory network in B-cell lymphoma.". *BMC Systems Biology*. 2012. 6. <https://doi.org/10.1186/1752-0509-6-38>
- Mäenpää, Hanna et al. "Organizing for openness: six models for developer involvement in hybrid OSS projects". *Journal of Internet Services and Applications*. 2018. 9(1). <https://doi.org/10.1186/s13174-018-0088-1>
- Hildén, Elina et al. "Participatory development of user experience design guidelines for a B2B company". *AcademicMindtrek '16 Proceedings of the 20th International Academic Mindtrek Conference*. ACM. 2016, 49-58. <https://doi.org/10.1145/2994310.2994355>
- Taibi, Davide et al. "Patterns for serverless functions (Function-as-a-Service): A multivocal literature review"., Ferguson, Donald Helfert, Markus Pahl, Claus (editors). *CLOSER 2020 - Proceedings of the 10th International Conference on Cloud Computing and Services Science*. SCITEPRESS. 2020, 181-192. <https://doi.org/10.5220/0009578501810192>
- Selim, Bassant et al. "Performance Analysis of Single Carrier Coherent and Noncoherent Modulation under I/Q Imbalance". *2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018*. IEEE. 2018, 1-5. <https://doi.org/10.1109/VTCSpring.2018.8417514>
- Begishev, V. O. et al. "Performance evaluation of bandwidth reservation for mmWave 5G NR systems". *Informatsionno-Upravliaiushchie Sistemy*. 2019, (5). 51-63. <https://doi.org/10.31799/1684-8853-2019-5-51-63>
- Sheikh, Muhammad Usman, Ritayan Biswas, and Jukka Lempiäinen "Performance Evaluation of Coordinated Multipoint Transmission at 28 GHz Frequency Using 3D Ray Tracing". *2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018 - Proceedings*. IEEE. 2018, 1-6. <https://doi.org/10.1109/VTCSpring.2018.8417593>
- Khan, Suabyal et al. "Performance evaluation of distributed NoTA applications on multi-core platforms". *Proceedings - 2011 IEEE 2nd International Conference on Networked Embedded Systems for Enterprise Applications, NESEA 2011*. 2011. <https://doi.org/10.1109/NESEA.2011.6144931>
- Iosifidis, Alexandros, Anastasios Tefas and Ioannis Pitas "Person identification from actions based on dynemes and discriminant learning". *2013 International Workshop on Biometrics and Forensics, IWBF 2013*. 2013. <https://doi.org/10.1109/IWBF.2013.6547320>
- Bulling, Andreas, Andrew T. Duchowski and Päivi Majaranta "PETMEI 2011: The 1st international workshop on pervasive eye tracking and mobile eye-based interaction". *UbiComp'11 - Proceedings of the 2011 ACM Conference on Ubiquitous Computing*. 2011, 627-628. <https://doi.org/10.1145/2030112.2030248>
- Ponomarenko, Mykola, Vladimir Katkovnik, and Karen Egiazarian "Phase masks optimization for broadband diffractive imaging". *Image Processing: Algorithms and Systems XVII*. IS and T International Symposium on Electronic Imaging Science and Technology. 2019. <https://doi.org/10.2352/ISSN.2470-1173.2019.11.IPAS-258>
- Petrone, G. et al. "Photovoltaic plant cloud shadowing and energy drops in Northern Europe". *2018 IEEE International Conference on Industrial Technology (ICIT)*. IEEE. 2018, 1055-1060. <https://doi.org/10.1109/ICIT.2018.8352324>
- Filippov, Valery et al. "Picosecond MOPA with ytterbium doped tapered double clad fiber". *Fiber Lasers XIV: Technology and Systems*. Proceedings of SPIE; 10083. SPIE. 2017. <https://doi.org/10.1117/12.2252006>
- Solin, Arno et al. "PIVO: Probabilistic inertial-visual odometry for occlusion-robust navigation". *Proceedings - 2018 IEEE Winter Conference on Applications of Computer Vision, WACV 2018*. IEEE. 2018, 616-625. <https://doi.org/10.1109/WACV.2018.00073>
- Saintsing, Christy D. et al. "Planar monopole antennas on substrates fabricated through an additive manufacturing process". *IEEE Radio and Wireless Symposium, RWS*. 2015, 2015-June(June). 159-161. <https://doi.org/10.1109/RWS.2015.7129744>

- Paunonen, Lassi and Petteri Laakkonen. "Polynomial Input-Output Stability for Linear Systems". *IEEE Transactions on Automatic Control*. 2015, 60(10). 2797-2802. <https://doi.org/10.1109/TAC.2015.2398890>
- Soini, J. et al. "Portable sensor system for reliable condition measurement". *2016 39th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2016 - Proceedings*. 2016, 1190-1195. <https://doi.org/10.1109/MIPRO.2016.7522320>
- Zhu, Lingyu et al. "Portrait instance segmentation for mobile devices". *2019 IEEE International Conference on Multimedia and Expo, ICME 2019*. IEEE. 2019, 1630-1635. <https://doi.org/10.1109/ICME.2019.00281>
- Motlagh, Hamid Didari Khamseh et al. "Position Estimation for Drones based on Visual SLAM and IMU in GPS-denied Environment". *ICRoM 2019 - 7th International Conference on Robotics and Mechatronics*. IEEE. 2019, 120-124. <https://doi.org/10.1109/ICRoM48714.2019.9071826>
- Talvitie, Jukka et al. "Positioning and Location-Aware Communications for Modern Railways with 5G New Radio". *IEEE Communications Magazine*. 2019, 57(9). 24-30. <https://doi.org/10.1109/MCOM.001.1800954>
- Heikkinen, Juuso et al. "Power and wavelength scaling using semiconductor disk laser - bismuth fiber MOPA systems". Guina, M (ed.). *Vertical External Cavity Surface Emitting Lasers (VECSELs) V*. Proceedings of SPIE. BELLINGHAM: SPIE. 2015. <https://doi.org/10.1117/12.2076805>
- Leppänen, Leo et al. "Predicting academic success based on learning material usage". *SIGITE 2017 - Proceedings of the 18th Annual Conference on Information Technology Education*. ACM. 2017, 13-18. <https://doi.org/10.1145/3125659.3125695>
- Suzumori, Koichi et al. "Preface: Special Issue on 'New Hydraulic Components for Tough Robots'". *Advanced Robotics*. 2018. 32(9). <https://doi.org/10.1080/01691864.2018.1466427>
- Lin, Ziyin et al. "Preparation of water-based carbon nanotube inks and application in the inkjet printing of carbon nanotube gas sensors". *Journal of Electronic Packaging*. 2013. 135(1). <https://doi.org/10.1115/1.4023758>
- Suominen, Olli and Atanas Gotchev "Preserving natural scene lighting by strobe-lit video". *Image Processing: Algorithms and Systems XIII*. SPIE Conference Proceedings. SPIE. 2015. <https://doi.org/10.1117/12.2185013>
- Leinonen, Juho, Petri Ihanntola and Arto Hellas "Preventing keystroke based identification in open data sets". *L@S 2017 - Proceedings of the 4th (2017) ACM Conference on Learning at Scale*. ACM. 2017, 101-109. <https://doi.org/10.1145/3051457.3051458>
- Gerasimenko, Mikhail et al. "Prioritized centrally-controlled resource allocation in integrated multi-RAT HetNets". *IEEE Vehicular Technology Conference*. The Institute of Electrical and Electronics Engineers, Inc. 2015. <https://doi.org/10.1109/VTCSpring.2015.7146031>
- Pajarinen, Joni et al. "Probabilistic approach to physical object disentangling". *IEEE Robotics and Automation Letters*. 2020, 5(4). 5510-5517. <https://doi.org/10.1109/LRA.2020.3006789>
- Kulya, Maksim S. et al. "Propagation dynamics of ultrabroadband terahertz beams with orbital angular momentum for wireless data transfer"., Dingel, Benjamin B. Tsukamoto, Katsutoshi Mikroulis, Spiros (editors). *Broadband Access Communication Technologies XIV*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE. 2020. <https://doi.org/10.1117/12.2547695>
- Kantola, Emmi et al. "Pulsed high-power yellow-orange VECSEL". *Photonics Europe 2014, Semiconductor Lasers and Laser Dynamics VI, April 14-17, 2014, Brussels, Belgium. Proceedings of SPIE*. SPIE Conference Proceedings. SPIE. 2014. <https://doi.org/10.1117/12.2054716>

Martins, Daniel P., Michael Taynnan Barros and Sasitharan Balasubramaniam. "Quality and Capacity Analysis of Molecular Communications in Bacterial Synthetic Logic Circuits". *IEEE Transactions on Nanobioscience*. 2019. <https://doi.org/10.1109/TNB.2019.2930960>

Dehmer, Matthias, Frank Emmert-Streib and Yongtang Shi. "Quantitative Graph Theory: A new branch of graph theory and network science". *Information Sciences*. 2017, 418-419. 575-580. <https://doi.org/10.1016/j.ins.2017.08.009>

Garcia-Fernandez, Jorge et al. "Quantitative + qualitative information for heritage conservation: An open science research for paving 'collaboratively' the way to historical-BIM". *2015 Digital Heritage International Congress, Digital Heritage 2015*. IEEE. 2016, 207-208. <https://doi.org/10.1109/DigitalHeritage.2015.7419495>

De Wit, J. J M, R. I A Harmanny and P. Molchanov "Radar micro-Doppler feature extraction using the Singular Value Decomposition". *2014 International Radar Conference, Radar 2014*. The Institute of Electrical and Electronics Engineers, Inc. 2014. <https://doi.org/10.1109/RADAR.2014.7060268>

Aytekin, Caglar et al. "Railway fastener inspection by real-time machine vision". *IEEE Transactions on Systems, Man, and Cybernetics: Systems*. 2015, 45(7). 1101-1107. <https://doi.org/10.1109/TSMC.2014.2388435>

Habib, Muhammad et al. "Random Value Impulse Noise Removal Based on Most Similar Neighbors". *2015 13th International Conference on Frontiers of Information Technology (FIT)*. IEEE. 2016, 329-333. <https://doi.org/10.1109/FIT.2015.64>

Solomitckii, Dmitrii et al. "Ray-based evaluation of dual-polarized MIMO in (Ultra-)dense millimeter-wave urban deployments". *2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018 - Proceedings*. IEEE. 2018, 1-7. <https://doi.org/10.1109/VTCspring.2018.8417788>

Teke, Burak et al. "Real-time and Robust Collaborative Robot Motion Control with Microsoft Kinect ® v2". *2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018*. IEEE. 2018. <https://doi.org/10.1109/MESA.2018.8449156>

Smirnov, Sergey and Atanas Gotchev "Real-time depth image-based rendering with layered dis-occlusion compensation and aliasing-free composition". *Proceedings of SPIE - The International Society for Optical Engineering*. SPIE Conference Proceedings. SPIE. 2015. <https://doi.org/10.1117/12.2086895>

Heino, Mikko et al. "Recent advances in antenna design and interference cancellation algorithms for in-band full duplex relays". *IEEE Communications Magazine*. 2015, 53(5). 91-101. <https://doi.org/10.1109/MCOM.2015.7105647>

De Oliveira, Marcela Tuler et al. "Red Alert: Break-Glass Protocol to Access Encrypted Medical Records in the Cloud". *2019 IEEE International Conference on E-Health Networking, Application and Services, HealthCom 2019*. IEEE. 2019. <https://doi.org/10.1109/HealthCom46333.2019.9009598>

Laakkonen, Petteri and Lassi Paunonen. "Reduced Order Internal Models in the Frequency Domain". *IEEE Transactions on Automatic Control*. 2018, 63(6). 1806-1812. <https://doi.org/10.1109/TAC.2017.2751520>

Mäkinen, Petri et al. "Redundancy-based visual tool center point pose estimation for long-reach manipulators". *2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020*. IEEE/ASME International Conference on Advanced Intelligent Mechatronics. IEEE. 2020, 1387-1393. <https://doi.org/10.1109/AIM43001.2020.9159022>

Iosifidis, Alexandros, Anastasios Tefas and Ioannis Pitas. "Regularized extreme learning machine for multi-view semi-supervised action recognition". *Neurocomputing*. 2014, 145. 250-262. <https://doi.org/10.1016/j.neucom.2014.05.036>

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

Altay, Gökmen and Frank Emmert-Streib. "Revealing differences in gene network inference algorithms on the network level by ensemble methods". *Bioinformatics*. 2010, 26(14). 1738-1744. <https://doi.org/10.1093/bioinformatics/btq259>

Qian, Yanlin et al. "Revisiting gray pixel for statistical illumination estimation"., Kerren, Andreas Hurter, Christophe Braz, Jose (editors). *VISIGRAPP 2019 - Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*. SCITEPRESS. 2019, 36-46. <https://doi.org/10.5220/0007406900360046>

Kimionis, John and Manos M. Tentzeris "RF tag front-end design for uncompromised communication and harvesting". *2014 IEEE RFID Technology and Applications Conference, RFID-TA 2014*. Institute of Electrical and Electronics Engineers Inc. 2014, 109-114. <https://doi.org/10.1109/RFID-TA.2014.6934210>

Hecker, Klaus et al. "Roadmap for organic and printed electronics". *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. 2015, 125-126.

Korpela, Timo et al. "Robust data reconciliation of combustion variables in multi-fuel fired industrial boilers". *Control Engineering Practice*. 2016, 55. 101-115. <https://doi.org/10.1016/j.conengprac.2016.07.002>

Ieremeiev, Oleg et al. "Robust linearized combined metrics of image visual quality". *Electronic Imaging: Image Processing: Algorithms and Systems XVI*. Society for Imaging Science and Technology. 2018. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-260>

Emmert-Streib, Frank and Matthias Dehmer. "Robustness in scale-free networks: Comparing directed and undirected networks". *International Journal of Modern Physics C*. 2008, 19(5). 717-726. <https://doi.org/10.1142/S0129183108012510>

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

Humaloja, Jukka-Pekka and Lassi Paunonen. "Robust Regulation of Infinite-Dimensional Port-Hamiltonian Systems". *IEEE Transactions on Automatic Control*. 2018. 63(5). <https://doi.org/10.1109/TAC.2017.2748055>

Mahmoodpour, Mehdi et al. "Role-based visualization of industrial IoT-based systems". *2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018*. IEEE. 2018. <https://doi.org/10.1109/MESA.2018.8449183>

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

Stupnikov, Alexey et al. "SamExploreR: Exploring reproducibility and robustness of RNA-seq results based on SAM files". *Bioinformatics*. 2016, 32(21). 3345-3347. <https://doi.org/10.1093/bioinformatics/btw475>

Martins, Leonardo et al. "SCIP: a single-cell image processor toolbox". *Bioinformatics*. 2018, 34(24). 4318-4320. <https://doi.org/10.1093/bioinformatics/bty505>

Kolehmainen, Antti "Secure Firmware Updates for IoT: A Survey". *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. 2018, 112-117. [https://doi.org/10.1109/Cybermatics\\_2018.2018.00051](https://doi.org/10.1109/Cybermatics_2018.2018.00051)

Rivero Rodriguez, Alejandro, Helena Leppäkoski, and Robert Piché "Semantic Labeling of Places based on Phone Usage Features using Supervised Learning". *2014 Ubiquitous Positioning Indoor Navigation and Location Based Service, UPINLBS 2014 - Conference Proceedings*. Piscataway, NJ, USA: IEEE. 2015, 97-102. <https://doi.org/10.1109/UPINLBS.2014.7033715>

Nupponen, Jussi and Davide Taibi "Serverless: What it Is, What to Do and What Not to Do". *2020 IEEE International Conference on Software Architecture Companion, ICSCA-C 2020*. IEEE. 2020, 49-50. <https://doi.org/10.1109/ICSCA-C50368.2020.00016>

Karavirta, Ville, Petri Ihantola and Teemu Koskinen "Service-oriented approach to improve interoperability of e-learning systems". *Proceedings - 2013 IEEE 13th International Conference on Advanced Learning Technologies, ICALT 2013*. 2013, 341-345. <https://doi.org/10.1109/ICALT.2013.105>

Tripathi, Shailesh et al. "sgnesR: An R package for simulating gene expression data from an underlying real gene network structure considering delay parameters". *BMC Bioinformatics*. 2017. 18(1). <https://doi.org/10.1186/s12859-017-1731-8>

Saleh, Abba et al. "Short-range supercontinuum based lidar for combustion diagnostics". and Kimata, Masafumi Valenta, Christopher R. (editors). *SPIE Future Sensing Technologies*. Proceedings of SPIE. SPIE, IEEE. 2019. <https://doi.org/10.1117/12.2542720>

Jin, Min et al. "Short-term power load forecasting using grey correlation contest modeling". *Expert Systems with Applications*. 2012, 39(1). 773-779. <https://doi.org/10.1016/j.eswa.2011.07.072>

Pulkkinen, Ulla et al. "Simulation of oxygen exchange of SnO<sub>2</sub> surface". *Computer Physics Communications*. 1999, 121. 720.

Frantc, V. A. et al. "Simultaneous binary hash and features learning for image retrieval". *Mobile Multimedia/Image Processing, Security, and Applications 2016*. SPIE Conference Proceedings. SPIE. 2016. <https://doi.org/10.1117/12.2223605>

Kocsis, Péter et al. "Single exposure lensless subpixel phase imaging". and Kress, Bernard C. Schelkens, Peter (editors). *Digital Optical Technologies 2019*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE, IEEE. 2019. <https://doi.org/10.1117/12.2525679>

Neri, M. et al. "SkyMedia - UAV-based capturing of HD/3D content with WSN augmentation for immersive media experiences". *Electronic Proceedings of the 2011 IEEE International Conference on Multimedia and Expo, ICME 2011*. 2011. <https://doi.org/10.1109/ICME.2011.6012133>

Galinina, Olga et al. "Smart home gateway system over Bluetooth low energy with wireless energy transfer capability". *Eurasip Journal on Wireless Communications and Networking*. 2015. 2015(1). <https://doi.org/10.1186/s13638-015-0393-3>

Ainasoja, Antti E., Said Pertuz, and Joni-Kristian Kämäräinen "Smartphone teleoperation for self-balancing telepresence robots"., Kerren, Andreas Hurter, Christophe Braz, Jose (editors). *VISIGRAPP 2019 - Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*. SCITEPRESS. 2019, 561-568. <https://doi.org/10.5220/0007406405610568>

Stenros, Jaakko, Janne Paavilainen and Frans Mäyrä. "Social interaction in games". *International Journal of Arts and Technology*. 2011, 4(3). 342-358. <https://doi.org/10.1504/IJART.2011.041486>

Moltchanov, Dmitri et al. "Socially inspired relaying and proactive mode selection in mmWave vehicular communications". *IEEE Internet of Things Journal*. 2019, 6(3). 5172-5183. <https://doi.org/10.1109/JIOT.2019.2898420>

- Fu, Shaoxiong et al. "Social media overload, exhaustion, and use discontinuance: Examining the effects of information overload, system feature overload, and social overload". *INFORMATION PROCESSING AND MANAGEMENT*. 2020. 57(6). <https://doi.org/10.1016/j.ipm.2020.102307>
- Paavilainen, Janne et al. "Social Network Games: Players' Perspectives". *SIMULATION AND GAMING*. 2013, 44(6). 794-820. <https://doi.org/10.1177/1046878113514808>
- Gadoura, Idris et al. "Soft computing-based controller design for a telecom rectifier". Martikainen, Jarno (ed.). *SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications*. SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications. Institute of Electrical and Electronics Engineers Inc. 1999, 80-85. <https://doi.org/10.1109/SMCIA.1999.782712>
- Netzev, Metodi, Alexandre Angleraud, and Roel Pieters. "Soft robotic gripper with compliant cell stacks for industrial part handling". *IEEE Robotics and Automation Letters*. 2020, 5(4). 6821-6828. <https://doi.org/10.1109/LRA.2020.3020546>
- Mattila, Anna-Liisa et al. "Software visualization today - Systematic literature review". *AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference*. ACM. 2016, 262-271. <https://doi.org/10.1145/2994310.2994327>
- Yunas, Syed, Mikko Valkama and Jarno Niemelä. "Spectral and energy efficiency of ultra-dense networks under different deployment strategies". *IEEE Communications Magazine*. 2015, 53(1). 90-100. <https://doi.org/10.1109/MCOM.2015.7010521>
- Koivumäki, Janne and Jouni Mattila. "Stability-Guaranteed Force-Sensorless Contact Force/Motion Control of Heavy-Duty Hydraulic Manipulators". *IEEE Transactions on Robotics*. 2015, 31(4). 918-935. <https://doi.org/10.1109/TRO.2015.2441492>
- Kammachi-Sreedhar, Kashyap et al. "Standard-compliant multiview video coding and streaming for virtual reality applications". *2016 IEEE International Symposium on Multimedia (ISM)*. IEEE. 2017, 295-300. <https://doi.org/10.1109/ISM.2016.0065>
- Repo, Sami, Hannu Laaksonen, and Pertti Järventausta *Statistical short-term network planning of distribution system and distributed generation*. 2005.
- Zemliachenko, Alexander et al. "Still image/video frame lossy compression providing a desired visual quality". *Multidimensional Systems and Signal Processing*. 2016, 27(3). 697-718. <https://doi.org/10.1007/s11045-015-0333-8>
- Emmert-Streib, Frank. "Stochastic Sznajd Model in open community". *International Journal of Modern Physics C*. 2005, 16(11). 1693-1699. <https://doi.org/10.1142/S0129183105008217>
- Mueller, Laurin A. J. et al. "Structural Measures for Network Biology Using QuACN". *BMC Bioinformatics*. 2011. 12(1). <https://doi.org/10.1186/1471-2105-12-492>
- Stenros, Jaakko, Annika Waern and Markus Montola. "Studying the Elusive Experience in Pervasive Games". *SIMULATION AND GAMING*. 2012, 43(3). 339-355. <https://doi.org/10.1177/1046878111422532>
- Tejero-de-Pablos, Antonio et al. "Summarization of User-Generated Sports Video by Using Deep Action Recognition Features". *IEEE Transactions on Multimedia*. 2018, 20(8). 2000-2011. <https://doi.org/10.1109/TMM.2018.2794265>
- Xu, Lei et al. "Switchable unidirectional second-harmonic emission through GaAs nanoantennas". and Mitchell, Arnan Rubinsztein-Dunlop, Halina (editors). *AOS Australian Conference on Optical Fibre Technology, ACOFT 2019 and Australian Conference on Optics, Lasers, and Spectroscopy, ACOLS 2019*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE. 2019. <https://doi.org/10.1117/12.2539887>

Zhou, Zheng et al. "Systematic integration of flowgraph- and module-level parallelism in implementation of DSP applications on multiprocessor systems-on-chip". *ICSP 2012 - 2012 11th International Conference on Signal Processing, Proceedings*. 2012, 402-408. <https://doi.org/10.1109/ICoSP.2012.6491686>

Oftadeh, Reza et al. "System integration for real-time mobile manipulation". *international Journal of Advanced Robotic Systems*. 2014. 11(1). <https://doi.org/10.5772/58467>

Ometov, Aleksandr et al. "System-level analysis of IEEE 802.11ah technology for unsaturated MTC traffic". *International Journal of Sensor Networks*. 2018, 26(4). 269-282. <https://doi.org/10.1504/IJSNET.2018.090480>

Sautter, J. et al. "Tailoring directional scattering of second-harmonic generation from (111)-GaAs nanoantennas". and Mitchell, Arnan Rubinsztein-Dunlop, Halina (editors). *AOS Australian Conference on Optical Fibre Technology, ACOFT 2019 and Australian Conference on Optics, Lasers, and Spectroscopy, ACOLS 2019*. Proceedings of SPIE - The International Society for Optical Engineering. SPIE. 2019. <https://doi.org/10.1117/12.2539086>

Järvelin, Kalervo et al. "Task-based information interaction evaluation: The viewpoint of program theory". *ACM Transactions on Information Systems*. 2015. 33(1). <https://doi.org/10.1145/2699660>

Yunas, Syed Fahad, Waqas H. Ansari, and Mikko Valkama. "Technoeconomical Analysis of Macrocell and Femtocell Based HetNet under Different Deployment Constraints". *Mobile Information Systems*. 2016. 2016. <https://doi.org/10.1155/2016/6927678>

Solomitskii, Dmitrii et al. "Technologies for Efficient Amateur Drone Detection in 5G Millimeter-Wave Cellular Infrastructure". *IEEE Communications Magazine*. 2018, 56(1). 43-50. <https://doi.org/10.1109/MCOM.2017.1700450>

Jumisko-Pyykkö, Satu, Emilia Pesonen and Heli Väättäjä "Temporal dimensions of affect in user experience of digital news in the field". *AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference*. ACM. 2016, 192-197. <https://doi.org/10.1145/2994310.2994370>

Naumenko, Alexey et al. "Texture detection in noisy images by combining several local parameters". *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. 2015, 230-233. <https://doi.org/10.1109/INFOCOMMST.2015.7357321>

Tauriainen, Matti K., Jari A. Puttonen, and Arto J. Saari. "The assessment of constructability: BIM cases". *Journal of Information Technology in Construction*. 2015, 20. 51-67.

Pohjola, Jari, Jari Turunen, and Tarmo Lipping *The effect of lake bottom sediment layers on radionuclide transport from bedrock to biosphere and doses to humans*. 2017. 2 p.

Peltokangas, Mikko et al. "The effect of percutaneous transluminal angioplasty of superficial femoral artery on pulse wave features". *Computers in Biology and Medicine*. 2018, 96. 274-282. <https://doi.org/10.1016/j.compbiomed.2018.04.003>

Shahshahan, Mohsen, Pasi Keinänen, and Jyrki Vuorinen. "The Effect of Ultrasonic Dispersion on the Surface Chemistry of Carbon Nanotubes in the Jeffamine D-230 Polyetheramine Medium". *IEEE Transactions on Nanotechnology*. 2017, 16(5). 741-744. <https://doi.org/10.1109/TNANO.2017.2691904>

Hyrnsalmi, Sami et al. "The emerging application ecosystems: An introductory analysis of android ecosystem". *INTERNATIONAL JOURNAL OF E-BUSINESS RESEARCH*. 2014, 10(2). 61-81. <https://doi.org/10.4018/ijebr.2014040104>

Yoo, Seong Ki et al. "The Fisher-Snedecor F Distribution: A Simple and Accurate Composite Fading Model". *IEEE Communications Letters*. 2017, 21(7). 1661-1664. <https://doi.org/10.1109/LCOMM.2017.2687438>



Akyildiz, I. F. et al. "The internet of Bio-Nano things". *IEEE Communications Magazine*. 2015, 53(3). 32-40. <https://doi.org/10.1109/MCOM.2015.7060516>

Andreev, Sergey and Ciprian Dobre. "The Internet of Things and Sensor Networks". *IEEE Communications Magazine*. 2019, 57(9). 70-70. <https://doi.org/10.1109/MCOM.2019.8847229>

Michalás, Antonis and Nikos Komninos "The lord of the sense: A privacy preserving reputation system for participatory sensing applications". *2014 IEEE Symposium on Computers and Communications, ISCC 2014 - Proceedings*. Institute of Electrical and Electronics Engineers Inc. 2014. <https://doi.org/10.1109/ISCC.2014.6912480>

Caglayan, Humeyra and Ekmel Ozbay "The magical world of metamaterials". *Photonic Materials, Devices, and Applications III*. Proceedings of SPIE. 2009. <https://doi.org/10.1117/12.821407>

Yi, Xiaohua et al. "Thermal effects on a passive wireless antenna sensor for strain and crack sensing". *Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2012*. 2012. <https://doi.org/10.1117/12.914833>

Yi, Xiaohua et al. "Thickness variation study of RFID-based folded patch antennas for strain sensing". *Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2011*. 2011. <https://doi.org/10.1117/12.879868>

Akpınar, Ugur et al. "Thin form-factor super multiview head-up display system". *Stereoscopic Displays and Applications XXX*. IS&T International Symposium on Electronic Imaging. 2019. <https://doi.org/10.2352/ISSN.2470-1173.2019.3.SDA-631>

Orsino, Antonino et al. "Time-Dependent Energy and Resource Management in Mobility-Aware D2D-Empowered 5G Systems". *IEEE Wireless Communications*. 2017, 24(4). 14-22. <https://doi.org/10.1109/MWC.2017.1600393>

Serra, Angela et al. "TinderMIX: Time-dose integrated modelling of toxicogenomics data". *GigaScience*. 2020. 9(5). <https://doi.org/10.1093/gigascience/giaa055>

Emmert-Streib, Frank and Matthias Dehmer "Towards a channel capacity of communication networks". *Proc. - 2008 1st International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems. Medical Applications of the Complex Systems. Biomedical Computing, CANS 2008*. 2008, 94-99. <https://doi.org/10.1109/CANS.2008.19>

Chaudhary, Sunil et al. "Towards a conceptual framework for privacy protection in the use of interactive 360° video surveillance". *2016 22nd International Conference on Virtual System & Multimedia (VSMM)*. IEEE. 2017. <https://doi.org/10.1109/VSMM.2016.7863179>

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

Morasca, Sandro, Davide Taibi and Davide Tosi "Towards certifying the testing process of open-source software: New challenges or old methodologies?". *Proceedings of the 2009 ICSE Workshop on Emerging Trends in Free/Libre/Open Source Software Research and Development, FLOSS 2009*. 2009, 25-30. <https://doi.org/10.1109/FLOSS.2009.5071356>

Seppälä, Jari and Mikko Salmenperä "Towards dependable automation". *Cyber Security: Analytics, Technology and Automation: Part IV*. Intelligent Systems, Control and Automation: Science and Engineering. Springer International Publishing. 2015, 229-249. [https://doi.org/10.1007/978-3-319-18302-2\\_15](https://doi.org/10.1007/978-3-319-18302-2_15)

Dehmer, Matthias et al. "Towards detecting structural branching and cyclicity in graphs: A polynomial-based approach". *Information Sciences*. 2019, 471. 19-28. <https://doi.org/10.1016/j.ins.2018.08.043>

Paladi, Nicolae, Antonios Michalakis and Hai Van Dang "Towards secure cloud orchestration for multi-cloud deployments". *CrossCloud 2018 - 5th Workshop on CrossCloud Infrastructures and Platforms, colocated with EuroSys 2018*. ACM. 2018. <https://doi.org/10.1145/3195870.3195874>

Hästbacka, David and Alois Zoitl "Towards semantic self-description of industrial devices and control system interfaces". *2016 IEEE International Conference on Industrial Technology (ICIT)*. Institute of Electrical and Electronics Engineers IEEE. 2016, 879-884. <https://doi.org/10.1109/ICIT.2016.7474867>

Lobov, Andrei and Karl R. Haapala "Towards sustainable manufacturing by extending Manufacturing Execution System functions". *2019 IEEE International Conference on Industrial Technology, ICIT 2019*. IEEE. 2019, 1329-1335. <https://doi.org/10.1109/ICIT.2019.8755102>

Rantanen, Petri, Pekka Sillberg, and Jari Soini "Towards the Utilization of Crowdsourcing in Traffic Condition Reporting". *2017 40th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2017 - Proceedings*. IEEE. 2017, 985-990. <https://doi.org/10.23919/MIPRO.2017.7973567>

Ometov, Aleksandr et al. "Toward trusted, social-aware D2D connectivity: Bridging across the technology and sociality realms". *IEEE Wireless Communications*. 2016, 23(4). 103-111. <https://doi.org/10.1109/MWC.2016.7553033>

Ruohonen, Jukka, Sami Hyrynsalmi and Ville Leppänen "Trading exploits online: A preliminary case study". *IEEE RCIS 2016 - IEEE 10th International Conference on Research Challenges in Information Science*. IEEE COMPUTER SOCIETY PRESS. 2016. <https://doi.org/10.1109/RCIS.2016.7549301>

Faisal, Ali et al. "Transfer learning using a nonparametric sparse topic model". *Neurocomputing*. 2013, 112. 124-137. <https://doi.org/10.1016/j.neucom.2012.12.038>

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

Korpi, Dani et al. "Transmit Power Optimization and Feasibility Analysis of Self-backhauling Full-Duplex Radio Access Systems". *IEEE Transactions on Wireless Communications*. 2018, 17(6). 4219-4236. <https://doi.org/10.1109/TWC.2018.2821682>

Oulasvirta, Antti et al. "Transparency of intentions decreases privacy concerns in ubiquitous surveillance". *CYBERPSYCHOLOGY BEHAVIOR AND SOCIAL NETWORKING*. 2014, 17(10). <https://doi.org/10.1089/cyber.2013.0585>

Terryn, Louise et al. "Tree species classification using structural features derived from terrestrial laser scanning". *ISPRS Journal of Photogrammetry and Remote Sensing*. 2020, 168. 170-181. <https://doi.org/10.1016/j.isprsjprs.2020.08.009>

Taylor, Jonathon et al. *Tuberculosis transmission: Modelled impact of air-tightness in dwellings in the UK*. 2014. 8 p.

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

Urama, Jani et al. "UAV-Aided Interference Assessment for Private 5G NR Deployments: Challenges and Solutions". *IEEE Communications Magazine*. 2020, 58(8). 89-95. <https://doi.org/10.1109/MCOM.001.2000042>

Noronen, Teppo et al. "Ultra-large mode area single frequency anisotropic MOPA with double clad Yb-doped tapered fiber". *Fiber Lasers XV: Technology and Systems*. Proceedings of SPIE. SPIE, IEEE. 2018. <https://doi.org/10.1117/12.2288942>

Belahcen, Anouar et al. "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*. 2015, 34(3). 624-636. <https://doi.org/10.1108/COMPEL-10-2014-0271>

Pirkkalainen, Henri, Jussi P P Jokinen and Jan M. Pawlowski. "Understanding social OER environments-A quantitative study on factors influencing the motivation to share and collaborate". *IEEE Transactions on Learning Technologies*. 2014, 7(4). 388-400. <https://doi.org/10.1109/TLT.2014.2323970>

Glazko, Galina V. and Frank Emmert-Streib. "Unite and conquer: Univariate and multivariate approaches for finding differentially expressed gene sets". *Bioinformatics*. 2009, 25(18). 2348-2354. <https://doi.org/10.1093/bioinformatics/btp406>