

- Aalto T, Harjanne M, Offrein BJ, Caër C, Neumeier C, Malacarne A, Guina M, Sheehan RN, Peters FH, Melanen P. 2016. Integrating III-V, Si, and polymer waveguides for optical interconnects: RAPIDO. teoksessa *Optical Interconnects XVI*. SPIE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2214786>
- Abdelaziz M, Fu Z, Anttila L, Wyglinski AM, Valkama M. 2016. Digital predistortion for mitigating spurious emissions in spectrally agile radios. *IEEE Communications Magazine*. 54(3):60-69. <https://doi.org/10.1109/MCOM.2016.7432149>
- Abramova VV, Kozhemiakin R, Abramov SK, Lukin VV, Zelensky AA, Egiazarian K. 2015. Blind estimation of speckle variance in synthetic aperture radar images. teoksessa *2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings*. The Institute of Electrical and Electronics Engineers, Inc. <https://doi.org/10.1109/ICATT.2015.7136846>
- AbuJarour S, Pawlowski J, Bick M, Bagucanskyte M, Frankenberg A, Hudak R, Makropoulos C, Pappa D, Pitsilis V, Pirkkalainen H, Tannhauser AC, Trepule E, Vidalis A, Volungeviciene A. 2015. Idea-space: A use case of collaborative course development in higher education. teoksessa *Wissens-Gemeinschaften 2015*. TUDpress Verlag der Wissenschaften GmbH. Sivut 149-156.
- Achimova E, Abaskin V, Claus D, Pedrini G, Shevkunov I, Katkovnik V. 2018. Noise minimized high resolution digital holographic microscopy applied to surface topography. *Computer Optics*. 42(2):267-272. <https://doi.org/10.18287/2412-6179-2018-42-2-267-272>
- Adonias GL, Yastrebova A, Barros MT, Koucheryavy Y, Cleary F, Balasubramaniam S. 2020. Utilizing Neurons for Digital Logic Circuits: A Molecular Communications Analysis. *IEEE Transactions on Nanobioscience*. 19(2):224-236. <https://doi.org/10.1109/TNB.2020.2975942>
- Afolaranmi SO, Gonzalez Moctezuma LE, Rak M, Casola V, Rios E, Martinez Lastra JL. 2016. Methodology to obtain the security controls in multi-cloud applications. teoksessa *CLOSER 2016 - Proceedings of the 6th International Conference on Cloud Computing and Services Science*. SCITEPRESS. Sivut 327-332. <https://doi.org/10.5220/0005912603270332>
- Ainasoja AE, Pertuz S, Kämäräinen J-K. 2019. Smartphone teleoperation for self-balancing telepresence robots. Kerren A, Hurter C, Braz J, Toimittajat. teoksessa *VISIGRAPP 2019 - Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*. SCITEPRESS. Sivut 561-568. <https://doi.org/10.5220/0007406405610568>
- Akpınar U, Sahin E, Suominen O, Gotchev A. 2019. Thin form-factor super multiview head-up display system. teoksessa *Stereoscopic Displays and Applications XXX . (IS&T International Symposium on Electronic Imaging)*. <https://doi.org/10.2352/ISSN.2470-1173.2019.3.SDA-631>
- Akyildiz IF, Pierobon M, Balasubramaniam S, Koucheryavy Y. 2015. The internet of Bio-Nano things. *IEEE Communications Magazine*. 53(3):32-40. <https://doi.org/10.1109/MCOM.2015.7060516>
- Aldawood S, Fowley F, Pahl C, Taibi D, Liu X. 2016. A coordination-based brokerage architecture for multi-cloud resource markets. teoksessa *Proceedings - 2016 4th International Conference on Future Internet of Things and Cloud Workshops, W-FiCloud 2016*. Institute of Electrical and Electronics Engineers Inc. Sivut 7-14. <https://doi.org/10.1109/W-FiCloud.2016.19>
- Alevras I, Karamanakos P, Manias S, Kennel R. 2015. Variable switching point predictive torque control with extended prediction horizon. teoksessa *2015 IEEE International Conference on Industrial Technology, ICIT 2015*. June toim. Institute of Electrical and Electronics Engineers Inc. Sivut 2352-2357. <https://doi.org/10.1109/ICIT.2015.7125445>
- Ali I, Durmush A, Suominen O, Yli-Hietanen J, Peltonen S, Collin J, Gotchev A. 2020. FinnForest dataset: A forest landscape for visual SLAM. *ROBOTICS AND AUTONOMOUS SYSTEMS*. 132. <https://doi.org/10.1016/j.robot.2020.103610>

- Altay G, Kurt Z, Dehmer M, Emmert-Streib F. 2013. Netmes: Assessing gene network inference algorithms by network-based measures. *Evolutionary Bioinformatics*. 10. <https://doi.org/10.4137/EBO.S13481>
- Altay G, Emmert-Streib F. 2010. Inferring the conservative causal core of gene regulatory networks. *BMC Systems Biology*. 4. <https://doi.org/10.1186/1752-0509-4-132>
- Altay G, Emmert-Streib F. 2010. Revealing differences in gene network inference algorithms on the network level by ensemble methods. *Bioinformatics*. 26(14):1738-1744. <https://doi.org/10.1093/bioinformatics/btq259>
- Aluigi L, Thai TT, Tentzeris MM, Roselli L, Alimenti F. 2013. Chip-to-package wireless power transfer and its application to mm-Wave antennas and monolithic radiometric receivers. *teoksessa RSW 2013 - 2013 IEEE Radio and Wireless Symposium - RWW 2013*. Sivut 202-204. <https://doi.org/10.1109/RWS.2013.6486688>
- Amato G, Falchi F, Gennaro C, Massoli FV, Passalis N, Tefas A, Trivilini A, Vairo C. 2019. Face verification and recognition for digital forensics and information security. *Varol A, Karabatak M, Varol C, Teke S, Toimittajat. teoksessa 7th International Symposium on Digital Forensics and Security, ISDFS 2019. IEEE.* <https://doi.org/10.1109/ISDFS.2019.8757511>
- Andreev S, Hosek J, Olsson T, Johnsson K, Pyattaev A, Ometov A, Olshannikova E, Gerasimenko M, Masek P, Koucheryavy Y, Mikkonen T. 2016. A unifying perspective on proximity-based cellular-assisted mobile social networking. *IEEE Communications Magazine*. 54(4):108-116. <https://doi.org/10.1109/MCOM.2016.7452274>
- Andreev S, Galinina O, Pyattaev A, Hosek J, Masek P, Yanikomeroglu H, Koucheryavy Y. 2016. Exploring synergy between communications, caching, and computing in 5G-grade deployments. *IEEE Communications Magazine*. 54(8):60-69. <https://doi.org/10.1109/MCOM.2016.7537178>
- Andreev S, Dobre C. 2019. The Internet of Things and Sensor Networks. *IEEE Communications Magazine*. 57(9):70-70. <https://doi.org/10.1109/MCOM.2019.8847229>
- Andreev S, Petrov V, Huang K, Lema MA, Dohler M. 2019. Dense Moving Fog for Intelligent IoT: Key Challenges and Opportunities. *IEEE Communications Magazine*. 57(5):34-41. <https://doi.org/10.1109/MCOM.2019.1800226>
- Andreev S, Petrov V, Dohler M, Yanikomeroglu H. 2019. Future of Ultra-Dense Networks Beyond 5G: Harnessing Heterogeneous Moving Cells. *IEEE Communications Magazine*. 57(6):66-92. <https://doi.org/10.1109/MCOM.2019.1800056>
- Andreev S, Dobre C, Misra P. 2020. Internet of Things and Sensor Networks. *IEEE Communications Magazine*. 58(2):34-34. <https://doi.org/10.1109/MCOM.2020.8999424>
- Araniti G, Orsino A, Militano L, Putrino G, Andreev S, Koucheryavy Y, Iera A. 2017. Novel D2D-based relaying method for multicast services over 3GPP LTE-A systems. *teoksessa 2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017. IEEE.* <https://doi.org/10.1109/BMSB.2017.7986137>
- Atakan B, Akan OB, Balasubramaniam S. 2012. Body area nanonetworks with molecular communications in nanomedicine. *IEEE Communications Magazine*. 50(1):28-34. <https://doi.org/10.1109/MCOM.2012.6122529>
- Aubert H, Chebila F, Jatlaoui M, Thai T, Hallil H, Traille A, Bouaziz S, Rifai A, Pons P, Menini P, Tentzeris M. 2012. Wireless sensing and identification of passive electromagnetic sensors based on millimetre-wave FMCW RADAR. *teoksessa 2012 IEEE International Conference on RFID-Technologies and Applications, RFID-TA 2012. Sivut 398-403.* <https://doi.org/10.1109/RFID-TA.2012.6404554>
- Aytekin C, Rezaeitabar Y, Dogru S, Ulusoy I. 2015. Railway fastener inspection by real-time machine vision. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*. 45(7):1101-1107. <https://doi.org/10.1109/TSMC.2014.2388435>

- Babahajiani P, Fan L, Kämäräinen J-K, Gabbouj M. 2017. Urban 3D segmentation and modelling from street view images and LiDAR point clouds. *Machine Vision and Applications*. 28(7):679–694. <https://doi.org/10.1007/s00138-017-0845-3>
- Balasubramaniam S, Jornet JM, Pierobon M, Koucheryavy Y. 2016. Guest editorial special issue on the internet of nano things. *IEEE Internet of Things Journal*. 3(1):1-3. <https://doi.org/10.1109/JIOT.2016.2516838>
- Balasubramaniam S, Leibnitz K, Lio P, Botvich D, Murata M. 2011. Biological principles for future Internet architecture design. *IEEE Communications Magazine*. 49(7):44-52. <https://doi.org/10.1109/MCOM.2011.5936154>
- Balasubramaniam S, Wirdatmadja SA, Barros MT, Koucheryavy Y, Stachowiak M, Jornet JM. 2018. Wireless Communications for Optogenetics-Based Brain Stimulation: Present Technology and Future Challenges. *IEEE Communications Magazine*. 56(7):218-224. <https://doi.org/10.1109/MCOM.2018.1700917>
- Baldassarre MT, Lenarduzzi V, Romano S, Saarimäki N. 2020. On the diffuseness of technical debt items and accuracy of remediation time when using SonarQube. *Information and Software Technology*. 128. <https://doi.org/10.1016/j.infsof.2020.106377>
- Bardinova Y, Zhidanov K, Bezzateev S, Komarov M, Ometov A. 2020. Measurements of Mobile Blockchain Execution Impact on Smartphone Battery. *Data*. 5(3). <https://doi.org/10.3390/data5030066>
- Barneto CB, Anttila L, Fleischer M, Valkama M. 2019. OFDM radar with LTE waveform: Processing and performance. teoksessa 2019 IEEE Radio and Wireless Symposium, RWS 2019. IEEE COMPUTER SOCIETY PRESS. (IEEE Radio and Wireless Symposium, RWS). <https://doi.org/10.1109/RWS.2019.8714410>
- Basole RC, Huhtamäki J, Still K, Russell MG. 2016. Visual decision support for business ecosystem analysis. *Expert Systems with Applications*. 65:271-282. <https://doi.org/10.1016/j.eswa.2016.08.041>
- Battisti F, Carli M, Stramacci A, Boev A, Gotchev A. 2015. A perceptual quality metric for high-definition stereoscopic 3D video. teoksessa *Image Processing: Algorithms and Systems XIII*. SPIE. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2086901>
- Battisti F, Carli M, De Paola E, Egiazarian K. 2018. Deep p-Fibonacci scattering networks. teoksessa *Electronic Imaging: Image Processing: Algorithms and Systems XVI*. Society for Imaging Science and Technology. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-193>
- Begishev VO, Sopin ES, Molchanov DA, Samouylov AK, Gaidamaka YV, Samouylov KE. 2019. Performance evaluation of bandwidth reservation for mmWave 5G NR systems. *Informatsionno-Upravliaiushchie Sistemy*. (5):51-63. <https://doi.org/10.31799/1684-8853-2019-5-51-63>
- Belahcen A, Fonteyn K, Kouhia R, Rasilo P, Arkkio A. 2013. Magnetomechanical coupled FE simulations of rotating electrical machines. *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*. 32(5):1484-1499. <https://doi.org/10.1108/COMPEL-04-2013-0109>
- Belahcen A, Rasilo P, Nguyen TT, Clénet S. 2015. Uncertainty propagation of iron loss from characterization measurements to computation of electrical machines. *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*. 34(3):624-636. <https://doi.org/10.1108/COMPEL-10-2014-0271>
- Berlinicke CA, Ackermann CF, Chen SH, Schulze C, Shafranovich Y, Myneni S, Patel VL, Wang J, Zack DJ, Lindvall M, Bova GS. 2012. High-content screening data management for drug discovery in a small- to medium- size laboratory: Results of a collaborative pilot study focused on user expectations as indicators of effectiveness. *JALA: JOURNAL OF LABORATORY AUTOMATION*. 17(4):255-265. <https://doi.org/10.1177/2211068211431207>

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

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

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

Bulling A, Duchowski AT, Majaranta P. 2011. PETMEI 2011: The 1st international workshop on pervasive eye tracking and mobile eye-based interaction. teoksessa UbiComp'11 - Proceedings of the 2011 ACM Conference on Ubiquitous Computing. Sivut 627-628. <https://doi.org/10.1145/2030112.2030248>

Caglayan H, Ozbay E. 2009. The magical world of metamaterials. teoksessa *Photonic Materials, Devices, and Applications III*. (Proceedings of SPIE). <https://doi.org/10.1117/12.821407>

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

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

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

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

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

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

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

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

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

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

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

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

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

Coatanea E, Wu D, Tsarkov V, Gary Wang G, Modi S, Jafarian H. 2018. Knowledge-based artificial neural network (KB-ANN) in engineering: Associating functional architecture modeling, dimensional analysis and causal graphs to produce optimized topologies for KB-ANNs. teoksessa 38th Computers and Information in Engineering Conference. The American Society of Mechanical Engineers ASME. <https://doi.org/10.1115/DETC201885895>

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

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

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

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

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

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

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

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

Dehmer M, Varmuza K, Borgert S, Emmert-Streib F. 2009. On entropy-based molecular descriptors: Statistical analysis of real and synthetic chemical structures. *Journal of Chemical Information and Modeling*. 49(7):1655-1663. <https://doi.org/10.1021/ci900060x>

Dehmer M, Borgert S, Emmert-Streib F. 2008. Network classes and graph complexity measures. *teoksessa 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. Sivut 77-84.* <https://doi.org/10.1109/CANS.2008.17>

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

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

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

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

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

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

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

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

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

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

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

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

- Donohoe M, Jennings B, Jornet JM, Balasubramaniam S. 2017. Nanodevice Arrays for Peripheral Nerve Fascicle Activation Using Ultrasound Energy-harvesting. *IEEE Transactions on Nanotechnology*. 16(6):919-930. <https://doi.org/10.1109/TNANO.2017.2723658>
- Du L, Prasauskas T, Leivo V, Turunen M, Aaltonen A, Kiviste M, Martuzevicius D, Haverinen-Shaughnessy U. 2014. Building energy-efficiency interventions in North-East Europe: Effects on indoor environmental quality and public health. *teoksessa Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate*. International Society of Indoor Air Quality and Climate . Sivut 637-639.
- Egiazarian K, Danielyan A, Ponomarenko N, Foia A, Ieremeiev O, Lukin V. 2017. BM3D-HVS: Content-Adaptive denoising for improved visual quality. *teoksessa Image Processing: Algorithms and Systems XV*. Sivut 48-55. (Electronic Imaging). <https://doi.org/10.2352/ISSN.2470-1173.2017.13.DPMI-083>
- Elfgen S, Rasilo P, Hameyer K. 2020. Hysteresis and eddy-current losses in electrical steel utilising edge degradation due to cutting effects. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*. <https://doi.org/10.1002/jnm.2781>
- Emmert-Streib F, de Matos Simoes R, Glazko G, McDade S, Haibe-Kains B, Holzinger A, Dehmer M, Campbell F. 2014. Functional and genetic analysis of the colon cancer network. *BMC Bioinformatics*. 15(Suppl 6).
- Emmert-Streib F, Dehmer M, Kilian J. 2005. Classification of large graphs by a local tree decomposition. *teoksessa Proceedings of the 2005 International Conference on Data Mining, DMIN'05*. Sivut 200-207.
- Emmert-Streib F, Dehmer M. 2009. Hierarchical coordination of periodic genes in the cell cycle of *Saccharomyces cerevisiae*. *BMC Systems Biology*. 3. <https://doi.org/10.1186/1752-0509-3-76>
- Emmert-Streib F, Dehmer M. 2009. Information processing in the transcriptional regulatory network of yeast: Functional robustness. *BMC Systems Biology*. 3. <https://doi.org/10.1186/1752-0509-3-35>
- Emmert-Streib F, Dehmer M. 2008. Robustness in scale-free networks: Comparing directed and undirected networks. *International Journal of Modern Physics C*. 19(5):717-726. <https://doi.org/10.1142/S0129183108012510>
- Emmert-Streib F, Dehmer M. 2008. Towards a channel capacity of communication networks. *teoksessa 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*. Sivut 94-99. <https://doi.org/10.1109/CANS.2008.19>
- Emmert-Streib F, Dehmer M. 2007. Nonlinear time series prediction based on a power-law noise model. *International Journal of Modern Physics C*. 18(12):1839-1852. <https://doi.org/10.1142/S0129183107011765>
- Emmert-Streib F, Dehmer M. 2007. Global information processing in gene networks: Fault tolerance. *teoksessa Proceedings of the Bio-Inspired Models of Network, Information, and Computing Systems, Bionetics 2007*. Sivut 326-329. <https://doi.org/10.1109/BIMNICS.2007.4610138>
- Emmert-Streib F. 2006. A heterosynaptic learning rule for neural networks. *International Journal of Modern Physics C*. 17(10):1501-1520. <https://doi.org/10.1142/S0129183106009916>
- Emmert-Streib F. 2005. Stochastic Sznajd Model in open community. *International Journal of Modern Physics C*. 16(11):1693-1699. <https://doi.org/10.1142/S0129183105008217>
- Emmert-Streib F, Dehmer M, Shi Y. 2016. Fifty years of graph matching, network alignment and network comparison. *Information Sciences*. 346-347:180-197. <https://doi.org/10.1016/j.ins.2016.01.074>

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

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

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

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

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

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

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

Franssila H, Okkonen J, Savolainen R. 2014. Email intensity, productivity and control in the knowledge worker's performance on the desktop. *teoksessa MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services"*. Association for Computing Machinery, Inc. Sivut 19-22. <https://doi.org/10.1145/2676467.2676513>

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

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

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

Gadoura I, Suntio T, Zenger K, Vallittu P. 1999. Soft computing-based controller design for a telecom rectifier. Martikainen J, Toimittaja. *teoksessa SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications*. Institute of Electrical and Electronics Engineers Inc. Sivut 80-85. (SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications). <https://doi.org/10.1109/SMCIA.1999.782712>

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- González-Díaz I, Birinci M, Díaz-De-María F, Delp EJ. 2017. Neighborhood Matching for Image Retrieval. IEEE Transactions on Multimedia. 19(3):544-558. <https://doi.org/10.1109/TMM.2016.2616298>
- Goranko V, Kuusisto A, Rönholm R. 2020. Game-theoretic semantics for ATL⁺ with applications to model checking. Information and Computation. <https://doi.org/10.1016/j.ic.2020.104554>
- Habib M, Rasheed S, Hussain A, Ali M. 2016. Random Value Impulse Noise Removal Based on Most Similar Neighbors. teoksessa 2015 13th International Conference on Frontiers of Information Technology (FIT) . IEEE. Sivut 329-333. <https://doi.org/10.1109/FIT.2015.64>
- Häkkinen A, Ribeiro AS. 2015. Estimation of GFP-tagged RNA numbers from temporal fluorescence intensity data. Bioinformatics. 31(1):69-75. <https://doi.org/10.1093/bioinformatics/btu592>
- Häkkinen A, Ribeiro AS. 2016. Characterizing rate limiting steps in transcription from RNA production times in live cells. Bioinformatics. 32(9):1346-1352. <https://doi.org/10.1093/bioinformatics/btv744>
- Hamari J. 2013. Transforming homo economicus into homo ludens: A field experiment on gamification in a utilitarian peer-to-peer trading service. Electronic Commerce Research and Applications. 12(4):236-245. <https://doi.org/10.1016/j.elerap.2013.01.004>
- Hamari J, Hassan L, Dias A. 2018. Gamification, quantified-self or social networking? Matching users' goals with motivational technology. User Modeling and User-Adapted Interaction. 28(1):35-74. <https://doi.org/10.1007/s11257-018-9200-2>
- Hamari J, Malik A, Koski J, Johri A. 2019. Uses and Gratifications of Pokémon Go: Why do People Play Mobile Location-Based Augmented Reality Games?. International Journal of Human-Computer Interaction. 35(9). <https://doi.org/10.1080/10447318.2018.1497115>
- Hästbacka D, Zoitl A. 2016. Towards semantic self-description of industrial devices and control system interfaces. teoksessa 2016 IEEE International Conference on Industrial Technology (ICIT) . Institute of Electrical and Electronics Engineers IEEE. Sivut 879-884. <https://doi.org/10.1109/ICIT.2016.7474867>
- He Y, Pan Z, Yang J, Sun G, Tentzeris MM. 2014. Effect of feeder cable's phase tolerance on the first sidelobe level of base station antenna. teoksessa IWCMC 2014 - 10th International Wireless Communications and Mobile Computing Conference. Institute of Electrical and Electronics Engineers Inc. Sivut 1022-1026. <https://doi.org/10.1109/IWCMC.2014.6906495>
- Hecker K, Clemens W, Lupo D, Breitung S. 2015. Roadmap for organic and printed electronics. teoksessa Smart Systems Integration 2015 - 9th International Conference and Exhibition on Integration Issues of Miniaturized Systems: MEMS, NEMS, ICs and Electronic Components, SSI 2015. Apprimus Verlag. Sivut 125-126.
- Heikkilä J, Martinsuo M, Nenonen S. 2018. Backshoring of production in the context of a small and open Nordic economy. Journal of Manufacturing Technology Management. 29(4):658-675. <https://doi.org/10.1108/JMTM-12-2016-0178>
- Heikkinen J, Gumenyuk R, Rantamäki A, Lyytikäinen J, Leinonen T, Zolotovskii I, Melkumov M, Dianov EM, Okhotnikov OG. 2015. Power and wavelength scaling using semiconductor disk laser - bismuth fiber MOPA systems. Guina M, Toimittaja. teoksessa Vertical External Cavity Surface Emitting Lasers (VECSELs) V. BELLINGHAM: SPIE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2076805>
- Heikkinen JE, Gafurov S, Kopylov S, Minav T, Grebennikov S, Kurbanov A. 2019. Hardware-in-the-loop platform for testing autonomous vehicle control algorithms. Al-Jumeily D, Hind J, Mustafina J, Al-Hajj A, Hussain A, Magid E, Tawfik H, Toimittajat. teoksessa Proceedings - 12th International Conference on the Developments in eSystems Engineering, DeSE 2019. IEEE. Sivut 906-911. (International Conference on Developments in eSystems Engineering, DeSE). <https://doi.org/10.1109/DeSE.2019.00168>

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Ivanov S, Botvich D, Balasubramaniam S. 2011. On delay distribution in IEEE 802.11 wireless networks. teoksessa 16th IEEE Symposium on Computers and Communications, ISCC'11. Sivut 254-256. <https://doi.org/10.1109/ISCC.2011.5983849>
- Ivanov P, Raitoharju M, Piché R. 2018. Kalman-Type Filters and Smoothers for Pedestrian Dead Reckoning. teoksessa IPIN 2018 - 9th International Conference on Indoor Positioning and Indoor Navigation. IEEE. <https://doi.org/10.1109/IPIN.2018.8533753>
- Jameel F, Chang Z, Huang J, Ristaniemi T. 2019. Internet of Autonomous Vehicles: Architecture, Features, and Socio-Technological Challenges. IEEE Wireless Communications. 26(4):21-29. <https://doi.org/10.1109/MWC.2019.1800522>
- Järvelin K, Vakkari P, Arvola P, Baskaya F, Järvelin A, Kekäläinen J, Keskustalo H, Kumpulainen S, Saastamoinen M, Savolainen R, Sormunen E. 2015. Task-based information interaction evaluation: The viewpoint of program theory. ACM Transactions on Information Systems. 33(1). <https://doi.org/10.1145/2699660>
- Järvinen H, Honkanen M, Järvenpää M, Peura P. 2018. Effect of paint baking treatment on the properties of press hardened boron steels. Journal of Materials Processing Technology. 252:90-104. <https://doi.org/10.1016/j.jmatprotec.2017.08.027>
- Jin M, Zhou X, Zhang ZM, Tentzeris MM. 2012. Short-term power load forecasting using grey correlation contest modeling . Expert Systems with Applications. 39(1):773-779. <https://doi.org/10.1016/j.eswa.2011.07.072>
- Jokela T, Väättäjä H, Koponen T. 2009. Mobile Journalist Toolkit: A field study on producing news articles with a mobile device. teoksessa MindTrek 2009 - 13th International Academic MindTrek Conference: Everyday Life in the Ubiquitous Era. Sivut 45-52. <https://doi.org/10.1145/1621841.1621851>
- Joshy A, Dsouza R, Muthirulan V, Sachidananda KH. 2019. Experimental analysis on the turning of aluminum alloy 7075 based on Taguchi method and artificial neural network. Journal Europeen des Systemes Automatises. 52(5):429-437. <https://doi.org/10.18280/jesa.520501>
- Juhola M, Joutsijoki H, Varpa K, Saarikoski J, Rasku J, Iltanen K, Laurikkala J, Hyyro H, Avalos-Salguero J, Siirtola H, Penttinen K, Aalto-Setälä K. 2014. On computation of calcium cycling anomalies in cardiomyocytes data. teoksessa 2014 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2014. Institute of Electrical and Electronics Engineers Inc. Sivut 1444-1447. <https://doi.org/10.1109/EMBC.2014.6943872>
- Jumisko-Pyykkö S, Pesonen E, Väättäjä H. 2016. Temporal dimensions of affect in user experience of digital news in the field. teoksessa AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM. Sivut 192-197. <https://doi.org/10.1145/2994310.2994370>
- Jylhä H, Hamari J. 2020. Development of measurement instrument for visual qualities of graphical user interface elements (VISQUAL): a test in the context of mobile game icons. User Modeling and User-Adapted Interaction. <https://doi.org/10.1007/s11257-020-09263-7>
- Kahle H, Penttinen JP, Phung HM, Rajala P, Tukiainen A, Ranta S, Guina M. 2019. MECSELS with direct emission in the 760 nm to 810 nm spectral range: A single- and double-side pumping comparison and high-power continuous-wave operation. Keller U, Toimittaja. teoksessa Vertical External Cavity Surface Emitting Lasers (VECSELS) IX. SPIE, IEEE. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2512111>
- Kalb H, Pirkkalainen H, Pawlowski J, Schoop E. 2011. Influence factors for sharing open science and open educational resources through social networking services. teoksessa 6th Conference on Professional Knowledge Management: From Knowledge to Action - Proceedings. Gesellschaft für Informatik (GI). Sivut 23-32.
- Kammachi-Sreedhar K, Aminlou A, Hannuksela MM, Gabbouj M. 2017. Viewport-adaptive encoding and streaming of 360-degree video for virtual reality applications. teoksessa 2016 IEEE International Symposium on Multimedia (ISM). IEEE. Sivut 583-586. <https://doi.org/10.1109/ISM.2016.0126>

- Kammachi-Sreedhar K, Aminlou A, Hannuksela MM, Gabbouj M. 2017. Standard-compliant multiview video coding and streaming for virtual reality applications. teoksessa 2016 IEEE International Symposium on Multimedia (ISM). IEEE. Sivut 295-300. <https://doi.org/10.1109/ISM.2016.0065>
- Kanellis G, Oksanen A, Kontinen J. 2020. Adjoint-based optimization in the development of low-emission industrial boilers . Engineering Optimization. <https://doi.org/10.1080/0305215X.2020.1781842>
- Kantola E, Leinonen T, Ranta S, Tavast M, Guina M. 2014. Pulsed high-power yellow-orange VECSEL. teoksessa Photonics Europe 2014, Semiconductor Lasers and Laser Dynamics VI, April 14-17, 2014, Brussels, Belgium. Proceedings of SPIE. SPIE. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2054716>
- Kantola E, Leinonen T, Ranta S, Tavast M, Penttinen J-P, Guina M. 2015. 1180nm VECSEL with 50 W output power. teoksessa Proceedings of SPIE - The International Society for Optical Engineering. SPIE. <https://doi.org/10.1117/12.2079480>
- Karamanakos P, Pavlou K, Manias S. 2014. An enumeration-based model predictive control strategy for the cascaded H-bridge multilevel rectifier. IEEE Transactions on Industrial Electronics. 61(7):3480-3489. <https://doi.org/10.1109/TIE.2013.2278965>
- Karamanakos P, Stolze P, Kennel R, Manias S, Mouton T. 2013. Variable switching point predictive torque control. teoksessa Proceedings - 2013 IEEE International Conference on Industrial Technology, ICIT 2013. Sivut 422-427. <https://doi.org/10.1109/ICIT.2013.6505709>
- Karavirta V, Ihantola P, Koskinen T. 2013. Service-oriented approach to improve interoperability of e-learning systems. teoksessa Proceedings - 2013 IEEE 13th International Conference on Advanced Learning Technologies, ICAALT 2013. Sivut 341-345. <https://doi.org/10.1109/ICALT.2013.105>
- Karioja P, Alajoki T, Cherchi M, Ollila J, Harjanne M, Heinilehto N, Suomalainen S, Zia N, Tuorila H, Viheriälä J, Guina M, Buczynski R, Kasztelanec R, Salo T, Virtanen S, Kluczynski P, Borgen L, Ratajczyk M, Kalinowski P. 2018. Integrated multi-wavelength mid-IR light source for gas sensing. teoksessa Next-Generation Spectroscopic Technologies XI. SPIE, IEEE. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2305712>
- Kärkkäinen H, Myllärniemi J, Okkonen J, Silventoinen A. 2014. Maturity assessment for implementing and using product lifecycle management in project-oriented engineering companies. International Journal of Electronic Business. 11(2):176-198. <https://doi.org/10.1504/IJEB.2014.060218>
- Karppi T, Sotamaa O. 2012. Rethinking Playing Research: DJ HERO and Methodological Observations in the Mix. SIMULATION AND GAMING. 43(3):413-429. <https://doi.org/10.1177/1046878111434263>
- Kartasalo K, Latonen L, Vihinen J, Visakorpi T, Nykter M, Ruusuvoori P. 2018. Comparative analysis of tissue reconstruction algorithms for 3D histology. Bioinformatics. 34(17):3013-3021. <https://doi.org/10.1093/bioinformatics/bty210>
- Katasonov A, Lastusilta T, Korvola T, Saari L, Bendas D, Mohammed WM, Lee AN. 2018. An approach to production scheduling optimization a case of an oil lubrication and hydraulic systems manufacturer. teoksessa 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings. IEEE. Sivut 1123-1130. <https://doi.org/10.1109/ICE.2017.8280007>
- Katkovnik V, Shevkunov I, Petrov NV, Egiazarian K. 2017. Computational wavelength resolution for in-line lensless holography: Phase-coded diffraction patterns and wavefront group-sparsity. teoksessa Digital Optical Technologies 2017. SPIE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2269327>

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

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

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

Khan S, Saastamoinen J, Huusko J, Nurmi J. 2011. Performance evaluation of distributed NoTA applications on multi-core platforms. teoksessa *Proceedings - 2011 IEEE 2nd International Conference on Networked Embedded Systems for Enterprise Applications, NESEA 2011*. <https://doi.org/10.1109/NESEA.2011.6144931>

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Leppänen L, Leinonen J, Ihantola P, Hellas A. 2017. Predicting academic success based on learning material usage. teoksessa SIGITE 2017 - Proceedings of the 18th Annual Conference on Information Technology Education. ACM. Sivut 13-18. <https://doi.org/10.1145/3125659.3125695>
- Li X, You C, Andreev S, Gong Y, Huang K. 2018. Optimizing wirelessly powered crowd sensing: Trading energy for data. teoksessa 2018 IEEE International Conference on Communications Workshops. IEEE. Sivut 1-6. <https://doi.org/10.1109/ICCW.2018.8403562>
- Li S, Bariah L, Muhaidat S, Sofotasios P, Liang J, Wang A. 2019. Error analysis of NOMA-based user cooperation with SWIPT. teoksessa Proceedings - 15th Annual International Conference on Distributed Computing in Sensor Systems, DCOSS 2019. IEEE. Sivut 507-513. <https://doi.org/10.1109/DCOSS.2019.00098>
- Liang Y, Ma L, Wang J, Wang G. 2015. Multistep reactions of water with small Pd_n clusters: A first principles study. *Journal of Theoretical and Computational Chemistry*. 14(3). <https://doi.org/10.1142/S0219633615500170>
- Liimatainen K, Kananen L, Latonen L, Ruusuvoori P. 2019. Iterative unsupervised domain adaptation for generalized cell detection from brightfield z-stacks. *BMC Bioinformatics*. 20(1). <https://doi.org/10.1186/s12859-019-2605-z>
- Lin Z, Le T, Song X, Yao Y, Li Z, Moon KS, Tentzeris MM, Wong CP. 2013. Preparation of water-based carbon nanotube inks and application in the inkjet printing of carbon nanotube gas sensors. *Journal of Electronic Packaging*. 135(1). <https://doi.org/10.1115/1.4023758>
- Linna P, Mäkinen T, Keto H. 2016. Utilizing MOOCs in the development of education and training programs. teoksessa 2016 39th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2016 - Proceedings. Sivut 861-864. <https://doi.org/10.1109/MIPRO.2016.7522260>
- Liuhanen S, Sallisalmi M, Pettilä V, Oksala N, Tenhunen J. 2013. Indirect measurement of the vascular endothelial glycocalyx layer thickness in human submucosal capillaries with a plug-in for ImageJ. *Computer Methods and Programs in Biomedicine*. 110(1):38-47. <https://doi.org/10.1016/j.cmpb.2012.10.019>
- Lobov A, Haapala KR. 2019. Towards sustainable manufacturing by extending Manufacturing Execution System functions . teoksessa 2019 IEEE International Conference on Industrial Technology, ICIT 2019. IEEE. Sivut 1329-1335. <https://doi.org/10.1109/ICIT.2019.8755102>
- Lohan ES, Koivisto M, Galinina O, Andreev S, Tölli A, Destino G, Costa M, Leppänen K, Koucheryavy Y, Valkama M. 2018. Benefits of Positioning-Aided Communication Technology in High-Frequency Industrial IoT. *IEEE Communications Magazine*. 56(12):142-148. <https://doi.org/10.1109/MCOM.2018.1701057>
- Loloei AZ, Mohammadi Aref M, Taghirad HD. 2009. Wrench feasible workspace analysis of cable-driven parallel manipulators using LMI approach. teoksessa IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM. Sivut 1034-1039. <https://doi.org/10.1109/AIM.2009.5229723>
- Lu X, Petrov V, Moltchanov D, Andreev S, Mahmoodi T, Dohler M. 2019. 5G-U: Conceptualizing Integrated Utilization of Licensed and Unlicensed Spectrum for Future IoT. *IEEE Communications Magazine*. 57(7):92-98. <https://doi.org/10.1109/MCOM.2019.1800663>
- Luhtala M, Karvonen T, Pylväs J, Ala-Kokko A, Magica R, Takeda Y, Turunen M. 2015. Antroposeeni - A mixed reality game. teoksessa ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference. Association for Computing Machinery, Inc. Sivut 211-213. <https://doi.org/10.1145/2818187.2818287>
- Luhtala M, Heimonen T, Mäkelä V, Keskinen T, Turunen M, Saarinen S. 2014. DYNAMO sound engine - Exploring the aesthetics of dynamic sound interactions. teoksessa MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc. Sivut 159-166. <https://doi.org/10.1145/2676467.2676522>

- Lukin VV, Ponomarenko NN, Ieremeiev O, Egiazarian K, Astola J. 2015. Combining full-reference image visual quality metrics by neural network. teoksessa Proceedings of SPIE - The International Society for Optical Engineering. SPIE. <https://doi.org/10.1117/12.2085465>
- Lunden O-P, Paldanius T. 2019. Linearization of BJTs with logarithmic predistortion. teoksessa 2019 IEEE Radio and Wireless Symposium, RWS 2019. IEEE. (IEEE Radio and Wireless Symposium, RWS). <https://doi.org/10.1109/RWS.2019.8714520>
- Lwakatare LE, Kilamo T, Karvonen T, Sauvola T, Heikkilä V, Itkonen J, Kuvaja P, Mikkonen T, Oivo M, Lassenius C. 2019. DevOps in practice: A multiple case study of five companies. Information and Software Technology. 114:217-230. <https://doi.org/10.1016/j.infsof.2019.06.010>
- Ma L, Atta-Fynn R, Ray AK. 2012. Elemental and mixed actinide dioxides: An ab initio study. Journal of Theoretical and Computational Chemistry. 11(3):611-629. <https://doi.org/10.1142/S021963361250040X>
- Ma H, Yu S, Gabbouj M, Mueller P. 2018. Guest Editorial Special Issue on Multimedia Big Data in Internet of Things. IEEE Internet of Things Journal. 5(5):3405-3407. <https://doi.org/10.1109/JIOT.2018.2875580>
- Mäenpää H, Mäkinen S, Kilamo T, Mikkonen T, Männistö T, Ritala P. 2018. Organizing for openness: six models for developer involvement in hybrid OSS projects. Journal of Internet Services and Applications. 9(1). <https://doi.org/10.1186/s13174-018-0088-1>
- Mahmoodpour M, Lobov A, Lanz M, Mäkelä P, Rundas N. 2018. Role-based visualization of industrial IoT-based systems . teoksessa 2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018. IEEE. <https://doi.org/10.1109/MESA.2018.8449183>
- Maina MR, Okamoto Y, Okada A, Närhi M, Kangastupa J, Vihinen J. 2018. High surface quality welding of aluminum using adjustable ring-mode fiber laser. Journal of Materials Processing Technology. 258:180-188. <https://doi.org/10.1016/j.jmatprotec.2018.03.030>
- Mäkelä V, Korhonen H, Ojala J, Järvi A, Väänänen K, Raisamo R, Turunen M. 2016. Investigating mid-air gestures and handhelds in motion tracked environments. teoksessa PerDis 2016 - Proceedings of the 5th ACM International Symposium on Pervasive Displays. ACM. Sivut 45-51. <https://doi.org/10.1145/2914920.2915015>
- Mäkelä V, Linna J, Keskinen T, Hakulinen J, Turunen M. 2019. Acceptance and perceptions of interactive location-tracking displays. Gentile V, Cauchard JR, Toimittajat. teoksessa Pervasive Displays 2019 - 8th ACM International Symposium on Pervasive Displays, PerDis 2019. ACM. <https://doi.org/10.1145/3321335.3324931>
- Mäki AJ, Verho J, Kreutzer J, Ryyänen T, Rajan D, Pekkanen-Mattila M, Ahola A, Hyttinen J, Aalto-Setälä K, Leikkala J, Kallio P. 2018. A Portable Microscale Cell Culture System with Indirect Temperature Control. SLAS Technology. 23(6):566-579. <https://doi.org/10.1177/2472630318768710>
- Mäkinen J. 2001. Critical study of Newmark-scheme on manifold of finite rotations. Computer Methods in Applied Mechanics and Engineering. 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)
- Mäkinen S, Leppänen M, Kilamo T, Mattila A-L, Laukkanen E, Pagels M, Männistö T. 2016. Improving the delivery cycle: A multiple-case study of the toolchains in Finnish software intensive enterprises. Information and Software Technology. 80:1339-1351. <https://doi.org/10.1016/j.infsof.2016.09.001>
- Mäkinen P, Mononen T, Mattila J. 2018. Inertial Sensor-Based State Estimation of Flexible Links Subject to Bending and Torsion. teoksessa 2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018. IEEE. <https://doi.org/10.1109/MESA.2018.8449188>

- Mäkinen P, Mustalahti P, Launis S, Mattila J. 2020. Redundancy-based visual tool center point pose estimation for long-reach manipulators. teoksessa 2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020. IEEE. Sivut 1387-1393. (IEEE/ASME International Conference on Advanced Intelligent Mechatronics). <https://doi.org/10.1109/AIM43001.2020.9159022>
- Mäkitalo N, Aaltonen T, Mikkonen T. 2016. Coordinating proactive social devices in a mobile cloud: Lessons learned and a way forward. teoksessa MOBILESoft '16 Proceedings of the International Conference on Mobile Software Engineering and Systems . ACM. Sivut 179-188. <https://doi.org/10.1145/2897073.2897079>
- Makni N, Puech P, Colin P, Azzouzi A, Mordon S, Betrouni N. 2012. Elastic image registration for guiding focal laser ablation of prostate cancer: Preliminary results. *Computer Methods and Programs in Biomedicine*. 108(1):213-223. <https://doi.org/10.1016/j.cmpb.2012.04.001>
- Malik A, Dhir A, Kaur P, Johri A. 2020. Correlates of social media fatigue and academic performance decrement: A large cross-sectional study. *INFORMATION TECHNOLOGY AND PEOPLE*. <https://doi.org/10.1108/ITP-06-2019-0289>
- Marcián P, Narra N, Borák L, Chamrad J, Wolff J. 2019. Biomechanical performance of cranial implants with different thicknesses and material properties: A finite element study. *Computers in Biology and Medicine*. 109:43-52. <https://doi.org/10.1016/j.compbiomed.2019.04.016>
- M. Aref M, Oftadeh R, Ghabcheloo R, Mattila J. 2015. Fault tolerant control architecture design for mobile manipulation in scientific facilities. *international Journal of Advanced Robotic Systems*. 12(4). <https://doi.org/10.5772/60038>
- Marshoud H, Sofotasios PC, Muhaidat S, Karagiannidis GK, Sharif BS. 2017. On the Performance of Visible Light Communication Systems with Non-Orthogonal Multiple Access. *IEEE Transactions on Wireless Communications*. 16(10):6350-6364. <https://doi.org/10.1109/TWC.2017.2722441>
- Marshoud H, Muhaidat S, Sofotasios PC, Imran M, Sharif BS, Karagiannidis GK. 2018. Optical Asymmetric Modulation for VLC Systems - Invited Paper. teoksessa 2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018. IEEE. Sivut 1-5. <https://doi.org/10.1109/VTCSpring.2018.8417541>
- Martin F, Singh D, Belahcen A, Rasilo P, Haavisto A, Arkkio A. 2015. Analytical model for magnetic anisotropy of non-oriented steel sheets. *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*. 34(5):1475-1488. <https://doi.org/10.1108/COMPEL-02-2015-0076>
- Martins DP, Leetanasaksakul K, Barros MT, Thamchaipenet A, Donnelly W, Balasubramaniam S. 2018. Molecular Communications Pulse-based Jamming Model for Bacterial Biofilm Suppression. *IEEE Transactions on Nanobioscience*. 17(4):533-542. <https://doi.org/10.1109/TNB.2018.2871276>
- Martins L, Neeli-Venkata R, Oliveira SMD, Häkkinen A, Ribeiro AS, Fonseca JM. 2018. SCIP: a single-cell image processor toolbox. *Bioinformatics*. 34(24):4318-4320. <https://doi.org/10.1093/bioinformatics/bty505>
- Martins DP, Barros MT, Balasubramaniam S. 2019. Quality and Capacity Analysis of Molecular Communications in Bacterial Synthetic Logic Circuits. *IEEE Transactions on Nanobioscience*. <https://doi.org/10.1109/TNB.2019.2930960>
- Mateos X, Loiko P, Lamrini S, Scholle K, Fuhrberg P, Suomalainen S, Härkönen A, Guina M, Vatnik S, Vedin I, Aguiló M, Díaz F, Wang Y, Griebner U, Petrov V. 2018. Highly-efficient Ho:KY(WO₄)₂ thin-disk lasers at 2.06 μm. teoksessa *Pacific-Rim Laser Damage 2018: Optical Materials for High-Power Lasers*. SPIE, IEEE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2316822>
- Matos Simoes RD, Dalleau S, Williamson KE, Emmert-Streib F. 2015. Urothelial cancer gene regulatory networks inferred from large-scale RNAseq, Bead and Oligo gene expression data. *BMC Systems Biology*. 9. <https://doi.org/10.1186/s12918-015-0165-z>

- Mattila A-L, Ihantola P, Kilamo T, Luoto A, Nurminen M, Väättäjä H. 2016. Software visualization today - Systematic literature review. teoksessa AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM. Sivut 262-271. <https://doi.org/10.1145/2994310.2994327>
- Mattila J, Koivumäki J, Caldwell DG, Semini C. 2017. A survey on control of hydraulic robotic manipulators with projection to future trends. IEEE - ASME Transactions on Mechatronics. 22(2):669-680. <https://doi.org/10.1109/TMECH.2017.2668604>
- Mattila J, Semini C, Moon H, Buchli J, Hyon S, Li PY, Yao B. 2017. Guest editorial introduction to the focused section on design and control of hydraulic robots. IEEE - ASME Transactions on Mechatronics. 22(2):585-588. <https://doi.org/10.1109/TMECH.2017.2668611>
- Melekhov I, Ylioinas J, Kannala J, Rahtu E. 2018. Image-Based Localization Using Hourglass Networks. teoksessa 2017 IEEE International Conference on Computer Vision Workshops, ICCVW 2017. IEEE. Sivut 870-877. <https://doi.org/10.1109/ICCVW.2017.107>
- Melekhov I, Tiulpin A, Sattler T, Pollefeys M, Rahtu E, Kannala J. 2019. DGC-Net: Dense geometric correspondence network. teoksessa 2019 IEEE Winter Conference on Applications of Computer Vision, WACV 2019. IEEE. Sivut 1034-1042. (IEEE Winter Conference on Applications of Computer Vision). <https://doi.org/10.1109/WACV.2019.00115>
- Mereuta A, Nechay K, Caliman A, Suruceanu G, Gallo P, Guina M, Kapon E. 2019. 1.55- μm wavelength wafer-fused OP-VECSELs in flip-chip configuration. Keller U, Toimittaja. teoksessa Vertical External Cavity Surface Emitting Lasers (VECSELs) IX. SPIE, IEEE. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2508342>
- Merilampi S, Koivisto A, Virkki J. 2018. Activation game for older adults - Development and initial user experiences. teoksessa 2018 IEEE 6th International Conference on Serious Games and Applications for Health, SeGAH 2018. IEEE. Sivut 1-5. <https://doi.org/10.1109/SeGAH.2018.8401351>
- Mesaros A, Heittola T, Virtanen T. 2016. Metrics for polyphonic sound event detection. Applied Sciences. 6(6). <https://doi.org/10.3390/app6060162>
- Michalas A, Komninos N. 2014. The lord of the sense: A privacy preserving reputation system for participatory sensing applications. teoksessa 2014 IEEE Symposium on Computers and Communications, ISCC 2014 - Proceedings. Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/ISCC.2014.6912480>
- Mikhaylov K, Petrov V, Gupta R, Lema MA, Galinina O, Andreev S, Koucheryavy Y, Valkama M, Pouttu A, Dohler M. 2019. Energy Efficiency of Multi-Radio Massive Machine-Type Communication (MR-MMTC): Applications, Challenges, and Solutions. IEEE Communications Magazine. 57(6):100-106. <https://doi.org/10.1109/MCOM.2019.1800394>
- Milagro J, Gil E, Lazaro J, Seppae VP, Malmberg LP, Pelkonen AS, Kotaniemi-Syrjanen A, Makela M, Viik J, Bailon R. 2018. Nocturnal Heart Rate Variability Spectrum Characterization in Preschool Children with Asthmatic Symptoms. IEEE Journal of Biomedical and Health Informatics. 22(5):1332-1340. <https://doi.org/10.1109/JBHI.2017.2775059>
- Miroshnichenko O, Ponomarenko M, Lukin V, Egiazarian K. 2018. Compression of signs of DCT coefficients for additional lossless compression of JPEG images. teoksessa Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-385>
- Mohammed WM, Ramis Ferrer B, Iarovyi S, Negri E, Fumagalli L, Lobov A, Martinez Lastra JL. 2018. Generic platform for manufacturing execution system functions in knowledge-driven manufacturing systems. International Journal of Computer Integrated Manufacturing. 1-13. <https://doi.org/10.1080/0951192X.2017.1407874>

- Mohammed WM, Ferrer BR, Jose L, Lastra M, Aleixo D, Agostinho C. 2018. Configuring and visualizing the data resources in a cloud-based data collection framework. teoksessa 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings. IEEE. Sivut 1201-1208. <https://doi.org/10.1109/ICE.2017.8280017>
- Mohammed WM, Ferrer BR, Martinez JL, Sanchis R, Andres B, Agostinho C. 2018. A multi-agent approach for processing industrial enterprise data. teoksessa 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings. IEEE. Sivut 1209-1215. <https://doi.org/10.1109/ICE.2017.8280018>
- Moirangthem M, Stumpel JE, Alp B, Teunissen P, Bastiaansen CWM, Schenning APHJ. 2016. Hot pen and laser writable photonic polymer films. teoksessa Emerging Liquid Crystal Technologies XI. SPIE. <https://doi.org/10.1117/12.2209065>
- Mokammel F, Coatanea E, Christophe F, Ba Khouya M, Medyna G. 2013. Towards an approach for evaluating the quality of requirements. teoksessa 33rd Computers and Information in Engineering Conference. American Society of Mechanical Engineers. <https://doi.org/10.1115/DETC2013-13708>
- Moloudian G, Miri Rostami SR, Björninen T. 2020. Modified Wilkinson power divider with harmonics suppression and compact size for GSM applications. International Journal of RF and Microwave Computer-Aided Engineering. <https://doi.org/10.1002/mmce.22209>
- Moltchanov D, Kovalchukov R, Gerasimenko M, Andreev S, Koucheryavy Y, Gerla M. 2019. Socially inspired relaying and proactive mode selection in mmWave vehicular communications. IEEE Internet of Things Journal. 6(3):5172-5183. <https://doi.org/10.1109/JIOT.2019.2898420>
- Morasca S, Taibi D, Tosi D. 2009. Towards certifying the testing process of open-source software: New challenges or old methodologies?. teoksessa Proceedings of the 2009 ICSE Workshop on Emerging Trends in Free/Libre/Open Source Software Research and Development, FLOSS 2009. Sivut 25-30. <https://doi.org/10.1109/FLOSS.2009.5071356>
- Morschheuser B, Hassan L, Werder K, Hamari J. 2018. How to design gamification? A method for engineering gamified software. Information and Software Technology. 95:219-237. <https://doi.org/10.1016/j.infsof.2017.10.015>
- Motlagh HDK, Lotfi F, Taghirad HD, Germi SB. 2019. Position Estimation for Drones based on Visual SLAM and IMU in GPS-denied Environment. teoksessa ICRoM 2019 - 7th International Conference on Robotics and Mechatronics. IEEE. Sivut 120-124. <https://doi.org/10.1109/ICRoM48714.2019.9071826>
- Mueller LAJ, Kugler KG, Graber A, Emmert-Streib F, Dehmer M. 2011. Structural Measures for Network Biology Using QuACN. BMC Bioinformatics. 12(1). <https://doi.org/10.1186/1471-2105-12-492>
- Murayama M, Oguro D, Kikuchi H, Huttunen H, Ho YS, Shin J. 2017. Color-distribution similarity by information theoretic divergence for color images. teoksessa 2016 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference, APSIPA 2016. IEEE. <https://doi.org/10.1109/APSIPA.2016.7820681>
- Mygdalis V, Iosifidis A, Tefas A, Pitas I. 2015. Video summarization based on Subclass Support Vector Data Description. teoksessa IEEE SSCI 2014 - 2014 IEEE Symposium Series on Computational Intelligence - CIES 2014: 2014 IEEE Symposium on Computational Intelligence for Engineering Solutions, Proceedings. The Institute of Electrical and Electronics Engineers, Inc. Sivut 183-187. <https://doi.org/10.1109/CIES.2014.7011849>
- Nanni L, Paci M, Brahnam S, Ghidoni S. 2017. An ensemble of visual features for Gaussians of local descriptors and non-binary coding for texture descriptors. Expert Systems with Applications. 82:27-39. <https://doi.org/10.1016/j.eswa.2017.03.065>
- Nanni L, Maguolo G, Paci M. 2020. Data augmentation approaches for improving animal audio classification. Ecological Informatics. 57. <https://doi.org/10.1016/j.ecoinf.2020.101084>

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

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

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

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

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

Neri M, Campi A, Suffritti R, Grimaccia F, Sinogas P, Guye O, Papin C, Michalareas T, Gazdag L, Rakkolainen I. 2011. SkyMedia - UAV-based capturing of HD/3D content with WSN augmentation for immersive media experiences. teoksessa Electronic Proceedings of the 2011 IEEE International Conference on Multimedia and Expo, ICME 2011. <https://doi.org/10.1109/ICME.2011.6012133>

Neri M, Perttu L, Alanen M, Luscietti D, Pilotelli M. 2020. Safety at chimney-roof penetration: A numerical investigation. Pernigotto G, Patuzzi F, Prada A, Corrado V, Gasparella A, Toimittajat. teoksessa Building Simulation Applications, BSA 2019 - 4th IBPSA-Italy Conference. Free University of Bozen Bolzano. Sivut 123-130. (Building Simulation Applications).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Orsino A, Araniti G, Scopelliti P, Gudkova IA, Samouylov KE, Iera A. 2017. Optimal subgroup configuration for multicast services over 5G-satellite systems. teoksessa 2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017. IEEE. <https://doi.org/10.1109/BMSB.2017.7986134>
- Orsino A, Samuylov A, Moltchanov D, Andreev S, Militano L, Araniti G, Koucheryavy Y. 2017. Time-Dependent Energy and Resource Management in Mobility-Aware D2D-Empowered 5G Systems. *IEEE Wireless Communications*. 24(4):14-22. <https://doi.org/10.1109/MWC.2017.1600393>
- Orsino A, Kovalchukov R, Samuylov A, Moltchanov D, Andreev S, Koucheryavy Y, Valkama M. 2018. Caching-Aided Collaborative D2D Operation for Predictive Data Dissemination in Industrial IoT. *IEEE Wireless Communications*. 25(3):50-57. <https://doi.org/10.1109/MWC.2018.1700320>
- Oulasvirta A, Suomalainen T, Hamari J, Lampinen A, Karvonen K. 2014. Transparency of intentions decreases privacy concerns in ubiquitous surveillance. *CYBERPSYCHOLOGY BEHAVIOR AND SOCIAL NETWORKING*. 17(10). <https://doi.org/10.1089/cyber.2013.0585>
- Ozbay E, Bulu I, Caglayan H. 2006. Labyrinth based left-handed metamaterials and sub-wavelength focusing of electromagnetic waves. teoksessa *Photonic Crystal Materials and Devices IV*. (Proceedings of SPIE). <https://doi.org/10.1117/12.649548>
- Paavilainen J, Hamari J, Stenros J, Kinnunen J. 2013. Social Network Games: Players' Perspectives. *SIMULATION AND GAMING*. 44(6):794-820. <https://doi.org/10.1177/1046878113514808>
- Pajarinen J, Peltonen J, Uusitalo MA. 2011. Fault tolerant machine learning for nanoscale cognitive radio. *Neurocomputing*. 74(5):753-764. <https://doi.org/10.1016/j.neucom.2010.10.007>
- Pajarinen J, Arenz O, Peters J, Neumann G. 2020. Probabilistic approach to physical object disentangling. *IEEE Robotics and Automation Letters*. 5(4):5510-5517. <https://doi.org/10.1109/LRA.2020.3006789>
- Pakkanen J, Juuti T, Lehtonen T. 2016. Brownfield Process: A method for modular product family development aiming for product configuration. *DESIGN STUDIES*. 45B:210-241. <https://doi.org/10.1016/j.destud.2016.04.004>
- Paladi N, Michalas A, Dang HV. 2018. Towards secure cloud orchestration for multi-cloud deployments. teoksessa *CrossCloud 2018 - 5th Workshop on CrossCloud Infrastructures and Platforms, colocated with EuroSys 2018*. ACM. <https://doi.org/10.1145/3195870.3195874>
- Patrona F, Iosifidis A, Tefas A, Nikolaidis N, Pitas I. 2016. Visual Voice Activity Detection in the Wild. *IEEE Transactions on Multimedia*. 18(6):967-977. <https://doi.org/10.1109/TMM.2016.2535357>
- Paunonen L. 2015. Designing controllers with reduced order internal models. *IEEE Transactions on Automatic Control*. 60(3):775-780. <https://doi.org/10.1109/TAC.2014.2329212>
- Paunonen L, Laakkonen P. 2015. Polynomial Input-Output Stability for Linear Systems. *IEEE Transactions on Automatic Control*. 60(10):2797-2802. <https://doi.org/10.1109/TAC.2015.2398890>
- Paunonen L. 2017. Robust Output Regulation for Continuous-Time Periodic Systems. *IEEE Transactions on Automatic Control*. 62(9):4363-4375. <https://doi.org/10.1109/TAC.2017.2654968>
- Peltokangas M, Suominen V, Vakhitov D, Verho J, Korhonen J, Lekkala J, Vehkaoja A, Oksala N. 2018. The effect of percutaneous transluminal angioplasty of superficial femoral artery on pulse wave features. *Computers in Biology and Medicine*. 96:274-282. <https://doi.org/10.1016/j.combiomed.2018.04.003>

- Peltokangas M, Suominen V, Vakhitov D, Korhonen J, Verho J, Mattila VM, Ronsi P, Lekkala J, Vehkaoja A, Oksala N. 2019. Effects of percutaneous transluminal angioplasty of superficial femoral artery on photoplethysmographic pulse transit times. *IEEE Journal of Biomedical and Health Informatics*. 23(3):1058-1065. <https://doi.org/10.1109/JBHI.2018.2851388>
- Pertilä P, Nikunen J. 2015. Distant speech separation using predicted time-frequency masks from spatial features. *Speech Communication*. 68:97-106. <https://doi.org/10.1016/j.specom.2015.01.006>
- Pertuz S, Pulido-Herrera E, Kämäräinen J-K. 2018. Focus model for metric depth estimation in standard plenoptic cameras. *ISPRS Journal of Photogrammetry and Remote Sensing*. 144:38-47. <https://doi.org/10.1016/j.isprsijprs.2018.06.020>
- Petrone G, Romanelli S, Spagnuolo G, Valkealahti S. 2018. Photovoltaic plant cloud shadowing and energy drops in Northern Europe. teoksessa 2018 IEEE International Conference on Industrial Technology (ICIT). IEEE. Sivut 1055-1060. <https://doi.org/10.1109/ICIT.2018.8352324>
- Petrov V, Komarov M, Moltchanov D, Jornet JM, Koucheryavy Y. 2017. Interference and SINR in Millimeter Wave and Terahertz Communication Systems With Blocking and Directional Antennas. *IEEE Transactions on Wireless Communications*. 16(3):1791-1808. <https://doi.org/10.1109/TWC.2017.2654351>
- Petrov V, Kokkonen J, Moltchanov D, Lehtomäki J, Koucheryavy Y, Juntti M. 2018. Last Meter Indoor Terahertz Wireless Access: Performance Insights and Implementation Roadmap. *IEEE Communications Magazine*. 56(6):158-165. <https://doi.org/10.1109/MCOM.2018.1600300>
- Petrov V, Andreev S, Gerla M, Koucheryavy Y. 2018. Breaking the limits in urban video monitoring: Massive crowd sourced surveillance over vehicles. *IEEE Wireless Communications*. 25(5):104-112. <https://doi.org/10.1109/MWC.2018.1700415>
- Petrov V, Fodor G, Kokkonen J, Moltchanov D, Lehtomäki J, Andreev S, Koucheryavy Y, Juntti M, Valkama M. 2019. On Unified Vehicular Communications and Radar Sensing in Millimeter-Wave and Low Terahertz Bands. *IEEE Wireless Communications*. 26(3):146-153. <https://doi.org/10.1109/MWC.2019.1800328>
- Phung HM, Kahle H, Penttinen J-P, Rajala P, Ranta S, Guina M. 2020. A membrane external-cavity surface-emitting laser (MECSEL) with emission around 825 nm. Hastie JE, Toimittaja. teoksessa Vertical External Cavity Surface Emitting Lasers (VECSELs) X. SPIE. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2545980>
- Pirkkalainen H, Jokinen JPP, Pawlowski JM. 2014. Understanding social OER environments-A quantitative study on factors influencing the motivation to share and collaborate. *IEEE Transactions on Learning Technologies*. 7(4):388-400. <https://doi.org/10.1109/TLT.2014.2323970>
- Pirkkalainen H, Salo M, Tarafdar M, Makkonen M. 2019. Deliberate or Instinctive? Proactive and Reactive Coping for Technostress. *Journal of Management Information Systems*. 36(4):1179-1212. <https://doi.org/10.1080/07421222.2019.1661092>
- Pitkänen TP, Raunonen P, Kangas A. 2019. Measuring stem diameters with TLS in boreal forests by complementary fitting procedure. *ISPRS Journal of Photogrammetry and Remote Sensing*. 147:294-306. <https://doi.org/10.1016/j.isprsijprs.2018.11.027>
- Pohjola J, Turunen J, Lipping T. 2017. The effect of lake bottom sediment layers on radionuclide transport from bedrock to biosphere and doses to humans. Julkaisun esittämisaikana: 4th International Conference on Radioecology & Environmental Radioactivity, Berlin, Saksa.

Ponomarenko NN, Lukin VV, Egiazarian KO. 2011. Visually lossless compression of synthetic aperture radar images. teoksessa 8th International Conference on Antenna Theory and Techniques, ICATT'11. Sivut 263-265. <https://doi.org/10.1109/ICATT.2011.6170755>

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

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

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

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

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

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

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

Pulkkinen U, Rantala TT, Rantala TS, Lantto V. 1999. Simulation of oxygen exchange of SnO₂ surface. Computer Physics Communications. 121:720.

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

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

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

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

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

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

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

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

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

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

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

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

Rajan DK, Verho J, Kreutzer J, Valimaki H, Ihalainen H, Lekkala J, Patrikoski M, Miettinen S. 2017. Monitoring pH, temperature and humidity in long-term stem cell culture in CO₂ incubator. teoksessa 2017 IEEE International Symposium on Medical Measurements and Applications (MeMeA). IEEE. Sivut 470-474. <https://doi.org/10.1109/MeMeA.2017.7985922>

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

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

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

Räsänen O, Seshadri S, Karadayi J, Riebling E, Bunce J, Cristia A, Metze F, Casillas M, Rosemberg C, Bergelson E, Soderstrom M. 2019. Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech. *Speech Communication*. 113:63-80. <https://doi.org/10.1016/j.specom.2019.08.005>

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

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

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

Repo S, Laaksonen H, Järventausta P. 2005. Statistical short-term network planning of distribution system and distributed generation. *Julkaisun esittämisaikana: 15th Power Systems Computation Conference, PSCC 2005, Liege, Belgia*.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

https://doi.org/10.1109/Cybermatics_2018.2018.00037

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Taibi D, Lenarduzzi V, Pahl C. 2018. Architectural patterns for microservices: A systematic mapping study. teoksessa CLOSER 2018 - Proceedings of the 8th International Conference on Cloud Computing and Services Science. SCITEPRESS. Sivut 221-232. <https://doi.org/10.5220/0006798302210232>
- Taibi D, Systä K. 2019. From monolithic systems to microservices: A decomposition framework based on process mining. Ferguson D, Munoz VM, Helfert M, Pahl C, Toimittajat. teoksessa CLOSER 2019 - Proceedings of the 9th International Conference on Cloud Computing and Services Science. SCITEPRESS. Sivut 153-164. <https://doi.org/10.5220/0007755901530164>
- Taibi D, El Ioini N, Pahl C, Niederkofler JRS. 2020. Patterns for serverless functions (Function-as-a-Service): A multivocal literature review. Ferguson D, Helfert M, Pahl C, Toimittajat. teoksessa CLOSER 2020 - Proceedings of the 10th International Conference on Cloud Computing and Services Science. SCITEPRESS. Sivut 181-192. <https://doi.org/10.5220/0009578501810192>
- Talvitie J, Levanen T, Koivisto M, Ihalainen T, Pajukoski K, Valkama M. 2019. Positioning and Location-Aware Communications for Modern Railways with 5G New Radio. IEEE Communications Magazine. 57(9):24-30. <https://doi.org/10.1109/MCOM.001.1800954>
- Tarniceriu A, Harju J, Vehkaoja A, Parak J, Delgado-Gonzalo R, Renevey P, Yli-Hankala A, Korhonen I. 2018. Detection of beat-to-beat intervals from wrist photoplethysmography in patients with sinus rhythm and atrial fibrillation after surgery. teoksessa 2018 IEEE EMBS International Conference on Biomedical and Health Informatics, BHI 2018. IEEE. Sivut 133-136. <https://doi.org/10.1109/BHI.2018.8333387>
- Tauriainen MK, Puttonen JA, Saari AJ. 2015. The assessment of constructability: BIM cases. Journal of Information Technology in Construction. 20:51-67.
- Tavakoli HR, Rahtu E, Kannala J, Borji A. 2019. Digging deeper into egocentric gaze prediction. teoksessa 2019 IEEE Winter Conference on Applications of Computer Vision, WACV 2019. IEEE. Sivut 273-282. (IEEE Winter Conference on Applications of Computer Vision). <https://doi.org/10.1109/WACV.2019.00035>
- Tavella F, Giaretta A, Dooley-Cullinane TM, Conti M, Coffey L, Balasubramaniam S. 2019. DNA Molecular Storage System: Transferring Digitally Encoded Information through Bacterial Nanonetworks. IEEE Transactions on Emerging Topics in Computing . <https://doi.org/10.1109/TETC.2019.2932685>
- Taylor J, Altamirano-Medina H, Shrubsole C, Das P, Biddulph P, Davies M, Mavrogianni A, Oikonomou E. 2014. Tuberculosis transmission: Modelled impact of air-tightness in dwellings in the UK. Julkaisun esittämispaikka: 13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014, Hong Kong, Hongkong.
- Taylor J, Biddulph P, Davies M, Ridley I, Mavrogianni A, Oikonomou E, Lai KM. 2013. Using building simulation to model the drying of flooded building archetypes. JOURNAL OF BUILDING PERFORMANCE SIMULATION. 6(2):119-140. <https://doi.org/10.1080/19401493.2012.703243>
- Tejero-de-Pablos A, Nakashima Y, Sato T, Yokoya N, Linna M, Rahtu E. 2018. Summarization of User-Generated Sports Video by Using Deep Action Recognition Features. IEEE Transactions on Multimedia. 20(8):2000-2011. <https://doi.org/10.1109/TMM.2018.2794265>
- Teke B, Lanz M, Kämäräinen J-K, Hietanen A. 2018. Real-time and Robust Collaborative Robot Motion Control with Microsoft Kinect® v2. teoksessa 2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018. IEEE. <https://doi.org/10.1109/MESA.2018.8449156>
- Terry L, Calders K, Disney M, Origo N, Malhi Y, Newnham G, Raunonen P, Åkerblom M, Verbeeck H. 2020. Tree species classification using structural features derived from terrestrial laser scanning. ISPRS Journal of Photogrammetry and Remote Sensing. 168:170-181. <https://doi.org/10.1016/j.isprsjprs.2020.08.009>

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- van Mellaert R, Mela K, Tiainen T, Heinisuo M, Lombaert G, Schevenels M. 2018. Mixed-integer linear programming approach for global discrete sizing optimization of frame structures. *Structural and Multidisciplinary Optimization*. 57(2):579–593. <https://doi.org/10.1007/s00158-017-1770-9>
- Viehrig M, Tuukkanen S, Kallio P. 2016. Challenges and capabilities of conductive polymeric materials for electromechanical stimulation of stem cells: A case study. teoksessa 2016 International Conference on Manipulation, Automation and Robotics at Small Scales, MARSS 2016. Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/MARSS.2016.7561744>
- Viheriälä J, Aho AT, Mäkelä J, Salmi J, Virtanen H, Leinonen T, Dumitrescu M, Guina M. 2016. High-power 1550 nm tapered DBR lasers fabricated using soft UV-nanoimprint lithography. teoksessa High-Power Diode Laser Technology and Applications XIV. SPIE. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2207423>
- Viheriälä J, Tuorila H, Zia N, Cherchi M, Aalto T, Guina M. 2019. 1.3 μ m U-bend traveling wave SOA devices for high efficiency coupling to silicon photonics. Reed GT, Knights AP, Toimittajat. teoksessa Silicon Photonics XIV. SPIE, IEEE. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2505935>
- Vihervaara J, Alapaholuoma T. 2017. Internet of Things: Opportunities for vocational education and training: Presentation of the pilot project. teoksessa CSEDU 2017 - Proceedings of the 9th International Conference on Computer Supported Education. SCITEPRESS. Sivut 476-480. <https://doi.org/10.5220/0006353204760480>
- Vihonen J, Honkakorpi J, Tuominen J, Mattila J, Visa A. 2016. Linear accelerometers and rate gyros for rotary joint angle estimation of heavy-duty mobile manipulators using forward kinematic modeling. *IEEE - ASME Transactions on Mechatronics*. 21(3):1765-1774. <https://doi.org/10.1109/TMECH.2016.2544352>
- Voronin VV, Frantc VA, Marchuk VI, Sherstobitov AI, Egiazarian K. 2015. No-reference visual quality assessment for image inpainting. teoksessa Image Processing: Algorithms and Systems XIII. SPIE. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2076507>
- Voronin VV, Marchuk VI, Fisunov AV, Tokareva SV, Egiazarian KO. 2015. Depth map occlusion filling and scene reconstruction using modified exemplar-based inpainting. teoksessa Image Processing: Algorithms and Systems XIII. SPIE. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2076506>
- Voronin V, Semenishchev E, Ponomarenko M, Agaian S. 2018. Combined local and global image enhancement algorithm . teoksessa Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-220>
- Voronin V, Pismenskova M, Zelensky A, Cen Y, Nadykto A, Egiazarian K. 2018. Action recognition using the 3D dense microblock difference. teoksessa Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies II. SPIE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2326801>
- Vorwerk J, Engwer C, Pursiainen S, Wolters CH. 2017. A Mixed Finite Element Method to Solve the EEG Forward Problem. *IEEE Transactions on Medical Imaging*. 36(4):930-941. <https://doi.org/10.1109/TMI.2016.2624634>
- Voutilainen JP, Mattila AL, Systä K, Mikkonen T. 2016. HTML5-based mobile agents for Web-of-Things. *Informatica*. 40(1):43-51.
- Wang J, Ma L, Liang Y, Gao M, Wang G. 2014. Density functional theory study of transition metals doped B₈₀ fullerene. *Journal of Theoretical and Computational Chemistry*. 13(6). <https://doi.org/10.1142/S0219633614500503>
- Wang W, Talvitie J, Adamova EJ, Fath T, Korenciak L, Valkama M, Lohan ES. 2019. Empowering Heterogeneous Communication Data Links in General Aviation through mmWave Signals. *IEEE Wireless Communications*. 26(6):164-171. <https://doi.org/10.1109/MWC.0001.1800593>

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

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