

- 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>
- Terryn, L., Calders, K., Disney, M., Origo, N., Malhi, Y., Newnham, G., ... 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>
- 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>
- Bardinova, Y., Zhidanov, K., Bezzateev, S., Komarov, M., & Ometov, A. (2020). Measurements of Mobile Blockchain Execution Impact on Smartphone Battery. *Data*, 5(3), [66]. <https://doi.org/10.3390/data5030066>
- Ghorbani, M., Dehmer, M., Cao, S., Feng, L., Tao, J., & Emmert-Streib, F. (2020). On the zeros of the partial Hosoya polynomial of graphs. *Information Sciences*, 524, 199-215. <https://doi.org/10.1016/j.ins.2020.03.011>
- Rostami, S., Kela, P., Leppanen, K., & Valkama, M. (2020). Wake-up Radio-Based 5G Mobile Access: Methods, Benefits, and Challenges. *IEEE Communications Magazine*, 58(7), 14-20. <https://doi.org/10.1109/MCOM.001.1900614>
- Samuylov, A., Moltchanov, D., Kovalchukov, R., Pirmagomedov, R., Gaidamaka, Y., Andreev, S., ... 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. [9003488]. <https://doi.org/10.1109/TWC.2020.2973375>
- Serra, A., Fratello, M., Del Giudice, G., Saarimäki, L. A., Paci, M., Federico, A., & Greco, D. (2020). TinderMIX: Time-dose integrated modelling of toxicogenomics data. *GigaScience*, 9(5). <https://doi.org/10.1093/gigascience/giaa055>
- Adonias, G. L., Yastrebova, A., Barros, M. T., 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>
- Yan, S., Wirta, J., & Kämäräinen, J-K. (2020). Anthropometric clothing measurements from 3D body scans. *Machine Vision and Applications*, 31(1-2), [7]. <https://doi.org/10.1007/s00138-019-01054-4>
- Nanni, L., Maguolo, G., & Paci, M. (2020). Data augmentation approaches for improving animal audio classification. *Ecological Informatics*, 57, [101084]. <https://doi.org/10.1016/j.ecoinf.2020.101084>
- 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>
- Lenk, K., Gleirscher, M., Nestler, S., Rödiger, S., Petersen, T., & Loebel, J. M. (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>
- Gao, H., Tao, J., Dehmer, M., Emmert-Streib, F., Sun, Q., Chen, Z., ... Zhou, Q. (2020). In-flight wind field identification and prediction of parafoil systems. *Applied Sciences (Switzerland)*, 10(6), [1958]. <https://doi.org/10.3390/app10061958>
- Goranko, V., Kuusisto, A., & Rönholm, R. (2020). Game-theoretic semantics for ATL^+ with applications to model checking. *Information and Computation*, [104554]. <https://doi.org/10.1016/j.ic.2020.104554>
- Moloudian, G., Miri Rostami, S. R., & 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*, [e22209]. <https://doi.org/10.1002/mmce.22209>

- 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), [102274]. <https://doi.org/10.1016/j.ipm.2020.102274>
- 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), [102307]. <https://doi.org/10.1016/j.ipm.2020.102307>
- 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>
- 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>
- Baldassarre, M. T., 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, [106377]. <https://doi.org/10.1016/j.infsof.2020.106377>
- Kanellis, G., Oksanen, A., & Konttinen, J. (2020). Adjoint-based optimization in the development of low-emission industrial boilers. *Engineering Optimization*. <https://doi.org/10.1080/0305215X.2020.1781842>
- 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>
- 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, [103610]. <https://doi.org/10.1016/j.robot.2020.103610>
- 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>
- 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>
- Urama, J., Wiren, R., Galinina, O., Kauppi, J., Hiltunen, K., Erkkilä, J., ... 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>
- Wang, W., Talvitie, J., Adamova, E. J., Fath, T., Korenciak, L., Valkama, M., & Lohan, E. S. (2019). Empowering Heterogeneous Communication Data Links in General Aviation through mmWave Signals. *IEEE Wireless Communications*, 26(6), 164-171. [8926332]. <https://doi.org/10.1109/MWC.0001.1800593>
- Deng, S., Tong, J., Lin, Y., Li, H., & Liu, Y. (2019). Motivating scholars' responses in academic social networking sites: An empirical study on ResearchGate Q&A behavior. *INFORMATION PROCESSING AND MANAGEMENT*, 56(6), [102082]. <https://doi.org/10.1016/j.ipm.2019.102082>
- 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>

- Lwakatare, L. E., Kilamo, T., Karvonen, T., Sauvola, T., Heikkilä, V., Itkonen, J., ... 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>
- Räsänen, O., Seshadri, S., Karadayi, J., Riebling, E., Bunce, J., Cristia, A., ... 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>
- Yu, G., Dehmer, M., Emmert-Streib, F., & Jodlbauer, H. (2019). Hermitian normalized Laplacian matrix for directed networks. *Information Sciences*, 495, 175-184. <https://doi.org/10.1016/j.ins.2019.04.049>
- Jameel, F., Chang, Z., Huang, J., & Ristaniemi, T. (2019). Internet of Autonomous Vehicles: Architecture, Features, and Socio-Technological Challenges. *IEEE Wireless Communications*, 26(4), 21-29. [8809655]. <https://doi.org/10.1109/MWC.2019.1800522>
- 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), [e5072]. <https://doi.org/10.1002/cpe.5072>
- Mikhaylov, K., Petrov, V., Gupta, R., Lema, M. A., Galinina, O., Andreev, S., ... 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. [8694791]. <https://doi.org/10.1109/MCOM.2019.1800394>
- 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>
- Andreev, S., Petrov, V., Dohler, M., & Yanikomeroğlu, H. (2019). Future of Ultra-Dense Networks Beyond 5G: Harnessing Heterogeneous Moving Cells. *IEEE Communications Magazine*, 57(6), 66-92. [8722593]. <https://doi.org/10.1109/MCOM.2019.1800056>
- Humaloja, J. P., Kurula, M., & Paunonen, L. (2019). Approximate robust output regulation of boundary control systems. *IEEE Transactions on Automatic Control*, 64(6), 2210-2223. <https://doi.org/10.1109/TAC.2018.2884676>
- Petrov, V., Fodor, G., Kokkonen, J., Moltchanov, D., Lehtomäki, J., Andreev, S., ... Valkama, M. (2019). On Unified Vehicular Communications and Radar Sensing in Millimeter-Wave and Low Terahertz Bands. *IEEE Wireless Communications*, 26(3), 146-153. [8722599]. <https://doi.org/10.1109/MWC.2019.1800328>
- Andreev, S., Petrov, V., Huang, K., Lema, M. A., & Dohler, M. (2019). Dense Moving Fog for Intelligent IoT: Key Challenges and Opportunities. *IEEE Communications Magazine*, 57(5), 34-41. [8648449]. <https://doi.org/10.1109/MCOM.2019.1800226>
- Peltokangas, M., Suominen, V., Vakhitov, D., Korhonen, J., Verho, J., Mattila, V. M., ... Oksala, N. (2019). Effects of percutaneous transluminal angioplasty of superficial femoral artery on photoplethysmographic pulse transit times. *IEEE Journal of Biomedical and Health Informatics*, 23(3), 1058-1065. <https://doi.org/10.1109/JBHI.2018.2851388>
- De Biasi, M., & Lauri, J. (2019). On the complexity of restoring corrupted colorings. *Journal of Combinatorial Optimization*, 37(4), 1150-1169. <https://doi.org/10.1007/s10878-018-0342-2>
- Koivumäki, J., Zhu, W. H., & Mattila, J. (2019). Energy-efficient and high-precision control of hydraulic robots. *Control Engineering Practice*, 85, 176-193. <https://doi.org/10.1016/j.conengprac.2018.12.013>

- Wu, D., Coatanéa, E., & Wang, G. G. (2019). Employing Knowledge on Causal Relationship to Assist Multidisciplinary Design Optimization. *Journal of Mechanical Design, Transactions of the ASME*, 141(4), [041402]. <https://doi.org/10.1115/1.4042342>
- 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), [013049]. <https://doi.org/10.1117/1.JEI.28.1.013049>
- 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), [80]. <https://doi.org/10.1186/s12859-019-2605-z>
- Sievi-Korte, O., Beecham, S., & Richardson, I. (2019). Challenges and recommended practices for software architecting in global software development. *Information and Software Technology*, 106, 234-253. <https://doi.org/10.1016/j.infsof.2018.10.008>
- 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>
- Begishev, V. O., Sopin, E. S., Molchanov, D. A., Samouylov, A. K., Gaidamaka, Y. V., & Samouylov, K. E. (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>
- 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>
- Woldemariam, E. T., Coatanéa, E., Wang, G. G., Lemu, H. G., & Wu, D. (2019). Customized dimensional analysis conceptual modelling framework for design optimization—a case study on the cross-flow micro turbine model. *Engineering Optimization*, 51(7), 1168-1184. <https://doi.org/10.1080/0305215X.2018.1519556>
- Pitkänen, T. P., 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.isprsjprs.2018.11.027>
- 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>
- Martins, D. P., Barros, M. T., & Balasubramaniam, S. (Hyväksytyt/painossa). Quality and Capacity Analysis of Molecular Communications in Bacterial Synthetic Logic Circuits. *IEEE Transactions on Nanobioscience*. <https://doi.org/10.1109/TNB.2019.2930960>
- Tavella, F., Giarretta, A., Dooley-Cullinane, T. M., 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>
- 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>
- 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>

- Soltani, A., Lahti, J., Järvelä, K., Laurikka, J., Kuokkala, V. T., & 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>
- Kuusisto, A., & Reiter, F. (2019). Emptiness problems for distributed automata. *Information and Computation*, [104503]. <https://doi.org/10.1016/j.ic.2019.104503>
- Joshu, A., Dsouza, R., Muthirulan, V., & Sachidananda, K. H. (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>
- 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. [8722595]. <https://doi.org/10.1109/MCOM.2019.1800663>
- Martins, L., Neeli-Venkata, R., Oliveira, S. M. D., Häkkinen, A., Ribeiro, A. S., & Fonseca, J. M. (2018). SCIP: a single-cell image processor toolbox. *Bioinformatics*, 34(24), 4318-4320. <https://doi.org/10.1093/bioinformatics/bty505>
- Mäki, A. J., Verho, J., Kreutzer, J., Ryyänen, T., Rajan, D., Pekkanen-Mattila, M., ... 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>
- 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), [17]. <https://doi.org/10.1186/s13174-018-0088-1>
- 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>
- 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>
- Lohan, E. S., Koivisto, M., Galinina, O., Andreev, S., Tölli, A., Destino, G., ... Valkama, M. (2018). Benefits of Positioning-Aided Communication Technology in High-Frequency Industrial IoT. *IEEE Communications Magazine*, 56(12), 142-148. [8535084]. <https://doi.org/10.1109/MCOM.2018.1701057>
- Nogueira, I. B. R., Faria, R. P. V., Requião, R., Koivisto, H., Martins, M. A. F., Rodrigues, A. E., ... Ribeiro, A. M. (2018). Chromatographic studies of n-Propyl Propionate: Adsorption equilibrium, modelling and uncertainties determination. *Computers and Chemical Engineering*, 119, 371-382. <https://doi.org/10.1016/j.compchemeng.2018.09.020>
- Tiihonen, J., Kylänpää, I., & Rantala, T. T. (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>
- Pertuz, S., Pulido-Herrera, E., & Kämäräinen, J-K. (2018). Focus model for metric depth estimation in standard plenoptic cameras. *ISPRS Journal of Photogrammetry and Remote Sensing*, 144, 38-47. <https://doi.org/10.1016/j.isprsjprs.2018.06.020>
- Dehmer, M., Chen, Z., Emmert-Streib, F., Shi, Y., & Tripathi, S. (2018). Graph measures with high discrimination power revisited: A random polynomial approach. *Information Sciences*, 467, 407-414. <https://doi.org/10.1016/j.ins.2018.07.072>

- 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>
- Martins, D. P., Leetanasaksakul, K., Barros, M. T., Thamchaipenet, A., Donnelly, W., & Balasubramaniam, S. (2018). Molecular Communications Pulse-based Jamming Model for Bacterial Biofilm Suppression. *IEEE Transactions on Nanobioscience*, 17(4), 533-542. <https://doi.org/10.1109/TNB.2018.2871276>
- Kartasalo, K., Latonen, L., Vihinen, J., Visakorpi, T., Nykter, M., & Ruusuvoori, P. (2018). Comparative analysis of tissue reconstruction algorithms for 3D histology. *Bioinformatics*, 34(17), 3013-3021. <https://doi.org/10.1093/bioinformatics/bty210>
- Ratia, M. (2018). Intellectual capital and bi-tools in private healthcare value creation. *Electronic Journal of Knowledge Management*, 16(2), 143-154.
- Milagro, J., Gil, E., Lazaro, J., Seppae, V. P., Malmberg, L. P., Pelkonen, A. S., ... 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>
- Maina, M. R., Okamoto, Y., Okada, A., Närhi, M., Kangastupa, J., & Vihinen, J. (2018). High surface quality welding of aluminum using adjustable ring-mode fiber laser. *Journal of Materials Processing Technology*, 258, 180-188. <https://doi.org/10.1016/j.jmatprotec.2018.03.030>
- Tejero-de-Pablos, A., Nakashima, Y., Sato, T., Yokoya, N., Linna, M., & Rahtu, E. (2018). Summarization of User-Generated Sports Video by Using Deep Action Recognition Features. *IEEE Transactions on Multimedia*, 20(8), 2000-2011. <https://doi.org/10.1109/TMM.2018.2794265>
- Balasubramaniam, S., Wirdatmadja, S. A., Barros, M. T., Koucheryavy, Y., Stachowiak, M., & Jornet, J. M. (2018). Wireless Communications for Optogenetics-Based Brain Stimulation: Present Technology and Future Challenges. *IEEE Communications Magazine*, 56(7), 218-224. [8419204]. <https://doi.org/10.1109/MCOM.2018.1700917>
- Siljander, S., Keinänen, P., Rätty, A., Ramakrishnan, K. R., Tuukkanen, S., Kunnari, V., ... 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), [1819]. <https://doi.org/10.3390/ijms19061819>
- 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>
- 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>
- Peltokangas, M., Suominen, V., Vakhitov, D., Verho, J., Korhonen, J., Lekkala, J., ... 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>
- 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>
- Galinina, O., Mikhaylov, K., Huang, K., Andreev, S., & Koucheryavy, Y. (2018). Wirelessly powered urban crowd sensing over wearables: Trading energy for data. *IEEE Wireless Communications*, 25(2), 140-149. <https://doi.org/10.1109/MWC.2018.1600468>

- Mohammed, W. M., Ramis Ferrer, B., Iarovy, S., Negri, E., Fumagalli, L., Lobov, A., & Martinez Lastra, J. L. (2018). Generic platform for manufacturing execution system functions in knowledge-driven manufacturing systems. *International Journal of Computer Integrated Manufacturing*, 1-13. <https://doi.org/10.1080/0951192X.2017.1407874>
- Achimova, E., Abaskin, V., Claus, D., Pedrini, G., Shevkunov, I., & Katkovnik, V. (2018). Noise minimized high resolution digital holographic microscopy applied to surface topography. *Computer Optics*, 42(2), 267-272. <https://doi.org/10.18287/2412-6179-2018-42-2-267-272>
- Solomitskii, 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- Ometov, A., Daneshfar, N., Hazmi, A., Andreev, S., Del Carpio, L. F., Amin, P., ... Valkama, M. (2018). System-level analysis of IEEE 802.11ah technology for unsaturated MTC traffic. *International Journal of Sensor Networks*, 26(4), 269-282. <https://doi.org/10.1504/IJSNET.2018.090480>
- Korpi, D., Riihonen, T., Sabharwal, A., & Valkama, M. (2018). Transmit Power Optimization and Feasibility Analysis of Self-backhauling Full-Duplex Radio Access Systems. *IEEE Transactions on Wireless Communications*, 17(6), 4219-4236. <https://doi.org/10.1109/TWC.2018.2821682>
- Dehmer, M., Chen, Z., Mowshowitz, A., Jodlbauer, H., Emmert-Streib, F., Shi, Y., ... 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>
- Boashash, B., Aïssa-El-Bey, A., & Al-Sa'd, M. F. (2018). Multisensor Time-Frequency Signal Processing MATLAB package: An analysis tool for multichannel non-stationary data. *SoftwareX*, 8, 53-58. <https://doi.org/10.1016/j.softx.2017.12.002>

- Dehmer, M., 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>
- 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>
- Kellomäki, T. (2017). Fast Water Simulation Methods for Games. *Computers in Entertainment*, 16(1), [2]. <https://doi.org/10.1145/2700533>
- 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>
- Nanni, L., Paci, M., Brahnam, S., & Ghidoni, S. (2017). An ensemble of visual features for Gaussians of local descriptors and non-binary coding for texture descriptors. *Expert Systems with Applications*, 82, 27-39. <https://doi.org/10.1016/j.eswa.2017.03.065>
- Dehmer, M., Emmert-Streib, F., Hu, B., Shi, Y., Stefu, M., & Tripathi, S. (2017). Highly unique network descriptors based on the roots of the permanent polynomial. *Information Sciences*, 408, 176-181. <https://doi.org/10.1016/j.ins.2017.04.041>
- 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), [101008]. <https://doi.org/10.1115/1.4036537>
- Marshoud, H., Sofotasios, P. C., Muhaidat, S., Karagiannidis, G. K., & Sharif, B. S. (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>
- 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>
- 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>
- 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>
- Korpela, T., Kumpulainen, P., Majanne, Y., Häyrynen, 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>
- 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), [325]. <https://doi.org/10.1186/s12859-017-1731-8>
- Rauti, S., Lahtiranta, J., Parisod, H., Hyrynsalmi, S., Salanterä, S., Aromaa, M. E., ... Leppänen, V. (2017). A Proxy-Based Solution for Asynchronous Telemedical Systems. *International Journal of E-health and Medical Communication*, 8(3), 70-83. [5]. <https://doi.org/10.4018/IJEHMC.2017070105>
- Yoo, S. K., Cotton, S. L., Sofotasios, P. C., Matthaiou, M., Valkama, M., & Karagiannidis, G. K. (2017). The Fisher-Snedecor F Distribution: A Simple and Accurate Composite Fading Model. *IEEE Communications Letters*, 21(7), 1661-1664. <https://doi.org/10.1109/LCOMM.2017.2687438>

- Waris, M. A., 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>
- Vorwerk, J., Engwer, C., Pursiainen, S., & Wolters, C. H. (2017). A Mixed Finite Element Method to Solve the EEG Forward Problem. *IEEE Transactions on Medical Imaging*, 36(4), 930-941. [7731161]. <https://doi.org/10.1109/TMI.2016.2624634>
- González-Díaz, I., Birinci, M., Díaz-De-María, F., & Delp, E. J. (2017). Neighborhood Matching for Image Retrieval. *IEEE Transactions on Multimedia*, 19(3), 544-558. <https://doi.org/10.1109/TMM.2016.2616298>
- Petrov, V., Komarov, M., Moltchanov, D., Jornet, J. M., & 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>
- Orsino, A., Ometov, A., Fodor, G., Moltchanov, D., Militano, L., Andreev, S., ... 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>
- 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), [50]. <https://doi.org/10.1007/s00894-017-3212-4>
- Rahmatallah, Y., Zybailov, B., Emmert-Streib, F., & Glazko, G. (2017). GSAR: Bioconductor package for Gene Set analysis in R. *BMC Bioinformatics*, 18(1), [61]. <https://doi.org/10.1186/s12859-017-1482-6>
- Kovács, P. T., 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), [010403]. <https://doi.org/10.2352/J.ImagingSci.Technol.2017.61.1.010403>
- 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>
- 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>
- Donohoe, M., Jennings, B., Jornet, J. M., & 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>
- Borges, L. R., Guerrero, I., Bakic, P. R., Foi, A., Maidment, A. D. A., & Vieira, M. A. C. (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>
- 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>
- Pursiainen, S., Agsten, B., Wagner, S., & Wolters, C. H. (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>

- Potapov, I., Järvenpää, M., Åkerblom, M., Raunonen, P., & Kaasalainen, M. (2017). Bayes Forest: A data-intensive generator of morphological tree clones. *GigaScience*, 6(10), [gix079]. <https://doi.org/10.1093/gigascience/gix079>
- Nogueira, I. B. R., Ribeiro, A. M., Rodrigues, A. E., & Loureiro, J. M. (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>
- Basole, R. C., Huhtamäki, J., Still, K., & Russell, M. G. (2016). Visual decision support for business ecosystem analysis. *Expert Systems with Applications*, 65, 271-282. <https://doi.org/10.1016/j.eswa.2016.08.041>
- Mäkinen, S., Leppänen, M., Kilamo, T., Mattila, A-L., Laukkanen, E., Pagels, M., & Männistö, T. (2016). Improving the delivery cycle: A multiple-case study of the toolchains in Finnish software intensive enterprises. *Information and Software Technology*, 80, 1339-1351. <https://doi.org/10.1016/j.infsof.2016.09.001>
- Stupnikov, A., Tripathi, S., De Matos Simoes, R., McArt, D., Salto-Tellez, M., Glazko, G., ... 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>
- Symonds, P., Taylor, J., Chalabi, Z., Mavrogianni, A., Davies, M., Hamilton, I., ... 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>
- Zhu, S., Zeng, B., Zeng, L., & Gabbouj, M. (2016). Image interpolation based on non-local geometric similarities and directional gradients. *IEEE Transactions on Multimedia*, 18(9), 1707-1719. <https://doi.org/10.1109/TMM.2016.2593039>
- Korpi, D., Tamminen, J., Turunen, M., Huusari, T., Choi, Y. S., Anttila, L., ... 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>
- Ometov, A., Orsino, A., Militano, L., Moltchanov, D., Araniti, G., Olshannikova, E., ... 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>
- Andreev, S., Galinina, O., Pyattaev, A., Hosek, J., Masek, P., Yanikomeroğlu, 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>
- 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>
- 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>
- Patróna, 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>
- 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>
- Häkkinen, A., & Ribeiro, A. S. (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>

Andreev, S., Hosek, J., Olsson, T., Johnsson, K., Pyattaev, A., Ometov, A., ... Mikkonen, T. (2016). A unifying perspective on proximity-based cellular-assisted mobile social networking. *IEEE Communications Magazine*, 54(4), 108-116. <https://doi.org/10.1109/MCOM.2016.7452274>

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

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

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

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

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, [160009]. <https://doi.org/10.1038/sdata.2016.9>

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>

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

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>

Voutilainen, J. P., Mattila, A. L., Systä, K., & Mikkonen, T. (2016). HTML5-based mobile agents for Web-of-Things. *Informatica*, 40(1), 43-51.

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>

Mesaros, A., Heittola, T., & Virtanen, T. (2016). Metrics for polyphonic sound event detection. *Applied Sciences*, 6(6), [162]. <https://doi.org/10.3390/app6060162>

Yunas, S. F., Ansari, W. H., & Valkama, M. (2016). Technoeconomical Analysis of Macrocell and Femtocell Based HetNet under Different Deployment Constraints. *Mobile Information Systems*, 2016, [6927678]. <https://doi.org/10.1155/2016/6927678>

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), [119]. <https://doi.org/10.1186/s13638-015-0364-8>

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>

- Martin, F., Singh, D., Belahcen, A., Rasilo, P., Haavisto, A., & Arkkio, A. (2015). Analytical model for magnetic anisotropy of non-oriented steel sheets. *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, 34(5), 1475-1488. <https://doi.org/10.1108/COMPEL-02-2015-0076>
- Shah, S. B., Rasilo, P., Belahcen, A., & Arkkio, A. (2015). Estimation of additional losses due to random contacts at the edges of stator of an electrical machine. *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, 34(5), 1501-1510. <https://doi.org/10.1108/COMPEL-02-2015-0083>
- Iosifidis, A., Tefas, A., & Pitas, I. (2015). DropELM: Fast neural network regularization with Dropout and DropConnect. *Neurocomputing*, 162, 57-66. <https://doi.org/10.1016/j.neucom.2015.04.006>
- 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>
- 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>
- 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>
- 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>
- Rodrigues, P. C., Monteiro, A., & Lourenço, V. M. (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>
- Saintsing, C. D., Yu, K., Qi, H. J., & 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. [7129744]. <https://doi.org/10.1109/RWS.2015.7129744>
- Samiee, K., Kiranyaz, S., Gabbouj, M., & Saramäki, T. (2015). Long-term epileptic EEG classification via 2D mapping and textural features. *Expert Systems with Applications*, 42(20), 7175-7185. <https://doi.org/10.1016/j.eswa.2015.05.002>
- Matos Simoes, R. D., Dalleau, S., Williamson, K. E., & Emmert-Streib, F. (2015). Urothelial cancer gene regulatory networks inferred from large-scale RNAseq, Bead and Oligo gene expression data. *BMC Systems Biology*, 9, [21]. <https://doi.org/10.1186/s12918-015-0165-z>
- Heino, M., Korpi, D., Huusari, T., Antonio-Rodríguez, E., Venkatasubramanian, S., Riihonen, T., ... 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>
- 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), [1550017]. <https://doi.org/10.1142/S0219633615500170>
- Akyildiz, I. F., 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>
- Paunonen, L. (2015). Designing controllers with reduced order internal models. *IEEE Transactions on Automatic Control*, 60(3), 775-780. [6826480]. <https://doi.org/10.1109/TAC.2014.2329212>

Järvelin, K., Vakkari, P., Arvola, P., Baskaya, F., Järvelin, A., Kekäläinen, J., ... Sormunen, E. (2015). Task-based information interaction evaluation: The viewpoint of program theory. *ACM Transactions on Information Systems*, 33(1), [3]. <https://doi.org/10.1145/2699660>

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

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

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

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

Tauriainen, M. K., Puttonen, J. A., & Saari, A. J. (2015). The assessment of constructability: BIM cases. *Journal of Information Technology in Construction*, 20, 51-67.

Pertilä, P., & Nikunen, J. (2015). Distant speech separation using predicted time-frequency masks from spatial features. *Speech Communication*, 68, 97-106. <https://doi.org/10.1016/j.specom.2015.01.006>

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

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>

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), [178]. <https://doi.org/10.1186/s13638-015-0393-3>

Belahcen, A., Rasilo, P., Nguyen, T. T., & 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>

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>

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>

Rahmatallah, Y., Emmert-Streib, F., & Glazko, G. (2014). Comparative evaluation of gene set analysis approaches for RNA-Seq data. *BMC Bioinformatics*, 15(1), [397]. <https://doi.org/10.1186/s12859-014-0397-8>

Pirkkalainen, H., Jokinen, J. P. P., & Pawlowski, J. M. (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. [6823168]. <https://doi.org/10.1109/TLT.2014.2323970>

Wang, J., Ma, L., Liang, Y., Gao, M., & Wang, G. (2014). Density functional theory study of transition metals doped B₈₀ fullerene. *Journal of Theoretical and Computational Chemistry*, 13(6), [1450050]. <https://doi.org/10.1142/S0219633614500503>

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

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

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

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>

Oftadeh, R., Aref, M. M., Ghabcheloo, R., & Mattila, J. (2014). System integration for real-time mobile manipulation. *international Journal of Advanced Robotic Systems*, 11(1), [51]. <https://doi.org/10.5772/58467>

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>

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>

Emmert-Streib, F., de Matos Simoes, R., Glazko, G., McDade, S., Haibe-Kains, B., Holzinger, A., ... Campbell, F. (2014). Functional and genetic analysis of the colon cancer network. *BMC Bioinformatics*, 15(Suppl 6), [S6].

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>

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

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

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

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

- Dander, A., Mueller, L. A. J., Gallasch, R., Pabinger, S., Emmert-Streib, F., Graber, A., & Dehmer, M. (2013). [COMMODE] a large-scale database of molecular descriptors using compounds from PubChem. *Source Code for Biology and Medicine*, 8, [22]. <https://doi.org/10.1186/1751-0473-8-22>
- Sterpone, F., Nguyen, P. H., Kalimeri, M., & Derreumaux, P. (2013). Importance of the ion-pair interactions in the OPEP coarse-grained force field: Parametrization and validation. *Journal of Chemical Theory and Computation*, 9(10), 4574-4584. <https://doi.org/10.1021/ct4003493>
- Raisamo, J., Raisamo, R., & Surakka, V. (2013). Comparison of Saltation, Amplitude Modulation, and a Hybrid Method of Vibrotactile Stimulation. *IEEE Transactions on Haptics*, 6(4), 517-521. [6517847]. <https://doi.org/10.1109/TOH.2013.25>
- Faisal, A., Gillberg, J., Leen, G., & Peltonen, J. (2013). Transfer learning using a nonparametric sparse topic model. *Neurocomputing*, 112, 124-137. <https://doi.org/10.1016/j.neucom.2012.12.038>
- Hamari, J. (2013). Transforming homo economicus into homo ludens: A field experiment on gamification in a utilitarian peer-to-peer trading service. *Electronic Commerce Research and Applications*, 12(4), 236-245. <https://doi.org/10.1016/j.elerap.2013.01.004>
- Liuhanen, S., Sallisalmi, M., Pettilä, V., Oksala, N., & Tenhunen, J. (2013). Indirect measurement of the vascular endothelial glycocalyx layer thickness in human submucosal capillaries with a plug-in for ImageJ. *Computer Methods and Programs in Biomedicine*, 110(1), 38-47. <https://doi.org/10.1016/j.cmpb.2012.10.019>
- Taylor, J., Biddulph, P., Davies, M., Ridley, I., Mavrogianni, A., Oikonomou, E., & Lai, K. M. (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>
- 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. [17095978]. <https://doi.org/10.1108/COMPEL-04-2013-0109>
- Iosifidis, A., Tefas, A., & Pitas, I. (2013). Multidimensional sequence classification based on fuzzy distances and discriminant analysis. *IEEE Transactions on Knowledge and Data Engineering*, 25(11), 2564-2575. <https://doi.org/10.1109/TKDE.2012.223>
- 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>
- Lin, Z., Le, T., Song, X., Yao, Y., Li, Z., Moon, K. S., ... Wong, C. P. (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), [011001]. <https://doi.org/10.1115/1.4023758>
- Le, T., Lin, Z., Vyas, R., Lakafosis, V., Yang, L., Traille, A., ... Wong, C. P. (2013). Inkjet printing of radio frequency electronics: Design methodologies and application of novel nanotechnologies. *Journal of Electronic Packaging*, 135(1), [011007]. <https://doi.org/10.1115/1.4023671>
- 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>
- 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>

- 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>
- 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>
- Ma, L., Atta-Fynn, R., & Ray, A. K. (2012). Elemental and mixed actinide dioxides: An ab initio study. *Journal of Theoretical and Computational Chemistry*, 11(3), 611-629. <https://doi.org/10.1142/S021963361250040X>
- Karppi, T., & Sotamaa, O. (2012). Rethinking Playing Research: DJ HERO and Methodological Observations in the Mix. *SIMULATION AND GAMING*, 43(3), 413-429. <https://doi.org/10.1177/1046878111434263>
- Stenros, J., Waern, A., & Montola, M. (2012). Studying the Elusive Experience in Pervasive Games. *SIMULATION AND GAMING*, 43(3), 339-355. <https://doi.org/10.1177/1046878111422532>
- de Matos Simoes, R., Tripathi, S., & Emmert-Streib, F. (2012). Organizational structure and the periphery of the gene regulatory network in B-cell lymphoma. *BMC Systems Biology*, 6, [38]. <https://doi.org/10.1186/1752-0509-6-38>
- Jin, M., Zhou, X., Zhang, Z. M., & Tentzeris, M. M. (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>
- Atakan, B., Akan, O. B., & Balasubramaniam, S. (2012). Body area nanonetworks with molecular communications in nanomedicine. *IEEE Communications Magazine*, 50(1), 28-34. [6122529]. <https://doi.org/10.1109/MCOM.2012.6122529>
- Evreinova, T. V., 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.
- Berlinicke, C. A., Ackermann, C. F., Chen, S. H., Schulze, C., Shafranovich, Y., Myneni, S., ... Bova, G. S. (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>
- Shen, C. C., Wu, S., Sane, N., Wu, H. H., Plishker, W., & Bhattacharyya, S. S. (2012). Design and synthesis for multimedia systems using the targeted dataflow interchange format. *IEEE Transactions on Multimedia*, 14(3 PART1), 630-640. [6172244]. <https://doi.org/10.1109/TMM.2012.2191397>
- Galluccio, L., Akan, O. B., Balasubramaniam, S., & Sivakumar, R. (2012). Wireless communications at the nanoscale. *IEEE Wireless Communications*, 19(5), 10-11. [6339466]. <https://doi.org/10.1109/MWC.2012.6339466>
- 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>
- Mueller, L. A. J., Kugler, K. G., Graber, A., Emmert-Streib, F., & Dehmer, M. (2011). Structural Measures for Network Biology Using QuACN. *BMC Bioinformatics*, 12(1), [492]. <https://doi.org/10.1186/1471-2105-12-492>
- 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>
- 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. [5936154]. <https://doi.org/10.1109/MCOM.2011.5936154>

- Yu, G., Zhang, B., Bova, G. S., Xu, J., Shih, I. M., & Wang, Y. (2011). BACOM: In silico detection of genomic deletion types and correction of normal cell contamination in copy number data. *Bioinformatics*, *27*(11), 1473-1480. [btr183]. <https://doi.org/10.1093/bioinformatics/btr183>
- Hsu, C. J., Pino, J. L., & Bhattacharyya, S. S. (2011). Multithreaded simulation for synchronous dataflow graphs. *ACM Transactions on Design Automation of Electronic Systems*, *16*(3), [25]. <https://doi.org/10.1145/1970353.1970358>
- Pursiainen, S., Sorrentino, A., Campi, C., & Piana, M. (2011). Forward simulation and inverse dipole localization with the lowest order Raviart - Thomas elements for electroencephalography. *Inverse Problems*, *27*(4), [045003]. <https://doi.org/10.1088/0266-5611/27/4/045003>
- Pajarinen, J., Peltonen, J., & Uusitalo, M. A. (2011). Fault tolerant machine learning for nanoscale cognitive radio. *Neurocomputing*, *74*(5), 753-764. <https://doi.org/10.1016/j.neucom.2010.10.007>
- Altay, G., & Emmert-Streib, F. (2010). Inferring the conservative causal core of gene regulatory networks. *BMC Systems Biology*, *4*, [132]. <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. [btq259]. <https://doi.org/10.1093/bioinformatics/btq259>
- Glazko, G. V., & 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>
- 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>
- Emmert-Streib, F., & Dehmer, M. (2009). Hierarchical coordination of periodic genes in the cell cycle of *Saccharomyces cerevisiae*. *BMC Systems Biology*, *3*, [76]. <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*, [35]. <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. (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. (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>
- 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)
- Pulkkinen, U., Rantala, T. T., Rantala, T. S., & Lantto, V. (1999). Simulation of oxygen exchange of SnO₂ surface. *Computer Physics Communications*, *121*, 720.

Mattila, J., Koivumäki, J., Caldwell, D. G., & 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>

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* (Vuosikerta 38, Sivut 1243-1248). (Computer Aided Chemical Engineering). Elsevier Science B.V.. <https://doi.org/10.1016/B978-0-444-63428-3.50212-5>

Ylinen, A., Mäkinen, J., & Kouhia, R. (2016). Two models for hydraulic cylinders in flexible multibody simulations. teoksessa *Computational Methods for Solids and Fluids: Multiscale Analysis, Probability Aspects and Model Reduction* (Sivut 463-493). (Computational Methods in Applied Sciences; Vuosikerta 41). Springer. https://doi.org/10.1007/978-3-319-27996-1_17

Seppälä, J., & Salmenperä, M. (2015). Towards dependable automation. teoksessa *Cyber Security: Analytics, Technology and Automation: Part IV* (Sivut 229-249). (Intelligent Systems, Control and Automation: Science and Engineering; Vuosikerta 78). Springer International Publishing. https://doi.org/10.1007/978-3-319-18302-2_15

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* (Sivut 619-624). (IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM). IEEE. <https://doi.org/10.1109/AIM43001.2020.9158851>

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* (Sivut 49-50). IEEE. <https://doi.org/10.1109/ICSA-C50368.2020.00016>

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* (Sivut 3374-3383). (IEEE Winter Conference on Applications of Computer Vision). IEEE. <https://doi.org/10.1109/WACV45572.2020.9093474>

Kulya, M. S., Sokolenko, B., Gorodetsky, A., & Petrov, N. V. (2020). Propagation dynamics of ultrabroadband terahertz beams with orbital angular momentum for wireless data transfer. teoksessa B. B. Dingel, K. Tsukamoto, & S. Mikroulis (Toimittajat), *Broadband Access Communication Technologies XIV* [113070J] (Proceedings of SPIE - The International Society for Optical Engineering; Vuosikerta 11307). SPIE. <https://doi.org/10.1117/12.2547695>

Phung, H. M., 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. teoksessa J. E. Hastie (Toimittaja), *Vertical External Cavity Surface Emitting Lasers (VECSELs) X* [112630H] (Proceedings of SPIE - The International Society for Optical Engineering; Vuosikerta 11263). SPIE. <https://doi.org/10.1117/12.2545980>

Kulya, M. S., Katkovnik, V., Egiazarian, K., & Petrov, N. V. (2020). Complex-domain sparse imaging in terahertz pulse time-domain holography with balance detection. teoksessa L. P. Sadwick, & T. Yang (Toimittajat), *Terahertz, RF, Millimeter, and Submillimeter-Wave Technology and Applications XIII* [1127921] (Proceedings of SPIE; Vuosikerta 11279). SPIE. <https://doi.org/10.1117/12.2549001>

Wang, Y., Zhao, Y., Pan, Z., Suomalainen, S., Härkönen, A., Guina, M., ... Petrov, V. (2020). 73-fs SESAM mode-locked Tm:Ho:CNGG laser at 2061 nm. teoksessa W. A. Clarkson, & R. K. Shori (Toimittajat), *Solid State Lasers XXIX: Technology and Devices* [1125929] (Proceedings of SPIE - The International Society for Optical Engineering; Vuosikerta 11259). SPIE. <https://doi.org/10.1117/12.2548180>

Vainio, M. (2020). Continuous-wave optical parametric oscillators for mid-infrared spectroscopy. teoksessa P. G. Schunemann, & K. L. Schepler (Toimittajat), *Nonlinear Frequency Generation and Conversion: Materials and Devices XIX* [1126419] (Proceedings of SPIE - The International Society for Optical Engineering; Vuosikerta 11264). SPIE. <https://doi.org/10.1117/12.2548711>

Nejadsattari, F., Zhang, Y., Jayakody, M. N., Bouchard, F., Larocque, H., Sit, A., ... Karimi, E. (2020). Cyclic quantum walks: Photonic realization and decoherence analysis. teoksessa P. R. Hemmer, A. L. Migdall, & Z. U. Hasan (Toimittajat), *Advanced Optical Techniques for Quantum Information, Sensing, and Metrology* [1129503] (Proceedings of SPIE - The International Society for Optical Engineering; Vuosikerta 11295). SPIE. <https://doi.org/10.1117/12.2546566>

Taibi, D., El Ioini, N., Pahl, C., & Niederkofler, J. R. S. (2020). Patterns for serverless functions (Function-as-a-Service): A multivocal literature review. teoksessa D. Ferguson, M. Helfert, & C. Pahl (Toimittajat), *CLOSER 2020 - Proceedings of the 10th International Conference on Cloud Computing and Services Science* (Vuosikerta 1, Sivut 181-192). SCITEPRESS. <https://doi.org/10.5220/0009578501810192>

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* (Sivut 1387-1393). (IEEE/ASME International Conference on Advanced Intelligent Mechatronics). IEEE. <https://doi.org/10.1109/AIM43001.2020.9159022>

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

Motlagh, H. D. K., Lotfi, F., Taghirad, H. D., & Germi, S. B. (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* (Sivut 120-124). IEEE. <https://doi.org/10.1109/ICRoM48714.2019.9071826>

De Oliveira, M. T., Michalas, A., Groot, A. E. D., Marquering, H. A., & Olabariaga, S. D. (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* [9009598] IEEE. <https://doi.org/10.1109/HealthCom46333.2019.9009598>

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

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

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* (Sivut 187-192). IEEE. <https://doi.org/10.1109/ICME.2019.00040>

Godbole, T. R., 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 International Workshop on Signal Processing Advances in Wireless Communications). IEEE. <https://doi.org/10.1109/SPAWC.2019.8815528>

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

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

- Mäkelä, V., Linna, J., Keskinen, T., Hakulinen, J., & Turunen, M. (2019). Acceptance and perceptions of interactive location-tracking displays. teoksessa V. Gentile, & J. R. Cauchard (Toimittajat), *Pervasive Displays 2019 - 8th ACM International Symposium on Pervasive Displays, PerDis 2019* [a17] ACM. <https://doi.org/10.1145/3321335.3324931>
- Amato, G., Falchi, F., Gennaro, C., Massoli, F. V., Passalis, N., Tefas, A., ... Vairo, C. (2019). Face verification and recognition for digital forensics and information security. teoksessa A. Varol, M. Karabatak, C. Varol, & S. Teke (Toimittajat), *7th International Symposium on Digital Forensics and Security, ISDFS 2019* IEEE. <https://doi.org/10.1109/ISDFS.2019.8757511>
- Lunden, O-P., & Paldanius, T. (2019). Linearization of BJTs with logarithmic predistortion. teoksessa *2019 IEEE Radio and Wireless Symposium, RWS 2019* (IEEE Radio and Wireless Symposium, RWS). IEEE. <https://doi.org/10.1109/RWS.2019.8714520>
- Barneto, C. B., Anttila, L., Fleischer, M., & Valkama, M. (2019). OFDM radar with LTE waveform: Processing and performance. teoksessa *2019 IEEE Radio and Wireless Symposium, RWS 2019* [8714410] (IEEE Radio and Wireless Symposium, RWS). IEEE COMPUTER SOCIETY PRESS. <https://doi.org/10.1109/RWS.2019.8714410>
- Heinisuo, O-P., Lenarduzzi, V., & Taibi, D. (2019). Asterism: Decentralized file sharing application for mobile devices. teoksessa *2019 7th IEEE International Conference on Mobile Cloud Computing, Services, and Engineering, MobileCloud 2019* (Sivut 38-47). IEEE. <https://doi.org/10.1109/MobileCloud.2019.00013>
- 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* (Sivut 507-513). IEEE. <https://doi.org/10.1109/DCOSS.2019.00098>
- Tavakoli, H. R., 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* (Sivut 273-282). (IEEE Winter Conference on Applications of Computer Vision). IEEE. <https://doi.org/10.1109/WACV.2019.00035>
- Heimburger, 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* [8658635] (Proceedings - Frontiers in Education Conference). IEEE. <https://doi.org/10.1109/FIE.2018.8658635>
- 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* (Sivut 1034-1042). (IEEE Winter Conference on Applications of Computer Vision). IEEE. <https://doi.org/10.1109/WACV.2019.00115>
- Lobov, A., & Haapala, K. R. (2019). Towards sustainable manufacturing by extending Manufacturing Execution System functions. teoksessa *2019 IEEE International Conference on Industrial Technology, ICIT 2019* (Sivut 1329-1335). IEEE. <https://doi.org/10.1109/ICIT.2019.8755102>
- Akpinar, U., Sahin, E., Suominen, O., & Gotchev, A. (2019). Thin form-factor super multiview head-up display system. teoksessa *Stereoscopic Displays and Applications XXX* (IS&T International Symposium on Electronic Imaging). <https://doi.org/10.2352/ISSN.2470-1173.2019.3.SDA-631>
- 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>

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>

Kahle, H., Penttinen, J. P., Phung, H. M., 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. teoksessa U. Keller (Toimittaja), *Vertical External Cavity Surface Emitting Lasers (VECSELS) IX* [109010D] (Proceedings of SPIE - The International Society for Optical Engineering; Vuosikerta 10901). SPIE, IEEE. <https://doi.org/10.1117/12.2512111>

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. teoksessa U. Keller (Toimittaja), *Vertical External Cavity Surface Emitting Lasers (VECSELS) IX* [1090103] (Proceedings of SPIE - The International Society for Optical Engineering; Vuosikerta 10901). SPIE, IEEE. <https://doi.org/10.1117/12.2508342>

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* (Sivut 157-169). (Lecture Notes in Educational Technology). Springer International Publishing. https://doi.org/10.1007/978-981-13-7361-9_11

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

Yadav, A., Chichkov, N. B., Gumenyuk, R., Zhrebtsov, E., Melkumov, M. A., Yashkov, M. V., ... Rafailov, E. U. (2019). 405-nm pumped Ce^{3+} -doped silica fiber for broadband fluorescence from cyan to red. teoksessa M. J. F. Digonnet, & S. Jiang (Toimittajat), *Optical Components and Materials XVI* [1091406] (Proceedings of SPIE - The International Society for Optical Engineering; Vuosikerta 10914). SPIE, IEEE. <https://doi.org/10.1117/12.2509599>

Radevici, I., Sadi, T., Tripurari, T., Tiira, J., Ranta, S., Tukiainen, A., ... Oksanen, J. (2019). Observation of local electroluminescent cooling and identifying the remaining challenges. teoksessa D. V. Seletskiy, R. I. Epstein, & M. Sheik-Bahae (Toimittajat), *Photonic Heat Engines: Science and Applications* [109360A] (Proceedings of SPIE - The International Society for Optical Engineering; Vuosikerta 10936). SPIE, IEEE. <https://doi.org/10.1117/12.2505814>

Viheriälä, J., Tuorila, H., Zia, N., Cherchi, M., Aalto, T., & Guina, M. (2019). 1.3 μm U-bend traveling wave SOA devices for high efficiency coupling to silicon photonics. teoksessa G. T. Reed, & A. P. Knights (Toimittajat), *Silicon Photonics XIV* [109230E] (Proceedings of SPIE - The International Society for Optical Engineering; Vuosikerta 10923). SPIE, IEEE. <https://doi.org/10.1117/12.2505935>

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

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

Zakeri, F. S., Bätz, M., Jaschke, T., Keinert, J., & Chuchvara, A. (2019). Benchmarking of several disparity estimation algorithms for light field processing. teoksessa S. Bazelle, N. Verrier, & C. Cudel (Toimittajat), *Fourteenth International Conference on Quality Control by Artificial Vision* [111721C] (Proceedings of SPIE - The International Society for Optical Engineering; Vuosikerta 11172). SPIE, IEEE. <https://doi.org/10.1117/12.2521747>

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

Kocsis, P., Shevkunov, I., Katkovnik, V., & Egiazarian, K. (2019). Single exposure lensless subpixel phase imaging. teoksessa B. C. Kress, & P. Schelkens (Toimittajat), *Digital Optical Technologies 2019* (Proceedings of SPIE - The International Society for Optical Engineering; Vuosikerta 11062). SPIE, IEEE. <https://doi.org/10.1117/12.2525679>

Saleh, A., Ryczkowski, P., Genty, G., & Toivonen, J. (2019). Short-range supercontinuum based lidar for combustion diagnostics. teoksessa M. Kimata, & C. R. Valenta (Toimittajat), *SPIE Future Sensing Technologies* [111970Y] (Proceedings of SPIE; Vuosikerta 11197). SPIE, IEEE. <https://doi.org/10.1117/12.2542720>

Xu, L., Saerens, G., Timofeeva, M., Miroshnichenko, A. E., Camacho-Morales, R., Volkovskaya, I., ... Rahmani, M. (2019). Switchable unidirectional second-harmonic emission through GaAs nanoantennas. teoksessa A. Mitchell, & H. Rubinsztein-Dunlop (Toimittajat), *AOS Australian Conference on Optical Fibre Technology, ACOFT 2019 and Australian Conference on Optics, Lasers, and Spectroscopy, ACOLS 2019* [112000J] (Proceedings of SPIE - The International Society for Optical Engineering; Vuosikerta 11200). SPIE. <https://doi.org/10.1117/12.2539887>

Sautter, J., Xu, L., Miroshnichenko, A., Lysevych, M., Volkovskaya, I., Smirnova, D., ... Rahmani, M. (2019). Tailoring directional scattering of second-harmonic generation from (111)-GaAs nanoantennas. teoksessa A. Mitchell, & H. Rubinsztein-Dunlop (Toimittajat), *AOS Australian Conference on Optical Fibre Technology, ACOFT 2019 and Australian Conference on Optics, Lasers, and Spectroscopy, ACOLS 2019* [112000H] (Proceedings of SPIE - The International Society for Optical Engineering; Vuosikerta 11200). SPIE. <https://doi.org/10.1117/12.2539086>

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* (Sivut 1085-1090). [9002684] IEEE. <https://doi.org/10.1109/SSCI44817.2019.9002684>

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* (Sivut 1338-1343). [9002975] IEEE. <https://doi.org/10.1109/SSCI44817.2019.9002975>

Heikkinen, J. E., Gafurov, S., Kopylov, S., Minav, T., Grebennikov, S., & Kurbanov, A. (2019). Hardware-in-the-loop platform for testing autonomous vehicle control algorithms. teoksessa D. Al-Jumeily, J. Hind, J. Mustafina, A. Al-Hajj, A. Hussain, E. Magid, & H. Tawfik (Toimittajat), *Proceedings - 12th International Conference on the Developments in eSystems Engineering, DeSE 2019* (Sivut 906-911). [9073320] (International Conference on Developments in eSystems Engineering, DeSE). IEEE. <https://doi.org/10.1109/DeSE.2019.00168>

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>

Salminen, K., Rantala, J., Isokoski, P., Lehtonen, M., Müller, P., Karjalainen, M., ... 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* (Sivut 73-77). ACM. <https://doi.org/10.1145/3242969.3242999>

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* [8449156] IEEE. <https://doi.org/10.1109/MESA.2018.8449156>

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* [8449188] IEEE. <https://doi.org/10.1109/MESA.2018.8449188>

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* [8449183] IEEE. <https://doi.org/10.1109/MESA.2018.8449183>

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

Sheikh, M. U., 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* (Sivut 1-6). IEEE. <https://doi.org/10.1109/VTCSpring.2018.8417593>

Solomitckii, D., Petrov, V., Nikopour, H., Akdeniz, M., Orhan, O., Himayat, N., ... 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* (Sivut 1-7). IEEE. <https://doi.org/10.1109/VTCSpring.2018.8417788>

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* (Sivut 1-7). IEEE. <https://doi.org/10.1109/VTCSpring.2018.8417708>

Selim, B., Muhaidat, S., Sofotasios, P. C., Sharif, B. S., Stouraitis, T., Karagiannidis, G. K., & 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* (Sivut 1-5). IEEE. <https://doi.org/10.1109/VTCSpring.2018.8417514>

Marshoud, H., Muhaidat, S., Sofotasios, P. C., Imran, M., Sharif, B. S., & Karagiannidis, G. K. (2018). Optical Asymmetric Modulation for VLC Systems - Invited Paper. teoksessa *2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018* (Sivut 1-5). IEEE. <https://doi.org/10.1109/VTCSpring.2018.8417541>

Sofotasios, P. C., Yoo, S. K., Muhaidat, S., Cotton, S. L., Matthaiou, M., Valkama, M., & Karagiannidis, G. K. (2018). Ergodic Capacity Analysis of Wireless Transmission over Generalized Multipath/Shadowing Channels. teoksessa *2018 IEEE 87th Vehicular Technology Conference* (Sivut 1-5). IEEE. <https://doi.org/10.1109/VTCSpring.2018.8417509>

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* (Sivut 1-6). IEEE. <https://doi.org/10.1109/ICCW.2018.8403638>

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

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* (Sivut 1-6). IEEE. <https://doi.org/10.1109/ICCW.2018.8403562>

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* (Sivut 112-117). IEEE. https://doi.org/10.1109/Cybermatics_2018.2018.00051

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 (Sivut 15-20). IEEE. https://doi.org/10.1109/Cybermatics_2018.2018.00037

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* (Sivut 1-5). IEEE. <https://doi.org/10.1109/SeGAH.2018.8401351>

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* (Sivut 616-625). IEEE. <https://doi.org/10.1109/WACV.2018.00073>

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)* (Sivut 1055-1060). IEEE. <https://doi.org/10.1109/ICIT.2018.8352324>

Paladi, N., Michalas, A., & Dang, H. V. (2018). Towards secure cloud orchestration for multi-cloud deployments. teoksessa *CrossCloud 2018 - 5th Workshop on CrossCloud Infrastructures and Platforms, colocated with EuroSys 2018* [a4] ACM. <https://doi.org/10.1145/3195870.3195874>

Tarniceriu, A., Harju, J., Vehkaoja, A., Parak, J., Delgado-Gonzalo, R., Renevey, P., ... 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* (Sivut 133-136). IEEE. <https://doi.org/10.1109/BHI.2018.8333387>

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* (Sivut 678-684). IEEE. <https://doi.org/10.1109/ICE.2017.8279950>

Mohammed, W. M., Ferrer, B. R., 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* (Sivut 1201-1208). IEEE. <https://doi.org/10.1109/ICE.2017.8280017>

Mohammed, W. M., Ferrer, B. R., Martinez, J. L., 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* (Sivut 1209-1215). IEEE. <https://doi.org/10.1109/ICE.2017.8280018>

Katasonov, A., Lastusilta, T., Korvola, T., Saari, L., Bendas, D., Mohammed, W. M., & Lee, A. N. (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* (Sivut 1123-1130). IEEE. <https://doi.org/10.1109/ICE.2017.8280007>

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

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* (Sivut 1-7). IEEE. <https://doi.org/10.1109/GLOCOMW.2017.8269183>

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* (Sivut 870-877). IEEE. <https://doi.org/10.1109/ICCVW.2017.107>

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* (Sivut 27-35). IEEE. <https://doi.org/10.1109/ICCVW.2017.10>

Noronen, T., Fedotov, A., Rissanen, J., Gumenyuk, R., Butov, O., Chamorovskii, Y., ... 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* [105121T] (Proceedings of SPIE; Vuosikerta 10512). SPIE, IEEE. <https://doi.org/10.1117/12.2288942>

Katkovnik, V., Shevkunov, I., Petrov, N. V., & Eguiazarian, K. (2018). Multiwavelength surface contouring from phase-coded diffraction patterns. teoksessa *Unconventional Optical Imaging 2018. Strasbourg, France* [106771B] (Proceedings of SPIE - The International Society for Optical Engineering; Vuosikerta 10677). SPIE. <https://doi.org/10.1117/12.2306127>

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* (Vuosikerta 2, Sivut 154-165). SCITEPRESS. <https://doi.org/10.5220/0006800201540165>

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* (Sivut 364-375). SCITEPRESS. <https://doi.org/10.5220/0006679303640375>

Karioja, P., Alajoki, T., Cherchi, M., Ollila, J., Harjanne, M., Heinilehto, N., ... Kalinowski, P. (2018). Integrated multi-wavelength mid-IR light source for gas sensing. teoksessa *Next-Generation Spectroscopic Technologies XI* [106570A] (SPIE Conference Proceedings; Vuosikerta 10657). SPIE, IEEE. <https://doi.org/10.1117/12.2305712>

Mateos, X., Loiko, P., Lamrini, S., Scholle, K., Fuhrberg, P., Suomalainen, S., ... 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* [107130J] (Proceedings of SPIE; Vuosikerta 10713). SPIE, IEEE. <https://doi.org/10.1117/12.2316822>

Ponomarenko, M., Katkovnik, V., & Eguiazarian, 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>

Battisti, F., Carli, M., De Paola, E., & Eguiazarian, 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>

Ponomarenko, M., Gapon, N., Voronin, V., & Eguiazarian, 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>

Ieremeiev, O., Lukin, V., Ponomarenko, N., & Eguiazarian, 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>

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

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

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

Coatanéa, E., Wu, D., Tsarkov, V., Gary Wang, G., Modi, S., & Jafarian, H. (2018). Knowledge-based artificial neural network (KB-ANN) in engineering: Associating functional architecture modeling, dimensional analysis and causal graphs to produce optimized topologies for KB-ANNs. teoksessa *38th Computers and Information in Engineering Conference* (Vuosikerta 1B-2018). The American Society of Mechanical Engineers ASME. <https://doi.org/10.1115/DETC201885895>

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* (Sivut 221-232). SCITEPRESS. <https://doi.org/10.5220/0006798302210232>

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* [1080200] (Proceedings of SPIE; Vuosikerta 10802). SPIE. <https://doi.org/10.1117/12.2326801>

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* (Sivut 13-18). ACM. <https://doi.org/10.1145/3125659.3125695>

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* (Sivut 200-208). ACM. <https://doi.org/10.1145/3105726.3106181>

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>

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>

Orsino, A., Araniti, G., Scopelliti, P., Gudkova, I. A., Samouylov, K. E., & 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>

Rajan, D. K., Verho, J., Kreutzer, J., Valimaki, H., Ihalainen, H., Lekkala, J., ... 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)* (Sivut 470-474). IEEE. <https://doi.org/10.1109/MeMeA.2017.7985922>

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* (Sivut 4-12). IEEE. <https://doi.org/10.1109/ICSE-SEET.2017.12>

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* (Sivut 985-990). IEEE. <https://doi.org/10.23919/MIPRO.2017.7973567>

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

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>

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

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

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

Murayama, M., Oguro, D., Kikuchi, H., Huttunen, H., Ho, Y. S., & 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>

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 [102260R]* (Proceedings of SPIE; Vuosikerta 10226). SPIE. <https://doi.org/10.1117/12.2262330>

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* (Vuosikerta 10083). [100831H] (Proceedings of SPIE; Nro 10083). SPIE. <https://doi.org/10.1117/12.2252006>

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* (Sivut 476-480). SCITEPRESS. <https://doi.org/10.5220/0006353204760480>

Katkovnik, V., Shevkunov, I., Petrov, N. V., & Egiazarian, K. (2017). Computational wavelength resolution for in-line lensless holography: Phase-coded diffraction patterns and wavefront group-sparsity. teoksessa *Digital Optical Technologies 2017 [1033509]* (Proceedings of SPIE; Vuosikerta 10335). SPIE. <https://doi.org/10.1117/12.2269327>

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

Niutanen, V., Hölttä-Otto, K., Rahardjo, A., Stowe, H. M., 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* (Sivut 259-264). The Design Society.

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>

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>

- Lenarduzzi, V., Stan, A. C., 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* (Sivut 168-178). Academic Conferences and Publishing International Limited.
- 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* (Sivut 304-314). Academic Conferences and Publishing International Limited.
- 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)* (Sivut 127-134). IEEE. <https://doi.org/10.1109/MobServ.2016.27>
- Urama, J., Olshannikova, E., Ometov, A., Masek, P., Andreev, S., Olsson, T., ... Mikkonen, T. (2016). Dynamic social trust associations over d2d communications: An implementation perspective. teoksessa *2016 IEEE International Conference on Mobile Services (MS)* (Sivut 186-189). IEEE. <https://doi.org/10.1109/MobServ.2016.41>
- 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* (Sivut 192-197). ACM. <https://doi.org/10.1145/2994310.2994370>
- Mattila, A-L., Ihanola, 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* (Sivut 262-271). ACM. <https://doi.org/10.1145/2994310.2994327>
- 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* (Sivut 49-58). ACM. <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* (Sivut 59-67). ACM. <https://doi.org/10.1145/2994310.2994371>
- 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* (Sivut 449-452). ACM. <https://doi.org/10.1145/2994310.2994314>
- 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* (Sivut 7-14). Institute of Electrical and Electronics Engineers Inc.. <https://doi.org/10.1109/W-FiCloud.2016.19>
- Lenarduzzi, V., & Taibi, D. (2016). MVP Explained: A Systematic Mapping Study on the Definitions of Minimal Viable Product. teoksessa *Proceedings - 42nd Euromicro Conference on Software Engineering and Advanced Applications, SEAA 2016* (Sivut 112-119). IEEE. <https://doi.org/10.1109/SEAA.2016.56>
- Viehrig, M., Tuukkanen, S., & Kallio, P. (2016). Challenges and capabilities of conductive polymeric materials for electromechanical stimulation of stem cells: A case study. teoksessa *2016 International Conference on Manipulation, Automation and Robotics at Small Scales, MARSS 2016* Institute of Electrical and Electronics Engineers Inc.. <https://doi.org/10.1109/MARSS.2016.7561744>
- Ruohonen, J., Hyrynsalmi, S., & Leppänen, V. (2016). Trading exploits online: A preliminary case study. teoksessa *IEEE RCIS 2016 - IEEE 10th International Conference on Research Challenges in Information Science* IEEE COMPUTER SOCIETY PRESS. <https://doi.org/10.1109/RCIS.2016.7549301>

- Korpi, D., Anttila, L., & Valkama, M. (2016). Asymmetric full-duplex with contiguous downlink carrier aggregation. teoksessa *2016 IEEE 17th International Workshop on Signal Processing Advances in Wireless Communications (SPAWC)* IEEE. <https://doi.org/10.1109/SPAWC.2016.7536807>
- 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>
- 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>
- Xing, H., & Renfors, M. (2016). Multi-carrier CDMA for network assisted device-to-device communications for an integrated OFDMA cellular system. teoksessa *2016 IEEE 83rd Vehicular Technology Conference (VTC Spring)* <https://doi.org/10.1109/VTCSpring.2016.7504354>
- Dikmese, S., Ilyas, Z., Sofotasios, P., Renfors, M., & Valkama, M. (2016). Novel frequency domain cyclic prefix autocorrelation based compressive spectrum sensing for cognitive radio. teoksessa *2016 IEEE 83rd Vehicular Technology Conference (VTC Spring)* IEEE. <https://doi.org/10.1109/VTCSpring.2016.7504368>
- 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>
- 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* (Sivut 45-51). ACM. <https://doi.org/10.1145/2914920.2915015>
- 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)* (Sivut 879-884). Institute of Electrical and Electronics Engineers IEEE. <https://doi.org/10.1109/ICIT.2016.7474867>
- Mäkitalo, N., Aaltonen, T., & Mikkonen, T. (2016). Coordinating proactive social devices in a mobile cloud: Lessons learned and a way forward. teoksessa *MOBILESoft '16 Proceedings of the International Conference on Mobile Software Engineering and Systems* (Sivut 179-188). ACM. <https://doi.org/10.1145/2897073.2897079>
- Ometov, A., Masek, P., Malina, L., Florea, R., Hosek, J., Andreev, S., ... 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>
- 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)* (Sivut 329-333). IEEE. <https://doi.org/10.1109/FIT.2015.64>
- Garcia-Fernandez, J., Joutsiniemi, A., Ahn, Y., & Fernandez, J. J. (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* (Sivut 207-208). IEEE. <https://doi.org/10.1109/DigitalHeritage.2015.7419495>
- 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>

- Aalto, T., Harjanne, M., Offrein, B. J., Caër, C., Neumeyr, C., Malacarne, A., ... Melanen, P. (2016). Integrating III-V, Si, and polymer waveguides for optical interconnects: RAPIDO. teoksessa *Optical Interconnects XVI* [97530D] (Proceedings of SPIE; Vuosikerta 9753). SPIE. <https://doi.org/10.1117/12.2214786>
- Zia, N., Viheriälä, J., Koskinen, R., Koskinen, M., Suomalainen, S., & Guina, M. (2016). Fabrication and characterization of broadband superluminescent diodes for 2 μm wavelength. teoksessa *Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XX* [97680Q] (Proceedings of SPIE; Vuosikerta 9768). SPIE. <https://doi.org/10.1117/12.2209720>
- Viheriälä, J., Aho, A. T., Mäkelä, J., Salmi, J., Virtanen, H., Leinonen, T., ... 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* [97330Q] (SPIE Conference Proceedings; Vuosikerta 9733). SPIE. <https://doi.org/10.1117/12.2207423>
- Afolaranmi, S. O., Gonzalez Moctezuma, L. E., Rak, M., Casola, V., Rios, E., & Martinez Lastra, J. L. (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* (Vuosikerta 1, Sivut 327-332). SCITEPRESS. <https://doi.org/10.5220/0005912603270332>
- Fotiadi, A. A., Korobko, D. A., Okhotnikov, O. G., & Zolotovskii, I. O. (2016). Optical fiber amplifier with spectral compression elements for high-power laser pulse generation. teoksessa *Nonlinear Optics and its Applications IV* (Vuosikerta 9894). [989411] (Proceedings of SPIE; Vuosikerta 9894). SPIE. <https://doi.org/10.1117/12.2223637>
- Isotalo, T. J., & Niemi, T. (2016). Dots-on-the-fly electron beam lithography. teoksessa C. Bencher (Toimittaja), *SPIE Proceedings: Alternative Lithographic Technologies VIII* (Vuosikerta 9777). [97771E] (Proceedings of SPIE). SPIE. <https://doi.org/10.1117/12.2219136>
- 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* (Sivut 44-55). SCITEPRESS.
- Frantc, V. A., Makov, S. V., Voronin, V. V., Marchuk, V. I., Semenishchev, E. A., Egiazarian, K. O., & Agaian, S. (2016). Simultaneous binary hash and features learning for image retrieval. teoksessa *Mobile Multimedia/Image Processing, Security, and Applications 2016* [986902] (SPIE Conference Proceedings; Vuosikerta 9869). SPIE. <https://doi.org/10.1117/12.2223605>
- Moirangthem, M., Stumpel, J. E., Alp, B., Teunissen, P., Bastiaansen, C. W. M., & Schenning, A. P. H. J. (2016). Hot pen and laser writable photonic polymer films. teoksessa *Emerging Liquid Crystal Technologies XI* (Vuosikerta 9769). [97690Y] SPIE. <https://doi.org/10.1117/12.2209065>
- 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* (Sivut 189-192). IEEE. <https://doi.org/10.1109/INFOCOMMST.2015.7357309>
- Kozhemiakina, N., Lukin, V., Ponomarenko, N., Akulynichev, A., Astola, J., & Egiazarian, K. (2015). Method of data compression for traffic monitoring. teoksessa *2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings* (Sivut 153-156). IEEE. <https://doi.org/10.1109/INFOCOMMST.2015.7357299>
- 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)* (Sivut 224-226). IEEE. <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* (Sivut 230-233). [7357321] Institute of Electrical and Electronics Engineers Inc.. <https://doi.org/10.1109/INFOCOMMST.2015.7357321>

Shahriar, M. S., & Rahman, M. S. (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* (Sivut 19-22). ACM. <https://doi.org/10.1145/2820975.2820979>

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* (Sivut 211-213). Association for Computing Machinery, Inc. <https://doi.org/10.1145/2818187.2818287>

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

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* (Sivut 81-88). [7194274] Institute of Electrical and Electronics Engineers Inc.. <https://doi.org/10.1109/IE.2015.19>

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

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* (Sivut 229-234). [7160270] The Institute of Electrical and Electronics Engineers, Inc.. <https://doi.org/10.1109/MIPRO.2015.7160270>

Huusari, T., Choi, Y. S., 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>

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* (Vuosikerta 2015-July). The Institute of Electrical and Electronics Engineers, Inc.. <https://doi.org/10.1109/VTCspring.2015.7146031>

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* (Sivut 52-57). IEEE. <https://doi.org/10.1109/MeMeA.2015.7145171>

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

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

Naumenko, V. V., Solodovnik, V. F., Totsky, A. V., Zelensky, A. A., & Astola, J. T. (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>

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., Sivut 2352-2357). Institute of Electrical and Electronics Engineers Inc.. <https://doi.org/10.1109/ICIT.2015.7125445>

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* (Sivut 97-102). [7033715] Piscataway, NJ, USA: IEEE. <https://doi.org/10.1109/UPINLBS.2014.7033715>

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* (Sivut 183-187). The Institute of Electrical and Electronics Engineers, Inc.. <https://doi.org/10.1109/CIES.2014.7011849>

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

Khonsari, Z., Björninen, T., Tentzeris, M. M., 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* (Sivut 153-155). IEEE. <https://doi.org/10.1109/RWS.2015.7129721>

Heikkinen, J., Gumenyuk, R., Rantamäki, A., Lyytikäinen, J., Leinonen, T., Zolotovskii, I., ... Okhotnikov, O. G. (2015). Power and wavelength scaling using semiconductor disk laser - bismuth fiber MOPA systems. teoksessa M. Guina (Toimittaja), *Vertical External Cavity Surface Emitting Lasers (VECSELs) V* [93490E] (Proceedings of SPIE; Vuosikerta 9349). BELLINGHAM: SPIE. <https://doi.org/10.1117/12.2076805>

Ledentsov, N. N., Shchukin, V. A., Lyytikäinen, J., Okhotnikov, O., Cherkashin, N. A., Shernyakov, Y. M., ... 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* (Vuosikerta 9383). [93830E] SPIE. <https://doi.org/10.1117/12.2083953>

Suominen, O., & Gotchev, A. (2015). Preserving natural scene lighting by strobe-lit video. teoksessa *Image Processing: Algorithms and Systems XIII* [939919] (SPIE Conference Proceedings; Vuosikerta 9399). SPIE. <https://doi.org/10.1117/12.2185013>

Frosio, I., Egiazarian, K., & Pulli, K. (2015). Machine learning for adaptive bilateral filtering. teoksessa *Image Processing: Algorithms and Systems XIII* (Vuosikerta 9399). [939908] (Proceedings of SPIE - The International Society for Optical Engineering). SPIE. <https://doi.org/10.1117/12.2077733>

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* [939916] (SPIE Conference Proceedings; Vuosikerta 9399). SPIE. <https://doi.org/10.1117/12.2086901>

Voronin, V. V., Frantc, V. A., Marchuk, V. I., Sherstobitov, A. I., & Egiazarian, K. (2015). No-reference visual quality assessment for image inpainting. teoksessa *Image Processing: Algorithms and Systems XIII* [93990U] (SPIE Conference Proceedings; Vuosikerta 9399). SPIE. <https://doi.org/10.1117/12.2076507>

- 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* [93990T] (SPIE Conference Proceedings; Vuosikerta 9399). SPIE. <https://doi.org/10.1117/12.2086895>
- Rubel, A. S., Lukin, V. V., & 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* (Vuosikerta 9399). [93990P] SPIE. <https://doi.org/10.1117/12.2082533>
- Voronin, V. V., Marchuk, V. I., Fisunov, A. V., Tokareva, S. V., & Egiazarian, K. O. (2015). Depth map occlusion filling and scene reconstruction using modified exemplar-based inpainting. teoksessa *Image Processing: Algorithms and Systems XIII* [93990S] (SPIE Conference Proceedings; Vuosikerta 9399). SPIE. <https://doi.org/10.1117/12.2076506>
- 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* (Vuosikerta 9349). [93490U] SPIE. <https://doi.org/10.1117/12.2079480>
- Korpijärvi, V-M., Kantola, E. L., Leinonen, T., & Guina, M. (2015). Monolithic GaInNAsSb/GaAs VECSEL emitting at 1550 nm. teoksessa *SPIE conference proceedings* (Vuosikerta 9349). [93490D] SPIE. <https://doi.org/10.1117/12.2077517>
- Leinonen, T., Penttinen, J. P., Korpijärvi, V. M., Kantola, E., & Guina, M. (2015). >8W GaInNAs VECSEL emitting at 615 nm. teoksessa *Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) V* (Vuosikerta 9349). [934909] SPIE. <https://doi.org/10.1117/12.2079162>
- Lukin, V. V., Ponomarenko, N. N., 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* (Vuosikerta 9394). [93940K] SPIE. <https://doi.org/10.1117/12.2085465>
- AbuJarour, S., Pawlowski, J., Bick, M., Bagucanskyte, M., Frankenberg, A., Hudak, R., ... Volungeviciene, A. (2015). Idea-space: A use case of collaborative course development in higher education. teoksessa *Wissens-Gemeinschaften 2015* (Sivut 149-156). TUDpress Verlag der Wissenschaften GmbH.
- 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* (Sivut 125-126). Apprimus Verlag.
- Ye, C., Koponen, J., Aallos, V., Kokki, T., Petit, L., & Kimmelma, O. (2015). Measuring bend losses in large-mode-area fibers. teoksessa *Fiber Lasers XII: Technology, Systems, and Applications* (Vuosikerta 9344). [934425] SPIE. <https://doi.org/10.1117/12.2076813>
- Cho, C., Yi, X., Wang, Y., & Tentzeris, M. M. (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* (Vuosikerta 2, Sivut 864-872). DEStech Publications.
- 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"* (Sivut 159-166). Association for Computing Machinery, Inc. <https://doi.org/10.1145/2676467.2676522>
- 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"* (Sivut 49-56). Association for Computing Machinery, Inc. <https://doi.org/10.1145/2676467.2676514>

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"* (Sivut 19-22). Association for Computing Machinery, Inc. <https://doi.org/10.1145/2676467.2676513>

Salmela, J. M., 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"* (Sivut 192-199). Association for Computing Machinery, Inc. <https://doi.org/10.1145/2676467.2676488>

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

Juhola, M., Joutsijoki, H., Varpa, K., Saarikoski, J., Rasku, J., Iltanen, 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* (Sivut 1444-1447). [6943872] Institute of Electrical and Electronics Engineers Inc.. <https://doi.org/10.1109/EMBC.2014.6943872>

Kimionis, J., & Tentzeris, M. M. (2014). RF tag front-end design for uncompromised communication and harvesting. teoksessa *2014 IEEE RFID Technology and Applications Conference, RFID-TA 2014* (Sivut 109-114). [6934210] Institute of Electrical and Electronics Engineers Inc.. <https://doi.org/10.1109/RFID-TA.2014.6934210>

He, Y., Pan, Z., Yang, J., Sun, G., & Tentzeris, M. M. (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* (Sivut 1022-1026). [6906495] Institute of Electrical and Electronics Engineers Inc.. <https://doi.org/10.1109/IWCMC.2014.6906495>

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

De Wit, J. J. M., Harmanny, R. I. A., & 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>

Farooq, A., Evreinov, G., Raisamo, R., & Majeed, A. A. (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* (Sivut 25-31). [7029316] Institute of Electrical and Electronics Engineers Inc.. <https://doi.org/10.1109/ICOSST.2014.7029316>

Farooq, A., Evreinov, G., Raisamo, R., Mäkinen, E., Nukarinen, T., & Majeed, A. A. (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* (Sivut 32-42). [7029317] Institute of Electrical and Electronics Engineers Inc.. <https://doi.org/10.1109/ICOSST.2014.7029317>

Michalás, 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* [6912480] Institute of Electrical and Electronics Engineers Inc.. <https://doi.org/10.1109/ISCC.2014.6912480>

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* (Vuosikerta 9134). [91340Z] (SPIE Conference Proceedings; Vuosikerta 9134). SPIE. <https://doi.org/10.1117/12.2054716>

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

Stumpel, J. E., Broer, D. J., Bastiaansen, C. W. M., & Schenning, A. P. H. J. (2014). Optical and topographic changes in water-responsive patterned cholesteric liquid crystalline polymer coatings. teoksessa *Proceedings of SPIE: Organic Photonics VI* (Vuosikerta 9137). [91370U] (Proceedings of SPIE: the International Society for Optical Engineering). SPIE. <https://doi.org/10.1117/12.2052678>

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* (Vuosikerta 9011). [90110Q] SPIE. <https://doi.org/10.1117/12.2035280>

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.

Ye, C., Koponen, J., Aallos, V., Petit, L., Kimmelma, O., & Kokki, T. (2014). Mode coupling in few-mode large-mode-area fibers. teoksessa *Fiber Lasers XI: Technology, Systems, and Applications* (Vuosikerta 8961). [89612W] SPIE. <https://doi.org/10.1117/12.2038575>

Du, L., Prasauskas, T., Leivo, V., Turunen, M., Aaltonen, A., Kiviste, M., ... 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* (Sivut 637-639). International Society of Indoor Air Quality and Climate .

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

Cho, C., Yi, X., Wang, Y., Tentzeris, M. M., & Leon, R. T. (2014). Compressive strain measurement using RFID patch antenna sensors. teoksessa *Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2014* (Vuosikerta 9061). [90610X] SPIE. <https://doi.org/10.1117/12.2045122>

Saintsing, C. D., Cook, B. S., & Tentzeris, M. M. (2014). An origami inspired reconfigurable spiral antenna. teoksessa *38th Mechanisms and Robotics Conference* (Vuosikerta 5B). The American Society of Mechanical Engineers ASME. <https://doi.org/10.1115/DETC201435353>

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* (Sivut 359-361). International Society of Indoor Air Quality and Climate .

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

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>

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). 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>

Rosa, F. D., 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>

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 (Vuosikerta 2 B)*. [V02BT02A024] American Society of Mechanical Engineers. <https://doi.org/10.1115/DETC2013-13708>

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* (Sivut 245-258). University of Szeged.

Yi, X., Cho, C., Cook, B., Wang, Y., Tentzeris, M. M., & Leon, R. T. (2013). Design and simulation of a slotted patch antenna sensor for wireless strain sensing. teoksessa *Nondestructive Characterization for Composite Materials, Aerospace Engineering, Civil Infrastructure, and Homeland Security 2013* (Vuosikerta 8694). [86941J] <https://doi.org/10.1117/12.2009233>

Aluigi, L., Thai, T. T., Tentzeris, M. M., 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). [6486688] <https://doi.org/10.1109/RWS.2013.6486688>

Kawahara, Y., Wei, W., Narusue, Y., Shigeta, R., Asami, T., & Tentzeris, M. (2013). Virtualizing power cords by wireless power transmission and energy harvesting. teoksessa *RSW 2013 - 2013 IEEE Radio and Wireless Symposium - RWW 2013* (Sivut 37-39). [6486633] <https://doi.org/10.1109/RWS.2013.6486633>

Pons, P., Aubert, H., & Tentzeris, M. (2013). Wireless chipless passive electromagnetic transducers for SHM applications. teoksessa *Structural Health Monitoring 2013: A Roadmap to Intelligent Structures - Proceedings of the 9th International Workshop on Structural Health Monitoring, IWSHM 2013* (Vuosikerta 1, Sivut 577-584). DEStech Publications.

Yi, X., Wang, Y., Tentzeris, M. M., & Leon, R. T. (2013). Multi-physics modeling and simulation of a slotted patch antenna for wireless strain sensing. teoksessa *Structural Health Monitoring 2013: A Roadmap to Intelligent Structures - Proceedings of the 9th International Workshop on Structural Health Monitoring, IWSHM 2013* (Vuosikerta 2, Sivut 1857-1864). DEStech Publications.

Karavirta, V., Ihantola, P., & Koskinen, T. (2013). Service-oriented approach to improve interoperability of e-learning systems. teoksessa *Proceedings - 2013 IEEE 13th International Conference on Advanced Learning Technologies, ICALT 2013* (Sivut 341-345). [6601947] <https://doi.org/10.1109/ICALT.2013.105>

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). [6542239] <https://doi.org/10.1109/LaTiCE.2013.26>

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* [6607565] <https://doi.org/10.1109/ICME.2013.6607565>

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). [6162997] <https://doi.org/10.1109/WACV.2012.6162997>

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). [6338748] <https://doi.org/10.1109/ITSC.2012.6338748>

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

Aubert, H., Chebila, F., Jatlaoui, M., Thai, T., Hallil, H., Traille, A., ... 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). [6404554] <https://doi.org/10.1109/RFID-TA.2012.6404554>

Yi, X., Vyas, R., Cho, C., Fang, C. H., Cooper, J., Wang, Y., ... Tentzeris, M. M. (2012). Thermal effects on a passive wireless antenna sensor for strain and crack sensing. teoksessa *Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2012* (Vuosikerta 8345). [83450F] <https://doi.org/10.1117/12.914833>

Zhou, Z., Shen, C. C., Plishker, W., Wu, H. H., & Bhattacharyya, S. S. (2012). Systematic integration of flowgraph- and module-level parallelism in implementation of DSP applications on multiprocessor systems-on-chip. teoksessa *ICSP 2012 - 2012 11th International Conference on Signal Processing, Proceedings* (Vuosikerta 1, Sivut 402-408). [6491686] <https://doi.org/10.1109/ICoSP.2012.6491686>

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>

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>

Ponomarenko, N. N., Lukin, V. V., & Egiazarian, K. O. (2011). Visually lossless compression of synthetic aperture radar images. teoksessa *8th International Conference on Antenna Theory and Techniques, ICATT'11* (Sivut 263-265). [6170755] <https://doi.org/10.1109/ICATT.2011.6170755>

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* [6144931] <https://doi.org/10.1109/NESEA.2011.6144931>

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* (Vuosikerta P-182, Sivut 23-32). Gesellschaft fur Informatik (GI).

Neri, M., Campi, A., Suffritti, R., Grimaccia, F., Sinogas, P., Guye, O., ... 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* [6012133] <https://doi.org/10.1109/ICME.2011.6012133>

Bulling, A., Duchowski, A. T., & 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>

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)

