

- 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>
- Netzev, M., Angleraud, A., & Pieters, R. (2020). Soft robotic gripper with compliant cell stacks for industrial part handling. *IEEE Robotics and Automation Letters*, 5(4), 6821-6828. <https://doi.org/10.1109/LRA.2020.3020546>
- Terryn, L., Calders, K., Disney, M., Origo, N., Malhi, Y., Newnham, G., ... Verbeeck, H. (2020). Tree species classification using structural features derived from terrestrial laser scanning. *ISPRS Journal of Photogrammetry and Remote Sensing*, 168, 170-181. <https://doi.org/10.1016/j.isprsjprs.2020.08.009>
- Bardinova, Y., Zhidanov, K., Bezzateev, S., Komarov, M., & Ometov, A. (2020). Measurements of Mobile Blockchain Execution Impact on Smartphone Battery. *Data*, 5(3), [66]. <https://doi.org/10.3390/data5030066>
- Lampinen, S., Niemi, J., & Mattila, J. (2020). Flow-bounded trajectory-scaling algorithm for hydraulic robotic manipulators. teoksessa *2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020* (Sivut 619-624). (IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM). IEEE. <https://doi.org/10.1109/AIM43001.2020.9158851>
- Ghorbani, M., Dehmer, M., Cao, S., Feng, L., Tao, J., & Emmert-Streib, F. (2020). On the zeros of the partial Hosoya polynomial of graphs. *Information Sciences*, 524, 199-215. <https://doi.org/10.1016/j.ins.2020.03.011>
- Rostami, S., Kela, P., Leppanen, K., & Valkama, M. (2020). Wake-up Radio-Based 5G Mobile Access: Methods, Benefits, and Challenges. *IEEE Communications Magazine*, 58(7), 14-20. <https://doi.org/10.1109/MCOM.001.1900614>
- Samuylov, A., Moltchanov, D., Kovalchukov, R., Pirmagomedov, R., Gaidamaka, Y., Andreev, S., ... 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>
- 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>
- 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>
- 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>
- Kanellis, G., Oksanen, A., & Konttinen, J. (2020). Adjoint-based optimization in the development of low-emission industrial boilers. *Engineering Optimization*. <https://doi.org/10.1080/0305215X.2020.1781842>
- Phung, 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>

- 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>
- 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>
- 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>
- Malik, A., Dhir, A., Kaur, P., & Johri, A. (2020). Correlates of social media fatigue and academic performance decrement: A large cross-sectional study. *INFORMATION TECHNOLOGY AND PEOPLE*. <https://doi.org/10.1108/ITP-06-2019-0289>
- Nejadsattari, F., Zhang, Y., Jayakody, 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>
- 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>
- Jylhä, H., & Hamari, J. (2020). Development of measurement instrument for visual qualities of graphical user interface elements (VISQUAL): a test in the context of mobile game icons. *User Modeling and User-Adapted Interaction*. <https://doi.org/10.1007/s11257-020-09263-7>
- Ali, I., Durmush, A., Suominen, O., Yli-Hietanen, J., Peltonen, S., Collin, J., & Gotchev, A. (2020). FinnForest dataset: A forest landscape for visual SLAM. *ROBOTICS AND AUTONOMOUS SYSTEMS*, 132, [103610]. <https://doi.org/10.1016/j.robot.2020.103610>
- 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>
- Elfgen, S., Rasilo, P., & Hameyer, K. (2020). Hysteresis and eddy-current losses in electrical steel utilising edge degradation due to cutting effects. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*. <https://doi.org/10.1002/jnm.2781>
- Gao, H., Tao, J., Dehmer, M., Emmert-Streib, F., Sun, Q., Chen, Z., ... 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>
- Andreev, S., Dobre, C., & Misra, P. (2020). Internet of Things and Sensor Networks. *IEEE Communications Magazine*, 58(2), 34-34. <https://doi.org/10.1109/MCOM.2020.8999424>
- Lenk, K., Gleirscher, M., Nestler, S., Rödiger, S., Petersen, T., & Loebel, 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>
- Hemmilä, S., Ruponen, M., Toropainen, E., Tengvall-Unadike, U., Urtti, A., & Kallio, P. (2020). Microflow-Based Device for In Vitro and Ex Vivo Drug Permeability Studies. *SLAS Technology*. <https://doi.org/10.1177/2472630320916190>

Moloudian, G., Miri Rostami, 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>

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

Baldassarre, 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>

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>

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

Kulya, 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>

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.

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>

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>

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>

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>

- 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>
- Pirkkalainen, H., Salo, M., Tarafdar, M., & Makkonen, M. (2019). Deliberate or Instinctive? Proactive and Reactive Coping for Technostress. *Journal of Management Information Systems*, *36*(4), 1179-1212. <https://doi.org/10.1080/07421222.2019.1661092>
- Räsänen, O., Seshadri, S., Karadayi, J., Riebling, E., Bunce, J., Cristia, A., ... Soderstrom, M. (2019). Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech. *Speech Communication*, *113*, 63-80. <https://doi.org/10.1016/j.specom.2019.08.005>
- Lwakatare, 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>
- 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>
- Andreev, S., & Dobre, C. (2019). The Internet of Things and Sensor Networks. *IEEE Communications Magazine*, *57*(9), 70-70. <https://doi.org/10.1109/MCOM.2019.8847229>
- Yu, G., Dehmer, M., Emmert-Streib, F., & Jodlbauer, H. (2019). Hermitian normalized Laplacian matrix for directed networks. *Information Sciences*, *495*, 175-184. <https://doi.org/10.1016/j.ins.2019.04.049>
- Jameel, F., Chang, Z., Huang, J., & Ristaniemi, T. (2019). Internet of Autonomous Vehicles: Architecture, Features, and Socio-Technological Challenges. *IEEE Wireless Communications*, *26*(4), 21-29. [8809655]. <https://doi.org/10.1109/MWC.2019.1800522>
- Yang, D., Qian, Y., Cai, D., Yan, S., Kämäräinen, J-K., & Chen, K. (2019). Visibility-Aware Part Coding for Vehicle Viewing Angle Estimation. teoksessa *9th International Conference on Information Science and Technology, ICIST 2019* (Sivut 65-70). IEEE. <https://doi.org/10.1109/ICIST.2019.8836907>
- Robertsén, F., Mattila, K., & Westerholm, J. (2019). High-performance SIMD implementation of the lattice-Boltzmann method on the Xeon Phi processor. *Concurrency Computation*, *31*(13), [e5072]. <https://doi.org/10.1002/cpe.5072>
- 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>
- 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>
- 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>

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>

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>

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

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>

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>

Andreev, S., Petrov, V., Dohler, M., & Yanikomeroglu, H. (2019). Future of Ultra-Dense Networks Beyond 5G: Harnessing Heterogeneous Moving Cells. *IEEE Communications Magazine*, 57(6), 66-92. [8722593]. <https://doi.org/10.1109/MCOM.2019.1800056>

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

Humaloja, 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>

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>

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>

- 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>
- 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., Coatanea, 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>
- 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>
- 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>
- Heimberger, 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>
- 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>
- 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>
- Ponomarenko, M., Miroshnichenko, O., Lukin, V., & Egiazarian, K. (2019). Additional lossless compression of JPEG images based on BPG. teoksessa *Image Processing: Algorithms and Systems XVII* (IS and T International Symposium on Electronic Imaging Science and Technology). <https://doi.org/10.2352/ISSN.2470-1173.2019.11.IPAS-263>
- Ieremeiev, O., Lukin, V., Ponomarenko, N., & Egiazarian, K. (2019). Combined no-reference IQA metric and its performance analysis. teoksessa *Image Processing: Algorithms and Systems XVII* (IS and T International Symposium on Electronic Imaging Science and Technology). <https://doi.org/10.2352/ISSN.2470-1173.2019.11.IPAS-260>

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

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

Begishev, 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>

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

Viheriälä, J., Tuorila, H., Zia, N., Cherchi, M., Aalto, T., & Guina, M. (2019). 1.3µm U-bend traveling wave SOA devices for high efficiency coupling to silicon photonics. 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>

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>

Yadav, A., Chichkov, N. B., Gumenyuk, R., Zherebtsov, E., Melkumov, M. A., Yashkov, M. V., ... Rafailov, E. U. (2019). 405-nm pumped Ce³⁺-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>

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>

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

Zakeri, F. S., Bätz, M., Jaschke, T., Keinert, J., & Chuchvara, A. (2019). Benchmarking of several disparity estimation algorithms for light field processing. teoksessa S. Bazeille, 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>

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>

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

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>

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>

Tavella, F., Giaretta, 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>

Kuusisto, A., & Reiter, F. (2019). Emptiness problems for distributed automata. *Information and Computation*, [104503]. <https://doi.org/10.1016/j.ic.2019.104503>

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

Joshy, A., Dsouza, R., Muthirulan, V., & Sachidananda, 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>

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>

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>

Pitkänen, T. P., Raumonon, P., & Kangas, A. (2019). Measuring stem diameters with TLS in boreal forests by complementary fitting procedure. *ISPRS Journal of Photogrammetry and Remote Sensing*, *147*, 294-306. <https://doi.org/10.1016/j.isprsjprs.2018.11.027>

Kahle, H., Penttinen, 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>

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

Radevici, I., Sadi, T., Tripurari, T., Tiira, J., Ranta, S., Tukiainen, A., ... 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>

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>

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

Martins, 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>

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>

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>

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>

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>

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>

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

Martins, L., Neeli-Venkata, R., Oliveira, 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>

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

Mäki, A. J., Verho, J., Kreutzer, J., Rynnänen, 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>

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

- Mäenpää, H., Mäkinen, S., Kilamo, T., Mikkonen, T., Männistö, T., & Ritala, P. (2018). Organizing for openness: six models for developer involvement in hybrid OSS projects. *Journal of Internet Services and Applications*, 9(1), [17]. <https://doi.org/10.1186/s13174-018-0088-1>
- 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>
- Ivanov, P., Raitoharju, M., & Piché, R. (2018). Kalman-Type Filters and Smoothers for Pedestrian Dead Reckoning. teoksessa *IPIN 2018 - 9th International Conference on Indoor Positioning and Indoor Navigation* IEEE. <https://doi.org/10.1109/IPIN.2018.8533753>
- Nogueira, 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>
- 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>
- Petrov, V., Andreev, S., Gerla, M., & Koucheryavy, Y. (2018). Breaking the limits in urban video monitoring: Massive crowd sourced surveillance over vehicles. *IEEE Wireless Communications*, 25(5), 104-112. <https://doi.org/10.1109/MWC.2018.1700415>
- Pertuz, S., Pulido-Herrera, E., & Kämäräinen, J-K. (2018). Focus model for metric depth estimation in standard plenoptic cameras. *ISPRS Journal of Photogrammetry and Remote Sensing*, 144, 38-47. <https://doi.org/10.1016/j.isprsjprs.2018.06.020>
- Dehmer, M., Chen, Z., Emmert-Streib, F., Shi, Y., & Tripathi, S. (2018). Graph measures with high discrimination power revisited: A random polynomial approach. *Information Sciences*, 467, 407-414. <https://doi.org/10.1016/j.ins.2018.07.072>
- Ma, H., Yu, S., Gabbouj, M., & Mueller, P. (2018). Guest Editorial Special Issue on Multimedia Big Data in Internet of Things. *IEEE Internet of Things Journal*, 5(5), 3405-3407. [8534720]. <https://doi.org/10.1109/JIOT.2018.2875580>
- 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>

- 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>
- 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>
- 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/SYSOSE.2018.8428785>
- 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>
- 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>
- 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>
- 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>
- 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>
- Sheikh, M. U., Biswas, R., & Lempäinen, 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>
- Gapeyenko, M., Bor-Yaliniz, I., Andreev, S., Yanikomeroğlu, H., & Koucheryavy, Y. (2018). Effects of blockage in deploying mmWave drone base stations for 5g networks and beyond. teoksessa *2018 IEEE International Conference on Communications Workshops* (Sivut 1-6). IEEE. <https://doi.org/10.1109/ICCW.2018.8403671>

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

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

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

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

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>

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>

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>

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

Petrov, V., 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>

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

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

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

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

- Heikkilä, J., Martinsuo, M., & Nenonen, S. (2018). Backshoring of production in the context of a small and open Nordic economy. *Journal of Manufacturing Technology Management*, 29(4), 658-675. <https://doi.org/10.1108/JMTM-12-2016-0178>
- Petrone, G., Romanelli, S., Spagnuolo, G., & Valkealahti, S. (2018). Photovoltaic plant cloud shadowing and energy drops in Northern Europe. teoksessa *2018 IEEE International Conference on Industrial Technology (ICIT)* (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>
- 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>
- 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>
- 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>
- 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>
- 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>

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>

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

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

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>

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

Noronen, T., Fedotov, A., Rissanen, J., Gumenyuk, R., Butov, O., Chamorovskii, Y., ... 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>

Voronin, V., Pismenskova, M., Zelensky, A., Cen, Y., Nadykto, A., & Eguiazarian, K. (2018). Action recognition using the 3D dense microblock difference. teoksessa *Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies II* [108020O] (Proceedings of SPIE; Vuosikerta 10802). SPIE. <https://doi.org/10.1117/12.2326801>

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

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

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>

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>

- Battisti, F., Carli, M., De Paola, E., & Egiazarian, K. (2018). Deep p-Fibonacci scattering networks. teoksessa *Electronic Imaging: Image Processing: Algorithms and Systems XVI* Society for Imaging Science and Technology. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-193>
- Järvinen, H., Honkanen, M., Järvenpää, M., & Peura, P. (2018). Effect of paint baking treatment on the properties of press hardened boron steels. *Journal of Materials Processing Technology*, 252, 90-104. <https://doi.org/10.1016/j.jmatprotec.2017.08.027>
- Niemelä, P., & Valmari, A. (2018). Elementary math to close the digital skills gap. teoksessa *CSEDU 2018 - Proceedings of the 10th International Conference on Computer Supported Education* (Vuosikerta 2, Sivut 154-165). SCITEPRESS. <https://doi.org/10.5220/0006800201540165>
- Hamari, J., Hassan, L., & Dias, A. (2018). Gamification, quantified-self or social networking? Matching users' goals with motivational technology. *User Modeling and User-Adapted Interaction*, 28(1), 35–74. <https://doi.org/10.1007/s11257-018-9200-2>
- Mateos, X., Loiko, P., Lamrini, S., Scholle, K., Fuhrberg, P., Suomalainen, S., ... 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>
- Morschheuser, B., Hassan, L., Werder, K., & Hamari, J. (2018). How to design gamification? A method for engineering gamified software. *Information and Software Technology*, 95, 219-237. <https://doi.org/10.1016/j.infsof.2017.10.015>
- Karioja, P., Alajoki, T., Cherchi, M., Ollila, J., Harjanne, M., Heinilehto, N., ... 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>
- 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>
- 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>
- Ponomarenko, M., Katkovnik, V., & Egiazarian, K. (2018). Methods and tools for denoising of complex-valued images based on block-matching and high order singular value decomposition. teoksessa *Electronic Imaging: Image Processing: Algorithms and Systems XVI* Society for Imaging Science and Technology. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-306>
- van Mellaert, R., Mela, K., Tiainen, T., Heinisuo, M., Lombaert, G., & Schevenels, M. (2018). Mixed-integer linear programming approach for global discrete sizing optimization of frame structures. *Structural and Multidisciplinary Optimization*, 57(2), 579–593. <https://doi.org/10.1007/s00158-017-1770-9>
- Boashash, B., Aïssa-El-Bey, A., & Al-Sa'd, 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., 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>

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

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

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

Ometov, A., Daneshfar, N., Hazmi, A., Andreev, S., Del Carpio, 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>

Kellomäki, T. (2017). Fast Water Simulation Methods for Games. *Computers in Entertainment*, 16(1), [2]. <https://doi.org/10.1145/2700533>

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

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

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

Koivumäki, J., & Mattila, J. (2017). Adaptive and nonlinear control of discharge pressure for variable displacement axial piston pumps. *Journal of Dynamic Systems, Measurement and Control: Transactions of the ASME*, 139(10), [101008]. <https://doi.org/10.1115/1.4036537>

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

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

Marshoud, H., Sofotasios, 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>

Leppänen, L., Leinonen, J., Ihanntola, 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>

Pohjola, J., Turunen, J., & Lipping, T. (2017). *The effect of lake bottom sediment layers on radionuclide transport from bedrock to biosphere and doses to humans*. 439-440. Julkaisun esittämispaiikka: 4th International Conference on Radioecology & Environmental Radioactivity, Berlin, Saksa.

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

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

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

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

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>

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>

Rajan, D. K., Verho, J., Kreutzer, J., Valimäki, 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>

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

Orsino, A., Araniti, G., Scopelliti, P., Gudkova, 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>

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>

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>

- 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>
- 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>
- 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>
- 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>
- Mattila, J., Semini, C., Moon, H., Buchli, J., Hyon, S., Li, P. Y., & Yao, B. (2017). Guest editorial introduction to the focused section on design and control of hydraulic robots. *IEEE - ASME Transactions on Mechatronics*, 22(2), 585-588. <https://doi.org/10.1109/TMECH.2017.2668611>
- Petrov, V., Komarov, M., Moltchanov, D., Jornet, 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>
- 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>
- Chaudhary, S., Berki, E., Nykänen, P., Zolotavkin, Y., Helenius, M., & Kela, J. (2017). Towards a conceptual framework for privacy protection in the use of interactive 360° video surveillance. teoksessa *2016 22nd International Conference on Virtual System & Multimedia (VSMM)* IEEE. <https://doi.org/10.1109/VSMM.2016.7863179>
- Siiskonen, A., & Priimägi, A. (2017). Benchmarking DFT methods with small basis sets for the calculation of halogen-bond strengths. *Journal of Molecular Modeling*, 23(2), [50]. <https://doi.org/10.1007/s00894-017-3212-4>
- 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>
- Rahmatallah, Y., Zybilov, 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>
- 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>
- 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>
- 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>

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>

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>

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>

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.

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>

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

Niutanen, V., Hölltä-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.

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>

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>

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>

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.

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

- Vihervaara, J., & Alapaholuoma, T. (2017). Internet of Things: Opportunities for vocational education and training: Presentation of the pilot project. teoksessa *CSEDU 2017 - Proceedings of the 9th International Conference on Computer Supported Education* (Sivut 476-480). SCITEPRESS. <https://doi.org/10.5220/0006353204760480>
- 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>
- 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>
- 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>
- Orsino, A., Samuylov, A., Moltchanov, D., Andreev, S., Militano, L., Araniti, G., & Koucheryavy, Y. (2017). Time-Dependent Energy and Resource Management in Mobility-Aware D2D-Empowered 5G Systems. *IEEE Wireless Communications*, *24*(4), 14-22. <https://doi.org/10.1109/MWC.2017.1600393>
- Babahajiani, P., Fan, L., Kämäräinen, J-K., & Gabbouj, M. (2017). Urban 3D segmentation and modelling from street view images and LiDAR point clouds. *Machine Vision and Applications*, *28*(7), 679-694. <https://doi.org/10.1007/s00138-017-0845-3>
- Niemi, E., & Pekkola, S. (2017). Using enterprise architecture artefacts in an organisation. *Enterprise Information Systems*, *11*(3), 313-338. <https://doi.org/10.1080/17517575.2015.1048831>
- Ruokonen, A., Wu, Z., & Lu, R. (2016). Describing mobile devices as RESTful services for the end-users. teoksessa *2016 IEEE International Conference on Mobile Services (MS)* (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>
- 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>
- 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>
- 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>
- 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>

- 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>
- Hildén, E., Vääätäjä, 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>
- Mattila, A-L., Ihanola, P., Kilamo, T., Luoto, A., Nurminen, M., & Vääätäjä, 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>
- Jumisko-Pyykkö, S., Pesonen, E., & Vääätäjä, 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>
- 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>
- 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>
- Zhu, S., Zeng, B., Zeng, L., & Gabbouj, M. (2016). Image interpolation based on non-local geometric similarities and directional gradients. *IEEE Transactions on Multimedia*, 18(9), 1707-1719. <https://doi.org/10.1109/TMM.2016.2593039>
- Ruohonen, J., Hyrynsalmi, S., & Leppänen, V. (2016). Trading exploits online: A preliminary case study. teoksessa *IEEE RCIS 2016 - IEEE 10th International Conference on Research Challenges in Information Science* IEEE COMPUTER SOCIETY PRESS. <https://doi.org/10.1109/RCIS.2016.7549301>
- Korpi, D., Anttila, L., & Valkama, M. (2016). Asymmetric full-duplex with contiguous downlink carrier aggregation. teoksessa *2016 IEEE 17th International Workshop on Signal Processing Advances in Wireless Communications (SPAWC)* IEEE. <https://doi.org/10.1109/SPAWC.2016.7536807>
- Andreev, S., Galinina, O., Pyattaev, A., Hosek, J., Masek, P., Yanikomeroglu, H., & Koucheryavy, Y. (2016). Exploring synergy between communications, caching, and computing in 5G-grade deployments. *IEEE Communications Magazine*, 54(8), 60-69. <https://doi.org/10.1109/MCOM.2016.7537178>
- Ometov, A., Orsino, A., Militano, L., Moltchanov, D., Araniti, G., Olshannikova, E., ... Mikkonen, T. (2016). Toward trusted, social-aware D2D connectivity: Bridging across the technology and sociality realms. *IEEE Wireless Communications*, 23(4), 103-111. <https://doi.org/10.1109/MWC.2016.7553033>
- Soini, J., Sillberg, P., Rantanen, P., & Nummela, J. (2016). Portable sensor system for reliable condition measurement. teoksessa *2016 39th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2016 - Proceedings* (Sivut 1190-1195) <https://doi.org/10.1109/MIPRO.2016.7522320>

- Linna, P., Mäkinen, T., & Keto, H. (2016). Utilizing MOOCs in the development of education and training programs. teoksessa *2016 39th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2016 - Proceedings* (Sivut 861-864) <https://doi.org/10.1109/MIPRO.2016.7522260>
- Korpela, T., Suominen, O., Majanne, Y., Laukkanen, V., & Lautala, P. (2016). Robust data reconciliation of combustion variables in multi-fuel fired industrial boilers. *Control Engineering Practice*, *55*, 101-115. <https://doi.org/10.1016/j.conengprac.2016.07.002>
- Pyattaev, A., Johnsson, K., Andreev, S., & Koucheryavy, Y. (2016). A novel stochastic channel modeling approach for mmWave systems with beamforming. teoksessa *2016 IEEE 83rd Vehicular Technology Conference (VTC Spring)* IEEE. <https://doi.org/10.1109/VTCSpring.2016.7504091>
- Xing, H., & Renfors, M. (2016). Multi-carrier CDMA for network assisted device-to-device communications for an integrated OFDMA cellular system. teoksessa *2016 IEEE 83rd Vehicular Technology Conference (VTC Spring)* <https://doi.org/10.1109/VTCSpring.2016.7504354>
- Dikmese, S., Ilyas, Z., Sofotasios, P., Renfors, M., & Valkama, M. (2016). Novel frequency domain cyclic prefix autocorrelation based compressive spectrum sensing for cognitive radio. teoksessa *2016 IEEE 83rd Vehicular Technology Conference (VTC Spring)* IEEE. <https://doi.org/10.1109/VTCSpring.2016.7504368>
- Suominen, O., Mörsky, V., Ritala, R., & 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>
- 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>
- Emmert-Streib, F., Dehmer, M., & Shi, Y. (2016). Fifty years of graph matching, network alignment and network comparison. *Information Sciences*, *346-347*, 180-197. <https://doi.org/10.1016/j.ins.2016.01.074>
- Vihonen, J., Honkakorpi, J., Tuominen, J., Mattila, J., & Visa, A. (2016). Linear accelerometers and rate gyros for rotary joint angle estimation of heavy-duty mobile manipulators using forward kinematic modeling. *IEEE - ASME Transactions on Mechatronics*, *21*(3), 1765-1774. <https://doi.org/10.1109/TMECH.2016.2544352>
- Patrona, F., Iosifidis, A., Tefas, A., Nikolaidis, N., & Pitas, I. (2016). Visual Voice Activity Detection in the Wild. *IEEE Transactions on Multimedia*, *18*(6), 967-977. <https://doi.org/10.1109/TMM.2016.2535357>
- Hästbacka, D., & Zoitl, A. (2016). Towards semantic self-description of industrial devices and control system interfaces. teoksessa *2016 IEEE International Conference on Industrial Technology (ICIT)* (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>
- 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>
- 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>

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>

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>

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>

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

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

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

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

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

Isotalo, 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>

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>

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

Viheriälä, J., Aho, 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>

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>

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

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>

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>

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

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>

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>

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

Yunas, 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>

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

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>

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>

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, 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>

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

Luhtala, M., Karvonen, T., Pylväs, J., Ala-Kokko, A., Magica, R., Takeda, Y., & Turunen, M. (2015). Antroposeeni - A mixed reality game. teoksessa *ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference* (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>

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>

Kymäläinen, 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>

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

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

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

Rantala, M., Soini, J., & Kilamo, T. (2015). Gathering useful programming data; Analysis and insights from real-time collaborative editing. teoksessa *2015 38th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2015 - Proceedings* (Sivut 229-234). [7160270] The Institute of Electrical and Electronics Engineers, Inc.. <https://doi.org/10.1109/MIPRO.2015.7160270>

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

Rodrigues, 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>

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>

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

Huusari, T., Choi, 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>

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>

- 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- Pyattaev, A., Johnsson, K., Andreev, S., & Koucheryavy, Y. (2015). Communication challenges in high-density deployments of wearable wireless devices. *IEEE Wireless Communications*, 22(1), 12-18. <https://doi.org/10.1109/MWC.2015.7054714>
- M. Aref, M., Oftadeh, R., Ghabcheloo, R., & Mattila, J. (2015). Fault tolerant control architecture design for mobile manipulation in scientific facilities. *international Journal of Advanced Robotic Systems*, 12(4). <https://doi.org/10.5772/60038>
- Mygdalis, V., Iosifidis, A., Tefas, A., & Pitas, I. (2015). Video summarization based on Subclass Support Vector Data Description. teoksessa *IEEE SSCI 2014 - 2014 IEEE Symposium Series on Computational Intelligence - CIES 2014: 2014 IEEE Symposium on Computational Intelligence for Engineering Solutions, Proceedings* (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)

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.

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>

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>

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>

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>

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>

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>

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>

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

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

Ledentsov, 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>

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>

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.

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>

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>

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>

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.

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>

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

Heikkinen, J., Gumenyuk, R., Rantamäki, A., Lyytikäinen, J., Leinonen, T., Zolotovskii, I., ... 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>

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>

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>

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.

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>

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

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>

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

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

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

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

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

Franssila, H., Okkonen, J., & Savolainen, R. (2014). Email intensity, productivity and control in the knowledge worker's performance on the desktop. teoksessa *MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services"* (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>

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>

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>

Yigitcanlar, T., Lönnqvist, A., & Saloniemi, 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>

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>

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

Farooq, A., Evreinov, G., Raisamo, R., Mäkinen, E., Nukarinen, T., & Majeed, 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>

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>

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

Michalas, A., & Komninos, N. (2014). The lord of the sense: A privacy preserving reputation system for participatory sensing applications. teoksessa *2014 IEEE Symposium on Computers and Communications, ISCC 2014 - Proceedings* [6912480] Institute of Electrical and Electronics Engineers Inc.. <https://doi.org/10.1109/ISCC.2014.6912480>

Taylor, J., Altamirano-Medina, H., Shrubsole, C., Das, P., Biddulph, P., Davies, M., ... Oikonomou, E. (2014). *Tuberculosis transmission: Modelled impact of air-tightness in dwellings in the UK*. 60-67. Julkaisun esittämispäikka: 13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014, Hong Kong, Hongkong.

Das, P., Chalabi, Z., Davies, M., Hamilton, I., Jones, B., Mavrogianni, A., ... Taylor, J. (2014). *Using probabilistic sampling-based sensitivity analyses for indoor air quality modelling*. 553-555. Julkaisun esittämispäikkä: 13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014, Hong Kong, Hongkong.

Sand, A., & Rakkolainen, I. (2014). A hand-held immaterial volumetric display. teoksessa *Proceedings of SPIE-IS and T Electronic Imaging - Stereoscopic Displays and Applications XXV* (Vuosikerta 9011). [90110Q] SPIE. <https://doi.org/10.1117/12.2035280>

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>

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

Du, L., Prasauskas, T., Leivo, V., Turunen, M., Aaltonen, A., Kiviste, M., ... 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 .

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 .

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>

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.

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].

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>

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

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

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>

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>

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>

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>

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., Sallialmi, 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>

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

Sudusinghe, K., Won, S., Van Der Schaar, M., & Bhattacharyya, S. (2013). A novel framework for design and implementation of adaptive stream mining systems. teoksessa *2013 IEEE International Conference on Multimedia and Expo, ICME 2013* [6607565] <https://doi.org/10.1109/ICME.2013.6607565>

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

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

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 - RWS 2013* (Sivut 202-204). [6486688] <https://doi.org/10.1109/RWS.2013.6486688>

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>

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>

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>

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>

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>

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.

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

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

- Lin, Z., Le, T., Song, X., Yao, Y., Li, Z., Moon, 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>
- Karavirta, V., Ihanola, 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>
- 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>
- Iosifidis, A., Tefas, A., & Pitas, I. (2013). View-independent human action recognition based on multi-view action images and discriminant learning. teoksessa *2013 IEEE 11th IVMSP Workshop: 3D Image/Video Technologies and Applications, IVMSP 2013 - Proceedings* <https://doi.org/10.1109/IVMSPW.2013.6611931>
- Kawahara, Y., Wei, W., Narusue, Y., Shigeta, R., Asami, T., & Tentzeris, M. (2013). Virtualizing power cords by wireless power transmission and energy harvesting. teoksessa *RSW 2013 - 2013 IEEE Radio and Wireless Symposium - RWW 2013* (Sivut 37-39). [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.
- Rahmatallah, Y., Emmert-Streib, F., & Glazko, G. (2012). Gene set analysis for self-contained tests: Complex null and specific alternative hypotheses. *Bioinformatics*, 28(23), 3073-3080. <https://doi.org/10.1093/bioinformatics/bts579>
- Makni, N., Puech, P., Colin, P., Azzouzi, A., Mordon, S., & Betrouni, N. (2012). Elastic image registration for guiding focal laser ablation of prostate cancer: Preliminary results. *Computer Methods and Programs in Biomedicine*, 108(1), 213-223. <https://doi.org/10.1016/j.cmpb.2012.04.001>
- Kouhia, R., 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>
- 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>
- 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>
- 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>

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>

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>

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.

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>

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>

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

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

Zhou, Z., Shen, 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>

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>

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..

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>

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>

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>

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

Balasubramaniam, S., Leibnitz, K., Lio, P., Botvich, D., & Murata, M. (2011). Biological principles for future Internet architecture design. *IEEE Communications Magazine*, 49(7), 44-52. [5936154]. <https://doi.org/10.1109/MCOM.2011.5936154>

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

Yu, G., Zhang, B., Bova, 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>

Shen, C. C., Wu, H. H., Sane, N., Plishker, W., & Bhattacharyya, S. S. (2011). A design tool for efficient mapping of multimedia applications onto heterogeneous platforms. teoksessa *Electronic Proceedings of the 2011 IEEE International Conference on Multimedia and Expo, ICME 2011* [6011952] <https://doi.org/10.1109/ICME.2011.6011952>

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

Carroll, R., Balasubramaniam, S., Botvich, D., & Donnelly, W. (2011). Bio-inspired service management framework: Green data-centres case study. teoksessa *Proceedings - 25th IEEE International Conference on Advanced Information Networking and Applications Workshops, WAINA 2011* (Sivut 226-231). [5763678] <https://doi.org/10.1109/WAINA.2011.119>

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

Kalb, H., Pirkkalainen, H., Pawlowski, J., & Schoop, E. (2011). Influence factors for sharing open science and open educational resources through social networking services. teoksessa *6th Conference on Professional Knowledge Management: From Knowledge to Action - Proceedings* (Vuosikerta P-182, Sivut 23-32). Gesellschaft für Informatik (GI).

Sapaev, U. K., Yusupov, D. B., & Assanto, G. (2011). Multicolor nonlinear pulse compression by consecutive optical parametric amplification in quasi-phase matched structures. teoksessa *ICONO 2010: International Conference on Coherent and Nonlinear Optics* (Vuosikerta 7993). [79930Q] <https://doi.org/10.1117/12.882887>

Ivanov, S., Botvich, D., & Balasubramaniam, S. (2011). On delay distribution in IEEE 802.11 wireless networks. teoksessa *16th IEEE Symposium on Computers and Communications, ISCC'11* (Sivut 254-256). [5983849] <https://doi.org/10.1109/ISCC.2011.5983849>