

Kantola E, Leinonen T, Ranta S, Tavast M, Penttinen J-P, Guina M. **1180nm VECSEL with 50 W output power**. In Proceedings of SPIE - The International Society for Optical Engineering. Vol. 9349. SPIE. 2015. 93490U <https://doi.org/10.1117/12.2079480>

Viherialä J, Tuorila H, Zia N, Cherchi M, Aalto T, Guina M. **1.3µm U-bend traveling wave SOA devices for high efficiency coupling to silicon photonics**. In Reed GT, Knights AP, editors, Silicon Photonics XIV. SPIE, IEEE. 2019. 109230E. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2505935>

Mereuta A, Nechay K, Caliman A, Suruceanu G, Gallo P, Guina M et al. **1.55-µm wavelength wafer-fused OP-VECSELs in flip-chip configuration**. In Keller U, editor, Vertical External Cavity Surface Emitting Lasers (VECSELs) IX. SPIE, IEEE. 2019. 1090103. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2508342>

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

Yadav A, Chichkov NB, Gumenyuk R, Zherebtsov E, Melkumov MA, Yashkov MV et al. **405-nm pumped Ce<sup>3+</sup>-doped silica fiber for broadband fluorescence from cyan to red**. In Digonnet MJF, Jiang S, editors, Optical Components and Materials XVI. SPIE, IEEE. 2019. 1091406. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2509599>

Lu X, Petrov V, Moltchanov D, Andreev S, Mahmoodi T, Dohler M. **5G-U: Conceptualizing Integrated Utilization of Licensed and Unlicensed Spectrum for Future IoT**. IEEE Communications Magazine. 2019;57(7):92-98. 8722595. <https://doi.org/10.1109/MCOM.2019.1800663>

Wang Y, Zhao Y, Pan Z, Suomalainen S, Härkönen A, Guina M et al. **73-fs SESAM mode-locked Tm,Ho:CNGG laser at 2061 nm**. In Clarkson WA, Shori RK, editors, Solid State Lasers XXIX: Technology and Devices. SPIE. 2020. 1125929. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2548180>

Mäkelä V, Linna J, Keskinen T, Hakulinen J, Turunen M. **Acceptance and perceptions of interactive location-tracking displays**. In Gentile V, Cauchard JR, editors, Pervasive Displays 2019 - 8th ACM International Symposium on Pervasive Displays, PerDis 2019. ACM. 2019. a17 <https://doi.org/10.1145/3321335.3324931>

Dehmer M, Emmert-Streib F, Grabner M. **A computational approach to construct a multivariate complete graph invariant**. Information Sciences. 2014 Mar 1;260:200-208. <https://doi.org/10.1016/j.ins.2013.11.008>

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

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

Voronin V, Pismenskova M, Zelensky A, Cen Y, Nadykto A, Egiazarian K. **Action recognition using the 3D dense microblock difference**. In Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies II. SPIE. 2018. 1080200. (Proceedings of SPIE). <https://doi.org/10.1117/12.2326801>

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

Raunio J-P, Ritala R. **Active scanner control on paper machines**. Journal of Process Control. 2018 Dec 1;72:74-90. <https://doi.org/10.1016/j.jprocont.2018.09.012>

Koivumäki J, Mattila J. **Adaptive and nonlinear control of discharge pressure for variable displacement axial piston pumps**. Journal of Dynamic Systems, Measurement and Control: Transactions of the ASME. 2017 Oct 1;139(10). 101008. <https://doi.org/10.1115/1.4036537>

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

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

Shen CC, Wu HH, Sane N, Plishker W, Bhattacharyya SS. **A design tool for efficient mapping of multimedia applications onto heterogeneous platforms**. In Electronic Proceedings of the 2011 IEEE International Conference on Multimedia and Expo, ICME 2011. 2011. 6011952 <https://doi.org/10.1109/ICME.2011.6011952>

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

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

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

Coatanéa E, Ritola T, Tumer IY, Jensen D. **A framework for building behavioral models for design-stage failure identification using dimensional analysis**. In Proceedings of the ASME Design Engineering Technical Conference. Vol. 5. AMER SOC MECHANICAL ENGINEERS. 2010. p. 591-601 <https://doi.org/10.1115/DETC2010-28864>

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

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

Phung HM, Kahle H, Penttinen J-P, Rajala P, Ranta S, Guina M. **A membrane external-cavity surface-emitting laser (MECSEL) with emission around 825 nm**. In Hastie JE, editor, Vertical External Cavity Surface Emitting Lasers (VECSELs) X. SPIE. 2020. 112630H. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2545980>

Rubel AS, Lukin VV, Egiazarian K. **A method for predicting DCT-based denoising efficiency for grayscale images corrupted by AWGN and additive spatially correlated noise**. In Proceedings of SPIE - The International Society for Optical Engineering. Vol. 9399. SPIE. 2015. 93990P <https://doi.org/10.1117/12.2082533>

Vorwerk J, Engwer C, Pursiainen S, Wolters CH. **A Mixed Finite Element Method to Solve the EEG Forward Problem**. IEEE Transactions on Medical Imaging. 2017 Apr 1;36(4):930-941. 7731161. <https://doi.org/10.1109/TMI.2016.2624634>

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

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

Yigitcanlar T, Lönnqvist A, Salenius H. **Analysis of a city-region from the knowledge perspective: Tampere, Finland**. VINE. 2014 Aug 5;44(3):445-466. <https://doi.org/10.1108/VINE-09-2013-0056>

Martin F, Singh D, Belahcen A, Rasilo P, Haavisto A, Arkkio A. **Analytical model for magnetic anisotropy of non-oriented steel sheets**. COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 2015 Sep 7;34(5):1475-1488. <https://doi.org/10.1108/COMPEL-02-2015-0076>

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

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

Nanni L, Paci M, Brahnam S, Ghidoni S. **An ensemble of visual features for Gaussians of local descriptors and non-binary coding for texture descriptors**. Expert Systems with Applications. 2017 Oct 1;82:27-39. <https://doi.org/10.1016/j.eswa.2017.03.065>

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

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

Saintsing CD, Cook BS, Tentzeris MM. **An origami inspired reconfigurable spiral antenna**. In 38th Mechanisms and Robotics Conference. Vol. 5B. The American Society of Mechanical Engineers ASME. 2014 <https://doi.org/10.1115/DETC201435353>

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

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

Yan S, Wirta J, Kämäräinen J-K. **Anthropometric clothing measurements from 3D body scans**. Machine Vision and Applications. 2020;31(1-2). 7. <https://doi.org/10.1007/s00138-019-01054-4>

- Luhtala M, Karvonen T, Pylväs J, Ala-Kokko A, Magica R, Takeda Y et al. **Antroposeeni - A mixed reality game**. In ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference. Association for Computing Machinery, Inc. 2015. p. 211-213 <https://doi.org/10.1145/2818187.2818287>
- Battisti F, Carli M, Stramacci A, Boev A, Gotchev A. **A perceptual quality metric for high-definition stereoscopic 3D video**. In Image Processing: Algorithms and Systems XIII. SPIE. 2015. 939916. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2086901>
- Mäki AJ, Verho J, Kreutzer J, Ryyänen T, Rajan D, Pekkanen-Mattila M et al. **A Portable Microscale Cell Culture System with Indirect Temperature Control**. SLAS Technology. 2018 Dec 1;23(6):566-579. <https://doi.org/10.1177/2472630318768710>
- Humaloja JP, Kurula M, Paunonen L. **Approximate robust output regulation of boundary control systems**. IEEE Transactions on Automatic Control. 2019 Jun;64(6):2210-2223. <https://doi.org/10.1109/TAC.2018.2884676>
- Chen K, Zhang Z. **A Primal Neural Network for Online Equality-Constrained Quadratic Programming**. Cognitive Computation. 2018;10(2):381-388. <https://doi.org/10.1007/s12559-017-9510-4>
- Carminati B, Ferrari E, Morasca S, Taibi D. **A probability-based approach to modeling the risk of unauthorized propagation of information in on-line social networks**. In CODASPY'11 - Proceedings of the 1st ACM Conference on Data and Application Security and Privacy. 2011. p. 51-61 <https://doi.org/10.1145/1943513.1943522>
- Rauti S, Lahtiranta J, Parisod H, Hyrynsalmi S, Salanterä S, Aromaa ME et al. **A Proxy-Based Solution for Asynchronous Telemedical Systems**. International Journal of E-health and Medical Communication. 2017 Jul 1;8(3):70-83. 5. <https://doi.org/10.4018/IJEHMC.2017070105>
- Taibi D, Lenarduzzi V, Pahl C. **Architectural patterns for microservices: A systematic mapping study**. In CLOSER 2018 - Proceedings of the 8th International Conference on Cloud Computing and Services Science. SCITEPRESS. 2018. p. 221-232 <https://doi.org/10.5220/0006798302210232>
- Kovács PT, Zare A, Balogh T, Bregovic R, Gotchev A. **Architectures and codecs for real-time light field streaming**. Journal of Imaging Science and Technology. 2017 Jan 1;61(1). 010403. <https://doi.org/10.2352/J.ImagingSci.Technol.2017.61.1.010403>
- Rodrigues PC, Monteiro A, Lourenço VM. **A robust AMMI model for the analysis of genotype-by-environment data**. Bioinformatics. 2015 Jul 1;32(1):58-66. <https://doi.org/10.1093/bioinformatics/btv533>
- Heinisuo O-P, Lenarduzzi V, Taibi D. **Asterism: Decentralized file sharing application for mobile devices**. In 2019 7th IEEE International Conference on Mobile Cloud Computing, Services, and Engineering, MobileCloud 2019. IEEE. 2019. p. 38-47 <https://doi.org/10.1109/MobileCloud.2019.00013>
- Mattila J, Koivumäki J, Caldwell DG, Semini C. **A survey on control of hydraulic robotic manipulators with projection to future trends**. IEEE - ASME Transactions on Mechatronics. 2017 Apr 1;22(2):669-680. <https://doi.org/10.1109/TMECH.2017.2668604>
- Korpi D, Anttila L, Valkama M. **Asymmetric full-duplex with contiguous downlink carrier aggregation**. In 2016 IEEE 17th International Workshop on Signal Processing Advances in Wireless Communications (SPAWC). IEEE. 2016 <https://doi.org/10.1109/SPAWC.2016.7536807>
- Caraffi C, Vojir T, Trefný J, Šochman J, Matas J. **A system for real-time detection and tracking of vehicles from a single car-mounted camera**. In 2012 15th International IEEE Conference on Intelligent Transportation Systems, ITSC 2012. 2012. p. 975-982. 6338748 <https://doi.org/10.1109/ITSC.2012.6338748>

- Andreev S, Hosek J, Olsson T, Johnsson K, Pyattaev A, Ometov A et al. **A unifying perspective on proximity-based cellular-assisted mobile social networking**. IEEE Communications Magazine. 2016 Apr 1;54(4):108-116. <https://doi.org/10.1109/MCOM.2016.7452274>
- Räsänen O, Seshadri S, Karadayi J, Riebling E, Bunce J, Cristia A et al. **Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech**. Speech Communication. 2019 Oct 1;113:63-80. <https://doi.org/10.1016/j.specom.2019.08.005>
- Us D, Moreno-Galera A, Nazari-Farsani S, Palovuori K, Kosola H, Zedda T et al. **AvanTomography: A compact module for positron emission mammography**. In 2015 IEEE International Symposium on Medical Measurements and Applications, MeMeA 2015 - Proceedings. IEEE. 2015. p. 52-57 <https://doi.org/10.1109/MeMeA.2015.7145171>
- Thanisch P, Lindell T, Nummenmaa J, Nummenmaa T. **Avoiding anomalies when modeling a many-to-many relationship in a multidimensional database**. In BIR 2009 - 8th International Conference on Perspectives in Business Informatics Research. Kristianstad Academic Press. 2014
- Heikkilä J, Martinsuo M, Nenonen S. **Backshoring of production in the context of a small and open Nordic economy**. Journal of Manufacturing Technology Management. 2018 May;29(4):658-675. <https://doi.org/10.1108/JMTM-12-2016-0178>
- Yu G, Zhang B, Bova GS, Xu J, Shih IM, Wang Y. **BACOM: In silico detection of genomic deletion types and correction of normal cell contamination in copy number data**. Bioinformatics. 2011 Jun;27(11):1473-1480. btr183. <https://doi.org/10.1093/bioinformatics/btr183>
- Potapov I, Järvenpää M, Åkerblom M, Raunonen P, Kaasalainen M. **Bayes Forest: A data-intensive generator of morphological tree clones**. GigaScience. 2017;6(10). gix079. <https://doi.org/10.1093/gigascience/gix079>
- Siiskonen A, Priimägi A. **Benchmarking DFT methods with small basis sets for the calculation of halogen-bond strengths**. Journal of Molecular Modeling. 2017 Feb 1;23(2). 50. <https://doi.org/10.1007/s00894-017-3212-4>
- Zakeri FS, Bätz M, Jaschke T, Keinert J, Chuchvara A. **Benchmarking of several disparity estimation algorithms for light field processing**. In Bazeille S, Verrier N, Cudel C, editors, Fourteenth International Conference on Quality Control by Artificial Vision. SPIE, IEEE. 2019. 111721C. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2521747>
- Lohan ES, Koivisto M, Galinina O, Andreev S, Tölli A, Destino G et al. **Benefits of Positioning-Aided Communication Technology in High-Frequency Industrial IoT**. IEEE Communications Magazine. 2018 Nov 14;56(12):142-148. 8535084. <https://doi.org/10.1109/MCOM.2018.1701057>
- Carroll R, Balasubramaniam S, Suzuki J, Lee C, Donnelly W, Botvich D. **Bio-inspired service management framework: Green data-centres case study**. International Journal of Grid and Utility Computing. 2013;4(4):278-292. <https://doi.org/10.1504/IJGUC.2013.057115>
- Carroll R, Balasubramaniam S, Botvich D, Donnelly W. **Bio-inspired service management framework: Green data-centres case study**. In Proceedings - 25th IEEE International Conference on Advanced Information Networking and Applications Workshops, WAINA 2011. 2011. p. 226-231. 5763678 <https://doi.org/10.1109/WAINA.2011.119>
- Balasubramaniam S, Leibnitz K, Lio P, Botvich D, Murata M. **Biological principles for future Internet architecture design**. IEEE Communications Magazine. 2011 Jul;49(7):44-52. 5936154. <https://doi.org/10.1109/MCOM.2011.5936154>
- Marcían P, Narra N, Borák L, Chamrad J, Wolff J. **Biomechanical performance of cranial implants with different thicknesses and material properties: A finite element study**. Computers in Biology and Medicine. 2019 Jun 1;109:43-52. <https://doi.org/10.1016/j.combiomed.2019.04.016>

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

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

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

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

Atakan B, Akan OB, Balasubramaniam S. **Body area nanonetworks with molecular communications in nanomedicine**. IEEE Communications Magazine. 2012 Jan;50(1):28-34. 6122529. <https://doi.org/10.1109/MCOM.2012.6122529>

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

Petrov V, Andreev S, Gerla M, Koucheryavy Y. **Breaking the limits in urban video monitoring: Massive crowd sourced surveillance over vehicles**. IEEE Wireless Communications. 2018 Oct 1;25(5):104-112.  
<https://doi.org/10.1109/MWC.2018.1700415>

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

Du L, Prasauskas T, Leivo V, Turunen M, Aaltonen A, Kiviste M et al. **Building energy-efficiency interventions in North-East Europe: Effects on indoor environmental quality and public health**. In Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate. International Society of Indoor Air Quality and Climate . 2014. p. 637-639

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

Orsino A, Kovalchukov R, Samuylov A, Moltchanov D, Andreev S, Koucheryavy Y et al. **Caching-Aided Collaborative D2D Operation for Predictive Data Dissemination in Industrial IoT**. IEEE Wireless Communications. 2018 Jun 1;25(3):50-57.  
<https://doi.org/10.1109/MWC.2018.1700320>

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

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

Sievi-Korte O, Beecham S, Richardson I. **Challenges and recommended practices for software architecting in global software development.** Information and Software Technology. 2019 Feb 1;106:234-253. <https://doi.org/10.1016/j.infsof.2018.10.008>

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

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

Häkkinen A, Ribeiro AS. **Characterizing rate limiting steps in transcription from RNA production times in live cells.** Bioinformatics. 2016 May 1;32(9):1346-1352. <https://doi.org/10.1093/bioinformatics/btv744>

Samuylov A, Moltchanov D, Kovalchukov R, Pirmagomedov R, Gaidamaka Y, Andreev S et al. **Characterizing Resource Allocation Trade-Offs in 5G NR Serving Multicast and Unicast Traffic.** IEEE Transactions on Wireless Communications. 2020 May 1;19(5):3421-3434. 9003488. <https://doi.org/10.1109/TWC.2020.2973375>

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

Aluigi L, Thai TT, Tentzeris MM, Roselli L, Alimenti F. **Chip-to-package wireless power transfer and its application to mm-Wave antennas and monolithic radiometric receivers.** In RSW 2013 - 2013 IEEE Radio and Wireless Symposium - RWS 2013. 2013. p. 202-204. 6486688 <https://doi.org/10.1109/RWS.2013.6486688>

Nogueira IBR, Faria RPV, Requião R, Koivisto H, Martins MAF, Rodrigues AE et al. **Chromatographic studies of n-Propyl Propionate: Adsorption equilibrium, modelling and uncertainties determination.** Computers and Chemical Engineering. 2018 Nov 2;119:371-382. <https://doi.org/10.1016/j.compchemeng.2018.09.020>

Emmert-Streib F, Dehmert M, Kilian J. **Classification of large graphs by a local tree decomposition.** In Proceedings of the 2005 International Conference on Data Mining, DMIN'05. 2005. p. 200-207

Iosifidis A, Tefas A, Pitas I. **Class-Specific Reference Discriminant Analysis With Application in Human Behavior Analysis.** IEEE Transactions on Human-Machine Systems. 2014 Dec 25;45(3):315-326. <https://doi.org/10.1109/THMS.2014.2379274>

Waris MA, Iosifidis A, Gabbouj M. **CNN-based edge filtering for object proposals.** Neurocomputing. 2017 Jun 2;266:631-640. <https://doi.org/10.1016/j.neucom.2017.05.071>

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

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

Laakom F, Raitoharju J, Iosifidis A, Nikkanen J, Gabbouj M. **Color Constancy Convolutional Autoencoder.** In 2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019. IEEE. 2019. p. 1085-1090. 9002684 <https://doi.org/10.1109/SSCI44817.2019.9002684>

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

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

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

Lukin VV, Ponomarenko NN, Ieremeiev O, Egiazarian K, Astola J. **Combining full-reference image visual quality metrics by neural network**. In Proceedings of SPIE - The International Society for Optical Engineering. Vol. 9394. SPIE. 2015. 93940K <https://doi.org/10.1117/12.2085465>

Dander A, Mueller LAJ, Gallasch R, Pabinger S, Emmert-Streib F, Graber A et al. **[COMMODE] a large-scale database of molecular descriptors using compounds from PubChem**. Source Code for Biology and Medicine. 2013 Nov 13;8. 22. <https://doi.org/10.1186/1751-0473-8-22>

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

Kartasalo K, Latonen L, Vihinen J, Visakorpi T, Nykter M, Ruusuvoori P. **Comparative analysis of tissue reconstruction algorithms for 3D histology**. Bioinformatics. 2018 Sep 1;34(17):3013-3021. <https://doi.org/10.1093/bioinformatics/bty210>

Rahmatallah Y, Emmert-Streib F, Glazko G. **Comparative evaluation of gene set analysis approaches for RNA-Seq data**. BMC Bioinformatics. 2014 Dec 5;15(1). 397. <https://doi.org/10.1186/s12859-014-0397-8>

Raisamo J, Raisamo R, Surakka V. **Comparison of Saltation, Amplitude Modulation, and a Hybrid Method of Vibrotactile Stimulation**. IEEE Transactions on Haptics. 2013 Oct;6(4):517-521. 6517847. <https://doi.org/10.1109/TOH.2013.25>

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

Kulya MS, Katkovnik V, Egiazarian K, Petrov NV. **Complex-domain sparse imaging in terahertz pulse time-domain holography with balance detection**. In Sadwick LP, Yang T, editors, Terahertz, RF, Millimeter, and Submillimeter-Wave Technology and Applications XIII. SPIE. 2020. 1127921. (Proceedings of SPIE). <https://doi.org/10.1117/12.2549001>

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

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

Cho C, Yi X, Wang Y, Tentzeris MM, Leon RT. **Compressive strain measurement using RFID patch antenna sensors**. In Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2014. Vol. 9061. SPIE. 2014. 90610X <https://doi.org/10.1117/12.2045122>



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

Tiihonen J, Kylänpää I, Rantala TT. **Computation of Dynamic Polarizabilities and van der Waals Coefficients from Path-Integral Monte Carlo**. Journal of Chemical Theory and Computation. 2018 Oct 2;14:5750-5763. <https://doi.org/10.1021/acs.jctc.8b00859>

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

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

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

Vainio M. **Continuous-wave optical parametric oscillators for mid-infrared spectroscopy**. In Schunemann PG, Schepler KL, editors, Nonlinear Frequency Generation and Conversion: Materials and Devices XIX. SPIE. 2020. 1126419. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2548711>

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

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

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

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

Mäkinen J. **Critical study of Newmark-scheme on manifold of finite rotations**. Computer Methods in Applied Mechanics and Engineering. 2001 Dec 21;191(8-10):817-828. [https://doi.org/10.1016/S0045-7825\(01\)00291-2](https://doi.org/10.1016/S0045-7825(01)00291-2)

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

Silverajan B, Ocak M, Nagel B. **Cybersecurity Attacks and Defences for Unmanned Smart Ships**. In Proceedings - IEEE 2018 International Congress on Cybermatics: 2018 IEEE Conferences on Internet of Things, Green Computing and Communications, Cyber, Physical and Social Computing, Smart Data, Blockchain, Computer and Information Technology, iThings/GreenCom/CPSCoM/SmartData/Blockchain/CIT 2018. IEEE. 2018. p. 15-20 [https://doi.org/10.1109/Cybermatics\\_2018.2018.00037](https://doi.org/10.1109/Cybermatics_2018.2018.00037)

Nejadsattari F, Zhang Y, Jayakody MN, Bouchard F, Larocque H, Sit A et al. **Cyclic quantum walks: Photonic realization and decoherence analysis**. In Hemmer PR, Migdall AL, Hasan ZU, editors, *Advanced Optical Techniques for Quantum Information, Sensing, and Metrology*. SPIE. 2020. 1129503. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2546566>

Nanni L, Maguolo G, Paci M. **Data augmentation approaches for improving animal audio classification**. *Ecological Informatics*. 2020;57. 101084. <https://doi.org/10.1016/j.ecoinf.2020.101084>

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

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

Pirkkalainen H, Salo M, Tarafdar M, Makkonen M. **Deliberate or Instinctive? Proactive and Reactive Coping for Technostress**. *Journal of Management Information Systems*. 2019 Oct 2;36(4):1179-1212.  
<https://doi.org/10.1080/07421222.2019.1661092>

Andreev S, Petrov V, Huang K, Lema MA, Dohler M. **Dense Moving Fog for Intelligent IoT: Key Challenges and Opportunities**. *IEEE Communications Magazine*. 2019 May 1;57(5):34-41. 8648449.  
<https://doi.org/10.1109/MCOM.2019.1800226>

Wang J, Ma L, Liang Y, Gao M, Wang G. **Density functional theory study of transition metals doped B<sub>80</sub> fullerene**. *Journal of Theoretical and Computational Chemistry*. 2014 Sep 22;13(6). 1450050. <https://doi.org/10.1142/S0219633614500503>

Voronin VV, Marchuk VI, Fisunov AV, Tokareva SV, Egiazarian KO. **Depth map occlusion filling and scene reconstruction using modified exemplar-based inpainting**. In *Image Processing: Algorithms and Systems XIII*. SPIE. 2015. 93990S. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2076506>

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

Yi X, Cho C, Cook B, Wang Y, Tentzeris MM, Leon RT. **Design and simulation of a slotted patch antenna sensor for wireless strain sensing**. In *Nondestructive Characterization for Composite Materials, Aerospace Engineering, Civil Infrastructure, and Homeland Security 2013*. Vol. 8694. 2013. 86941J <https://doi.org/10.1117/12.2009233>

Shen CC, Wu S, Sane N, Wu HH, Plishker W, Bhattacharyya SS. **Design and synthesis for multimedia systems using the targeted dataflow interchange format**. *IEEE Transactions on Multimedia*. 2012;14(3 PART1):630-640. 6172244.  
<https://doi.org/10.1109/TMM.2012.2191397>

Paunonen L. **Designing controllers with reduced order internal models**. *IEEE Transactions on Automatic Control*. 2015 Mar 1;60(3):775-780. 6826480. <https://doi.org/10.1109/TAC.2014.2329212>

Solomitskii D, Petrov V, Nikopour H, Akdeniz M, Orhan O, Himayat N et al. **Detailed Interference Analysis in Dense mmWave Systems Employing Dual-Polarized Antennas**. In 2017 IEEE Globecom Workshops. IEEE. 2018. p. 1-6  
<https://doi.org/10.1109/GLOCOMW.2017.8269040>

Tarniceriu A, Harju J, Vehkaoja A, Parak J, Delgado-Gonzalo R, Renevey P et al. **Detection of beat-to-beat intervals from wrist photoplethysmography in patients with sinus rhythm and atrial fibrillation after surgery**. In 2018 IEEE EMBS International Conference on Biomedical and Health Informatics, BHI 2018. IEEE. 2018. p. 133-136  
<https://doi.org/10.1109/BHI.2018.8333387>

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

Farooq A, Evreinov G, Raisamo R, Mäkinen E, Nukarinen T, Majeed AA. **Developing novel multimodal interaction techniques for touchscreen in-vehicle infotainment systems**. In ICOSST 2014 - 2014 International Conference on Open Source Systems and Technologies, Proceedings. Institute of Electrical and Electronics Engineers Inc. 2014. p. 32-42. 7029317 <https://doi.org/10.1109/ICOSST.2014.7029317>

Symonds P, Taylor J, Chalabi Z, Mavrogianni A, Davies M, Hamilton I et al. **Development of an England-wide indoor overheating and air pollution model using artificial neural networks**. JOURNAL OF BUILDING PERFORMANCE SIMULATION. 2016 Nov 1;9(6):606-619. <https://doi.org/10.1080/19401493.2016.1166265>

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

Lwakatare LE, Kilamo T, Karvonen T, Sauvola T, Heikkilä V, Itkonen J et al. **DevOps in practice: A multiple case study of five companies**. Information and Software Technology. 2019 Oct 1;114:217-230. <https://doi.org/10.1016/j.infsof.2019.06.010>

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

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

Abdelaziz M, Fu Z, Anttila L, Wyglinski AM, Valkama M. **Digital predistortion for mitigating spurious emissions in spectrally agile radios**. IEEE Communications Magazine. 2016 Mar 1;54(3):60-69. <https://doi.org/10.1109/MCOM.2016.7432149>

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

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

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

Iosifidis A, Tefas A, Pitas I. **Distance-based human action recognition using optimized class representations**. Neurocomputing. 2015 Aug 5;161:47-55. <https://doi.org/10.1016/j.neucom.2014.10.088>

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

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

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

Danne R, Poojari C, Martinez-Seara H, Rissanen S, Lolicato F, Róg T et al. **DoGlycans-Tools for Preparing Carbohydrate Structures for Atomistic Simulations of Glycoproteins, Glycolipids, and Carbohydrate Polymers for GROMACS**. Journal of Chemical Information and Modeling. 2017 Oct 23;57(10):2401-2406. <https://doi.org/10.1021/acs.jcim.7b00237>

Isotalo TJ, Niemi T. **Dots-on-the-fly electron beam lithography**. In Bencher C, editor, SPIE Proceedings: Alternative Lithographic Technologies VIII. Vol. 9777. SPIE. 2016. 97771E. (Proceedings of SPIE). <https://doi.org/10.1117/12.2219136>

Iosifidis A, Tefas A, Pitas I. **DropELM: Fast neural network regularization with Dropout and DropConnect**. Neurocomputing . 2015 Aug 25;162:57-66. <https://doi.org/10.1016/j.neucom.2015.04.006>

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

Stoykova E, Nazarova D, Berberova N, Gotchev A, Ivanov B, Mateev G. **Dynamic laser speckle metrology with binarization of speckle patterns**. In 19th International Conference and School on Quantum Electronics: Laser Physics and Applications. SPIE. 2017. 102260R. (Proceedings of SPIE). <https://doi.org/10.1117/12.2262330>

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

Urama J, Olshannikova E, Ometov A, Masek P, Andreev S, Olsson T et al. **Dynamic social trust associations over d2d communications: An implementation perspective**. In 2016 IEEE International Conference on Mobile Services (MS). IEEE. 2016. p. 186-189 <https://doi.org/10.1109/MobServ.2016.41>

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

Stolze P, Karamanakos P, Kennel R, Manias S, Endisch C. **Effective variable switching point predictive current control for ac low-voltage drives**. International Journal of Control. 2015 Jul 3;88(7):1366-1378. <https://doi.org/10.1080/00207179.2014.942699>

He Y, Pan Z, Yang J, Sun G, Tentzeris MM. **Effect of feeder cable's phase tolerance on the first sidelobe level of base station antenna**. In IWCMC 2014 - 10th International Wireless Communications and Mobile Computing Conference. Institute of Electrical and Electronics Engineers Inc. 2014. p. 1022-1026. 6906495 <https://doi.org/10.1109/IWCMC.2014.6906495>

Järvinen H, Honkanen M, Järvenpää M, Peura P. **Effect of paint baking treatment on the properties of press hardened boron steels**. Journal of Materials Processing Technology. 2018;252:90-104. <https://doi.org/10.1016/j.jmatprotec.2017.08.027>

Siljander S, Keinänen P, Rätty A, Ramakrishnan KR, Tuukkanen S, Kunnari V et al. **Effect of surfactant type and sonication energy on the electrical conductivity properties of nanocellulose-CNT nanocomposite films**. International Journal of Molecular Sciences. 2018 Jun 20;19(6). 1819. <https://doi.org/10.3390/ijms19061819>

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

Orsino A, Ometov A, Fodor G, Moltchanov D, Militano L, Andreev S et al. **Effects of Heterogeneous Mobility on D2D-and Drone-Assisted Mission-Critical MTC in 5G.** IEEE Communications Magazine. 2017 Feb 1;55(2):79-87. <https://doi.org/10.1109/MCOM.2017.1600443CM>

Peltokangas M, Suominen V, Vakhitov D, Korhonen J, Verho J, Mattila VM et al. **Effects of percutaneous transluminal angioplasty of superficial femoral artery on photoplethysmographic pulse transit times.** IEEE Journal of Biomedical and Health Informatics. 2019 May;23(3):1058-1065. <https://doi.org/10.1109/JBHI.2018.2851388>

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

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

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

Niemelä P, Valmari A. **Elementary math to close the digital skills gap.** In CSEDU 2018 - Proceedings of the 10th International Conference on Computer Supported Education. Vol. 2. SCITEPRESS. 2018. p. 154-165 <https://doi.org/10.5220/0006800201540165>

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

Slezak C, Semkin V, Andreev S, Koucheryavy Y, Rangan S. **Empirical Effects of Dynamic Human-Body Blockage in 60 GHz Communications.** IEEE Communications Magazine. 2018 Dec 1;56(12):60-66. <https://doi.org/10.1109/MCOM.2018.1800232>

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

Wu D, Coatanea E, Wang GG. **Employing Knowledge on Causal Relationship to Assist Multidisciplinary Design Optimization.** Journal of Mechanical Design, Transactions of the ASME. 2019 Apr;141(4). 041402. <https://doi.org/10.1115/1.4042342>

Wang W, Talvitie J, Adamova EJ, Fath T, Korenciak L, Valkama M et al. **Empowering Heterogeneous Communication Data Links in General Aviation through mmWave Signals.** IEEE Wireless Communications. 2019 Dec 6;26(6):164-171. 8926332. <https://doi.org/10.1109/MWC.0001.1800593>

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

Dai C-Q, Li F-J, Renfors M. **Energy cooperation for throughput optimization based on save-then-transmit protocol in wireless communication system.** Eurasip Journal on Wireless Communications and Networking. 2015 Dec 26;2015(1). 119. <https://doi.org/10.1186/s13638-015-0364-8>

Cui Q, Zhang Y, Ni W, Valkama M, Jantti R. **Energy Efficiency Maximization of Full-Duplex Two-Way Relay with Non-Ideal Power Amplifiers and Non-Negligible Circuit Power.** IEEE Transactions on Wireless Communications. 2017 Sep 1;16(9):6264-6278. <https://doi.org/10.1109/TWC.2017.2721372>

Mikhaylov K, Petrov V, Gupta R, Lema MA, Galinina O, Andreev S et al. **Energy Efficiency of Multi-Radio Massive Machine-Type Communication (MR-MMTC): Applications, Challenges, and Solutions.** IEEE Communications Magazine. 2019 Jun 1;57(6):100-106. 8694791. <https://doi.org/10.1109/MCOM.2019.1800394>

Koivumäki J, Zhu WH, Mattila J. **Energy-efficient and high-precision control of hydraulic robots.** Control Engineering Practice. 2019 Apr 1;85:176-193. <https://doi.org/10.1016/j.conengprac.2018.12.013>

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

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

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

Shah SB, Rasilo P, Belahcen A, Arkkio A. **Estimation of additional losses due to random contacts at the edges of stator of an electrical machine.** COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 2015 Sep 7;34(5):1501-1510. <https://doi.org/10.1108/COMPEL-02-2015-0083>

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

Kymalainen T, Perala P, Hakulinen J, Heimonen T, James J, Pera J. **Evaluating a Future Remote Control Environment with an Experience-Driven Science Fiction Prototype.** In Proceedings - 2015 International Conference on Intelligent Environments, IE 2015. Institute of Electrical and Electronics Engineers Inc. 2015. p. 81-88. 7194274 <https://doi.org/10.1109/IE.2015.19>

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

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

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

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

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

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

Andreev S, Galinina O, Pyattaev A, Hosek J, Masek P, Yanikomeroğlu H et al. **Exploring synergy between communications, caching, and computing in 5G-grade deployments**. IEEE Communications Magazine. 2016 Aug 1;54(8):60-69. <https://doi.org/10.1109/MCOM.2016.7537178>

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

Zia N, Viheriälä J, Koskinen R, Koskinen M, Suomalainen S, Guina M. **Fabrication and characterization of broadband superluminescent diodes for 2 μm wavelength**. In Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XX. SPIE. 2016. 97680Q. (Proceedings of SPIE). <https://doi.org/10.1117/12.2209720>

Gizatdinova Y, Spakov Ö, Surakka V. **Face typing: Vision-based perceptual interface for hands-free text entry with a scrollable virtual keyboard**. In 2012 IEEE Workshop on the Applications of Computer Vision, WACV 2012. 2012. p. 81-87. 6162997 <https://doi.org/10.1109/WACV.2012.6162997>

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

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

M. Aref M, Oftadeh R, Ghabcheloo R, Mattila J. **Fault tolerant control architecture design for mobile manipulation in scientific facilities**. international Journal of Advanced Robotic Systems. 2015 Jan 29;12(4). <https://doi.org/10.5772/60038>

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

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

Emmert-Streib F, Dehmer M, Shi Y. **Fifty years of graph matching, network alignment and network comparison**. Information Sciences. 2016 Jun 10;346-347:180-197. <https://doi.org/10.1016/j.ins.2016.01.074>

Ali I, Durmush A, Suominen O, Yli-Hietanen J, Peltonen S, Collin J et al. **FinnForest dataset: A forest landscape for visual SLAM**. ROBOTICS AND AUTONOMOUS SYSTEMS. 2020;132. 103610. <https://doi.org/10.1016/j.robot.2020.103610>

Ropo M, Schneider M, Baldauf C, Blum V. **First-principles data set of 45,892 isolated and cation-coordinated conformers of 20 proteinogenic amino acids**. Scientific Data. 2016 Feb 16;3. 160009. <https://doi.org/10.1038/sdata.2016.9>

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

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

Pertuz S, Pulido-Herrera E, Kämäräinen J-K. **Focus model for metric depth estimation in standard plenoptic cameras.** ISPRS Journal of Photogrammetry and Remote Sensing. 2018 Oct 1;144:38-47. <https://doi.org/10.1016/j.isprsjprs.2018.06.020>

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

Suominen O, Mörsky V, Ritala R, Vilkkö M. **Framework for optimization and scheduling of a copper production plant.** In 26th European Symposium on Computer Aided Process Engineering, 2016. Vol. 38. Elsevier Science B.V. 2016. p. 1243-1248. (Computer Aided Chemical Engineering). <https://doi.org/10.1016/B978-0-444-63428-3.50212-5>

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

Korpi D, Tamminen J, Turunen M, Huusari T, Choi YS, Anttila L et al. **Full-duplex mobile device: Pushing the limits.** IEEE Communications Magazine. 2016 Sep 1;54(9):80-87. <https://doi.org/10.1109/MCOM.2016.7565192>

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

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

Andreev S, Petrov V, Dohler M, Yanikomeroğlu H. **Future of Ultra-Dense Networks Beyond 5G: Harnessing Heterogeneous Moving Cells.** IEEE Communications Magazine. 2019 Jun 1;57(6):66-92. 8722593. <https://doi.org/10.1109/MCOM.2019.1800056>

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

Goranko V, Kuusisto A, Rönholm R. **Game-theoretic semantics for  $ATL^+$  with applications to model checking.** Information and Computation. 2020. 104554. <https://doi.org/10.1016/j.ic.2020.104554>

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

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

Mohammed WM, Ramis Ferrer B, Iaroyvi S, Negri E, Fumagalli L, Lobov A et al. **Generic platform for manufacturing execution system functions in knowledge-driven manufacturing systems.** International Journal of Computer Integrated Manufacturing. 2018 Mar 4;1-13. <https://doi.org/10.1080/0951192X.2017.1407874>

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



Rahmatallah Y, Emmert-Streib F, Glazko G. **Gene Sets Net Correlations Analysis (GSNCA): A multivariate differential coexpression test for gene sets**. *Bioinformatics*. 2014 Feb 1;30(3):360-368. <https://doi.org/10.1093/bioinformatics/btt687>

Emmert-Streib F, Dehmer M. **Global information processing in gene networks: Fault tolerance**. In *Proceedings of the Bio-Inspired Models of Network, Information, and Computing Systems, Bionetics 2007*. 2007. p. 326-329. 4610138 <https://doi.org/10.1109/BIMNICS.2007.4610138>

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

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

Dehmer M, Chen Z, Emmert-Streib F, Shi Y, Tripathi S. **Graph measures with high discrimination power revisited: A random polynomial approach**. *Information Sciences*. 2018 Oct 1;467:407-414. <https://doi.org/10.1016/j.ins.2018.07.072>

Ledentsov NN, Shchukin VA, Lyytikäinen J, Okhotnikov O, Cherkashin NA, Shernyakov YM et al. **Green (In,Ga,Al)P-GaP light-emitting diodes grown on high-index GaAs surfaces**. In *Proceedings of SPIE: Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XIX*. Vol. 9383. SPIE. 2015. 93830E <https://doi.org/10.1117/12.2083953>

Rahmatallah Y, Zybaïlov B, Emmert-Streib F, Glazko G. **GSAR: Bioconductor package for Gene Set analysis in R**. *BMC Bioinformatics*. 2017 Jan 24;18(1). 61. <https://doi.org/10.1186/s12859-017-1482-6>

Leinonen T, Penttinen JP, Korpiljärvi VM, Kantola E, Guina M. **>8W GaInNAs VECSEL emitting at 615 nm**. In *Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) V*. Vol. 9349. SPIE. 2015. 934909 <https://doi.org/10.1117/12.2079162>

Mattila J, Semini C, Moon H, Buchli J, Hyon S, Li PY et al. **Guest editorial introduction to the focused section on design and control of hydraulic robots**. *IEEE - ASME Transactions on Mechatronics*. 2017 Apr 1;22(2):585-588. <https://doi.org/10.1109/TMECH.2017.2668611>

Ma H, Yu S, Gabbouj M, Mueller P. **Guest Editorial Special Issue on Multimedia Big Data in Internet of Things**. *IEEE Internet of Things Journal*. 2018 Oct;5(5):3405-3407. 8534720. <https://doi.org/10.1109/JIOT.2018.2875580>

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

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

Farooq A, Evreinov G, Raisamo R, Majeed AA. **Haptic user interface enhancement system for touchscreen based interaction: A novel system for multimodal interaction with touchscreen interfaces**. In *ICOSST 2014 - 2014 International Conference on Open Source Systems and Technologies, Proceedings*. Institute of Electrical and Electronics Engineers Inc. 2014. p. 25-31. 7029316 <https://doi.org/10.1109/ICOSST.2014.7029316>

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

Yu G, Dehmer M, Emmert-Streib F, Jodlbauer H. **Hermitian normalized Laplacian matrix for directed networks**. Information Sciences. 2019 Aug 1;495:175-184. <https://doi.org/10.1016/j.ins.2019.04.049>

Emmert-Streib F, Dehmer M. **Hierarchical coordination of periodic genes in the cell cycle of *Saccharomyces cerevisiae***. BMC Systems Biology. 2009 Jul 20;3. 76. <https://doi.org/10.1186/1752-0509-3-76>

Berlinicke CA, Ackermann CF, Chen SH, Schulze C, Shafranovich Y, Myneni S et al. **High-content screening data management for drug discovery in a small- to medium- size laboratory: Results of a collaborative pilot study focused on user expectations as indicators of effectiveness**. JALA: JOURNAL OF LABORATORY AUTOMATION. 2012;17(4):255-265. <https://doi.org/10.1177/2211068211431207>

Ponomarenko-Timofeev A, Pyattaev A, Andreev S, Koucheryavy Y, Mueck M, Karls I. **Highly dynamic spectrum management within licensed shared access regulatory framework**. IEEE Communications Magazine. 2016 Mar 1;54(3):100-109. <https://doi.org/10.1109/MCOM.2016.7432155>

Mateos X, Loiko P, Lamrini S, Scholle K, Fuhrberg P, Suomalainen S et al. **Highly-efficient Ho:KY(WO<sub>4</sub>)<sub>2</sub> thin-disk lasers at 2.06 μm**. In Pacific-Rim Laser Damage 2018: Optical Materials for High-Power Lasers. SPIE, IEEE. 2018. 107130J. (Proceedings of SPIE). <https://doi.org/10.1117/12.2316822>

Dehmer M, Emmert-Streib F, Hu B, Shi Y, Stefu M, Tripathi S. **Highly unique network descriptors based on the roots of the permanental polynomial**. Information Sciences. 2017 Oct 1;408:176-181. <https://doi.org/10.1016/j.ins.2017.04.041>

Robertsén F, Mattila K, Westerholm J. **High-performance SIMD implementation of the lattice-Boltzmann method on the Xeon Phi processor**. Concurrency Computation. 2019 Jul 10;31(13). e5072. <https://doi.org/10.1002/cpe.5072>

Viheriälä J, Aho AT, Mäkelä J, Salmi J, Virtanen H, Leinonen T et al. **High-power 1550 nm tapered DBR lasers fabricated using soft UV-nanoimprint lithography**. In High-Power Diode Laser Technology and Applications XIV. SPIE. 2016. 97330Q. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2207423>

Maina MR, Okamoto Y, Okada A, Närhi M, Kangastupa J, Vihinen J. **High surface quality welding of aluminum using adjustable ring-mode fiber laser**. Journal of Materials Processing Technology. 2018 Aug 1;258:180-188. <https://doi.org/10.1016/j.jmatprotec.2018.03.030>

Moirangthem M, Stumpel JE, Alp B, Teunissen P, Bastiaansen CWM, Schenning APHJ. **Hot pen and laser writable photonic polymer films**. In Emerging Liquid Crystal Technologies XI. Vol. 9769. SPIE. 2016. 97690Y <https://doi.org/10.1117/12.2209065>

Taibi D, Janes A, Lenarduzzi V. **How developers perceive smells in source code: A replicated study**. Information and Software Technology. 2017 Dec 1;92:223-235. <https://doi.org/10.1016/j.infsof.2017.08.008>

Heimbirger A, Isomottonen V, Nieminen P, Keto H. **How do academics experience use of recorded audio feedback in higher education? A thematic analysis**. In Frontiers in Education: Fostering Innovation Through Diversity, FIE 2018 - Conference Proceedings. IEEE. 2019. 8658635. (Proceedings - Frontiers in Education Conference). <https://doi.org/10.1109/FIE.2018.8658635>

Helminen J, Ihantola P, Karavirta V, Alaoutinen S. **How do students solve parsons programming problems? - Execution-based vs. line-based feedback**. In Proceedings - 2013 Learning and Teaching in Computing and Engineering, LaTiCE 2013. 2013. p. 55-61. 6542239 <https://doi.org/10.1109/LaTiCE.2013.26>

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

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

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

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

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

AbuJarour S, Pawlowski J, Bick M, Bagucanskyte M, Frankenberg A, Hudak R et al. **Idea-space: A use case of collaborative course development in higher education**. In *Wissens-Gemeinschaften 2015*. TUDpress Verlag der Wissenschaften GmbH. 2015. p. 149-156

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

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

Zhu S, Zeng B, Zeng L, Gabbouj M. **Image interpolation based on non-local geometric similarities and directional gradients**. *IEEE Transactions on Multimedia*. 2016 Sep 1;18(9):1707-1719. <https://doi.org/10.1109/TMM.2016.2593039>

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

Sterpone F, Nguyen PH, Kalimeri M, Derreumaux P. **Importance of the ion-pair interactions in the OPEP coarse-grained force field: Parametrization and validation**. *Journal of Chemical Theory and Computation*. 2013 Oct 8;9(10):4574-4584.  
<https://doi.org/10.1021/ct4003493>

Mäkinen S, Leppänen M, Kilamo T, Mattila A-L, Laukkanen E, Pagels M et al. **Improving the delivery cycle: A multiple-case study of the toolchains in Finnish software intensive enterprises**. *Information and Software Technology*. 2016 Dec 1;80:1339-1351. <https://doi.org/10.1016/j.infsof.2016.09.001>

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

Korpela T, Kumpulainen P, Majanne Y, Häyrynen A, Lautala P. **Indirect NO<sub>x</sub> emission monitoring in natural gas fired boilers**. *Control Engineering Practice*. 2017 Aug 1;65:11-25. <https://doi.org/10.1016/j.conengprac.2017.04.013>

Mäkinen P, Mononen T, Mattila J. **Inertial Sensor-Based State Estimation of Flexible Links Subject to Bending and Torsion**. In 2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018. IEEE. 2018. 8449188 <https://doi.org/10.1109/MESA.2018.8449188>

- Altay G, Emmert-Streib F. **Inferring the conservative causal core of gene regulatory networks**. BMC Systems Biology. 2010 Sep 28;4: 132. <https://doi.org/10.1186/1752-0509-4-132>
- Gao H, Tao J, Dehmer M, Emmert-Streib F, Sun Q, Chen Z et al. **In-flightwind field identification and prediction of parafoil systems**. Applied Sciences (Switzerland). 2020;10(6). 1958. <https://doi.org/10.3390/app10061958>
- Kalb H, Pirkkalainen H, Pawlowski J, Schoop E. **Influence factors for sharing open science and open educational resources through social networking services**. In 6th Conference on Professional Knowledge Management: From Knowledge to Action - Proceedings. Vol. P-182. Gesellschaft fur Informatik (GI). 2011. p. 23-32
- Emmert-Streib F, Dehmer M. **Information processing in the transcriptional regulatory network of yeast: Functional robustness**. BMC Systems Biology. 2009 Mar 19;3: 35. <https://doi.org/10.1186/1752-0509-3-35>
- Le T, Lin Z, Vyas R, Lakafosis V, Yang L, Traille A et al. **Inkjet printing of radio frequency electronics: Design methodologies and application of novel nanotechnologies**. Journal of Electronic Packaging. 2013;135(1). 011007. <https://doi.org/10.1115/1.4023671>
- Karioja P, Alajoki T, Cherchi M, Ollila J, Harjanne M, Heinilehto N et al. **Integrated multi-wavelength mid-IR light source for gas sensing**. In Next-Generation Spectroscopic Technologies XI. SPIE, IEEE. 2018. 106570A. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2305712>
- Aalto T, Harjanne M, Offrein BJ, Caër C, Neumeyr C, Malacarne A et al. **Integrating III-V, Si, and polymer waveguides for optical interconnects: RAPIDO**. In Optical Interconnects XVI. SPIE. 2016. 97530D. (Proceedings of SPIE). <https://doi.org/10.1117/12.2214786>
- Ratia M. **Intellectual capital and bi-tools in private healthcare value creation**. Electronic Journal of Knowledge Management . 2018 Sep 1;16(2):143-154.
- Petrov V, Komarov M, Moltchanov D, Jornet JM, Koucheryavy Y. **Interference and SINR in Millimeter Wave and Terahertz Communication Systems With Blocking and Directional Antennas**. IEEE Transactions on Wireless Communications. 2017 Mar 1;16(3):1791-1808. <https://doi.org/10.1109/TWC.2017.2654351>
- Jameel F, Chang Z, Huang J, Ristaniemi T. **Internet of Autonomous Vehicles: Architecture, Features, and Socio-Technological Challenges**. IEEE Wireless Communications. 2019 Aug 1;26(4):21-29. 8809655. <https://doi.org/10.1109/MWC.2019.1800522>
- Vihervaara J, Alapaholuoma T. **Internet of Things: Opportunities for vocational education and training: Presentation of the pilot project**. In CSEDU 2017 - Proceedings of the 9th International Conference on Computer Supported Education. SCITEPRESS. 2017. p. 476-480 <https://doi.org/10.5220/0006353204760480>
- Andreev S, Dobre C, Misra P. **Internet of Things and Sensor Networks**. IEEE Communications Magazine. 2020;58(2):34-34. <https://doi.org/10.1109/MCOM.2020.8999424>
- Mäkelä V, Korhonen H, Ojala J, Järvi A, Väänänen K, Raisamo R et al. **Investigating mid-air gestures and handhelds in motion tracked environments**. In PerDis 2016 - Proceedings of the 5th ACM International Symposium on Pervasive Displays. ACM. 2016. p. 45-51 <https://doi.org/10.1145/2914920.2915015>
- Liimatainen K, Kananen L, Latonen L, Ruusuvoori P. **Iterative unsupervised domain adaptation for generalized cell detection from brightfield z-stacks**. BMC Bioinformatics. 2019 Feb 15;20(1). 80. <https://doi.org/10.1186/s12859-019-2605-z>
- Ivanov P, Raitoharju M, Piché R. **Kalman-Type Filters and Smoothers for Pedestrian Dead Reckoning**. In IPIN 2018 - 9th International Conference on Indoor Positioning and Indoor Navigation. IEEE. 2018 <https://doi.org/10.1109/IPIN.2018.8533753>

Coatanéa E, Wu D, Tsarkov V, Gary Wang G, Modi S, Jafarian H. **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.** In 38th Computers and Information in Engineering Conference. Vol. 1B-2018. The American Society of Mechanical Engineers ASME. 2018 <https://doi.org/10.1115/DETC201885895>

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

Ozbay E, Bulu I, Caglayan H. **Labyrinth based left-handed metamaterials and sub-wavelength focusing of electromagnetic waves.** In Photonic Crystal Materials and Devices IV. Vol. 6128. 2006. 612813. (Proceedings of SPIE). <https://doi.org/10.1117/12.649548>

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

Petrov V, Kokkonen J, Moltchanov D, Lehtomäki J, Koucheryav Y, Juntti M. **Last Meter Indoor Terahertz Wireless Access: Performance Insights and Implementation Roadmap.** IEEE Communications Magazine. 2018 Jun 1;56(6):158-165. <https://doi.org/10.1109/MCOM.2018.1600300>

Smirnov S, Battisti F, Gotchev A. **Layered approach for improving the quality of free-viewpoint depth-image-based rendering images.** Journal of Electronic Imaging. 2019 Feb 27;28(1). 013049. <https://doi.org/10.1117/1.JEI.28.1.013049>

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

Iosifidis A, Tefas A, Pitas I. **Learning sparse representations for view-independent human action recognition based on fuzzy distances.** Neurocomputing. 2013 Dec 9;121:344-353. <https://doi.org/10.1016/j.neucom.2013.05.021>

Vihonen J, Honkakorpi J, Tuominen J, Mattila J, Visa A. **Linear accelerometers and rate gyros for rotary joint angle estimation of heavy-duty mobile manipulators using forward kinematic modeling.** IEEE - ASME Transactions on Mechatronics. 2016 Jun 1;21(3):1765-1774. <https://doi.org/10.1109/TMECH.2016.2544352>

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

Samiee K, Kiranyaz S, Gabbouj M, Saramäki T. **Long-term epileptic EEG classification via 2D mapping and textural features.** Expert Systems with Applications. 2015 Jun 8;42(20):7175-7185. <https://doi.org/10.1016/j.eswa.2015.05.002>

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

Belahcen A, Fonteyn K, Kouhia R, Rasilo P, Arkkio A. **Magnetomechanical coupled FE simulations of rotating electrical machines.** COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 2013;32(5):1484-1499. 17095978. <https://doi.org/10.1108/COMPEL-04-2013-0109>

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

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

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

Bardinova Y, Zhidanov K, Bezzateev S, Komarov M, Ometov A. **Measurements of Mobile Blockchain Execution Impact on Smartphone Battery**. Data. 2020 Jul 30;5(3). 66. <https://doi.org/10.3390/data5030066>

Coatanéa E, Yannou B, Honkala S, Lajunen A, Saarelainen T, Makkonen P. **Measurement theory and dimensional analysis: Methodological impact on the comparison and evaluation process**. In 19th International Conference on Design Theory and Methodology and 1st International Conference on Micro and Nano Systems, presented at - 2007 ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference, IDETC/CIE2007. AMER SOC MECHANICAL ENGINEERS. 2008. p. 173-182 <https://doi.org/10.1115/DETC2007-34364>

Ye C, Koponen J, Aallos V, Kokki T, Petit L, Kimmelma O. **Measuring bend losses in large-mode-area fibers**. In Fiber Lasers XII: Technology, Systems, and Applications. Vol. 9344. SPIE. 2015. 934425 <https://doi.org/10.1117/12.2076813>

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

Kahle H, Penttinen JP, Phung HM, Rajala P, Tukiainen A, Ranta S et al. **MECSELS with direct emission in the 760 nm to 810 nm spectral range: A single- and double-side pumping comparison and high-power continuous-wave operation**. In Keller U, editor, Vertical External Cavity Surface Emitting Lasers (VECSELS) IX. SPIE, IEEE. 2019. 109010D. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2512111>

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

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

Afolaranmi SO, Gonzalez Moctezuma LE, Rak M, Casola V, Rios E, Martinez Lastra JL. **Methodology to obtain the security controls in multi-cloud applications**. In CLOSER 2016 - Proceedings of the 6th International Conference on Cloud Computing and Services Science. Vol. 1. SCITEPRESS. 2016. p. 327-332 <https://doi.org/10.5220/0005912603270332>

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

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

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

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

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

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

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

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

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

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

Moloudian G, Miri Rostami SR, Björninen T. **Modified Wilkinson power divider with harmonics suppression and compact size for GSM applications.** International Journal of RF and Microwave Computer-Aided Engineering. 2020. e22209. <https://doi.org/10.1002/mmce.22209>

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

Rajan DK, Verho J, Kreutzer J, Valimaki H, Ihalainen H, Lekkala J et al. **Monitoring pH, temperature and humidity in long-term stem cell culture in CO<sub>2</sub> incubator.** In 2017 IEEE International Symposium on Medical Measurements and Applications (MeMeA). IEEE. 2017. p. 470-474 <https://doi.org/10.1109/MeMeA.2017.7985922>

Korpijärvi V-M, Kantola EL, Leinonen T, Guina M. **Monolithic GaInNAsSb/GaAs VECSEL emitting at 1550 nm.** In SPIE conference proceedings. Vol. 9349. SPIE. 2015. 93490D <https://doi.org/10.1117/12.2077517>

Deng S, Tong J, Lin Y, Li H, Liu Y. **Motivating scholars' responses in academic social networking sites: An empirical study on ResearchGate Q&A behavior.** INFORMATION PROCESSING AND MANAGEMENT. 2019 Nov 1;56(6). 102082. <https://doi.org/10.1016/j.ipm.2019.102082>

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

Sapaev UK, Yusupov DB, Assanto G. **Multicolor nonlinear pulse compression by consecutive optical parametric amplification in quasi-phase matched structures.** In ICONO 2010: International Conference on Coherent and Nonlinear Optics. Vol. 7993. 2011. 79930Q <https://doi.org/10.1117/12.882887>

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

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

Cho C, Yi X, Wang Y, Tentzeris MM. **Multi-physics modeling and simulation of a frequency doubling antenna sensor for passive wireless strain sensing**. In Structural Health Monitoring 2015: System Reliability for Verification and Implementation - Proceedings of the 10th International Workshop on Structural Health Monitoring, IWSHM 2015. Vol. 2. DEStech Publications. 2015. p. 864-872

Yi X, Wang Y, Tentzeris MM, Leon RT. **Multi-physics modeling and simulation of a slotted patch antenna for wireless strain sensing**. In Structural Health Monitoring 2013: A Roadmap to Intelligent Structures - Proceedings of the 9th International Workshop on Structural Health Monitoring, IWSHM 2013. Vol. 2. DEStech Publications. 2013. p. 1857-1864

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

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

Liang Y, Ma L, Wang J, Wang G. **Multistep reactions of water with small Pd<sub>n</sub> clusters: A first principles study**. Journal of Theoretical and Computational Chemistry. 2015 May 1;14(3). 1550017. <https://doi.org/10.1142/S0219633615500170>

Hsu CJ, Pino JL, Bhattacharyya SS. **Multithreaded simulation for synchronous dataflow graphs**. ACM Transactions on Design Automation of Electronic Systems. 2011 Jun;16(3). 25. <https://doi.org/10.1145/1970353.1970358>

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

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

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

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

Turunen E. **Necessary and sufficient conditions for the existence of solution of generalized fuzzy relation equations  $A \Leftrightarrow X = B$** . Information Sciences. 2020 Oct 1;536:351-357. <https://doi.org/10.1016/j.ins.2020.05.015>

González-Díaz I, Birinci M, Díaz-De-María F, Delp EJ. **Neighborhood Matching for Image Retrieval**. IEEE Transactions on Multimedia. 2017 Mar 1;19(3):544-558. <https://doi.org/10.1109/TMM.2016.2616298>

Tripathi S, Dehmer M, Emmert-Streib F. **NetBioV: An R package for visualizing large network data in biology and medicine**. Bioinformatics. 2014 Apr 2;30(19):2834-2836. <https://doi.org/10.1093/bioinformatics/btu384>



Altay G, Kurt Z, Dehmer M, Emmert-Streib F. **Netmes: Assessing gene network inference algorithms by network-based measures**. *Evolutionary Bioinformatics*. 2013 Dec 7;10. <https://doi.org/10.4137/EBO.S13481>

Dehmer M, Borgert S, Emmert-Streib F. **Network classes and graph complexity measures**. In Proc. - 2008 1st International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems. Medical Applications of the Complex Systems. Biomedical Computing, CANS 2008. 2008. p. 77-84. 5231507 <https://doi.org/10.1109/CANS.2008.17>

Milagro J, Gil E, Lazaro J, Seppae VP, Malmberg LP, Pelkonen AS et al. **Nocturnal Heart Rate Variability Spectrum Characterization in Preschool Children with Asthmatic Symptoms**. *IEEE Journal of Biomedical and Health Informatics*. 2018 Sep;22(5):1332-1340. <https://doi.org/10.1109/JBHI.2017.2775059>

Achimova E, Abaskin V, Claus D, Pedrini G, Shevkunov I, Katkovnik V. **Noise minimized high resolution digital holographic microscopy applied to surface topography**. *Computer Optics*. 2018 Mar 1;42(2):267-272. <https://doi.org/10.18287/2412-6179-2018-42-2-267-272>

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

Voronin VV, Frantc VA, Marchuk VI, Sherstobitov AI, Egiazarian K. **No-reference visual quality assessment for image inpainting**. In *Image Processing: Algorithms and Systems XIII*. SPIE. 2015. 93990U. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2076507>

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

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

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

Radevici I, Sadi T, Tripurari T, Tiira J, Ranta S, Tukiainen A et al. **Observation of local electroluminescent cooling and identifying the remaining challenges**. In *Seletskiy DV, Epstein RI, Sheik-Bahae M, editors, Photonic Heat Engines: Science and Applications*. SPIE, IEEE. 2019. 109360A. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2505814>

Barneto CB, Anttila L, Fleischer M, Valkama M. **OFDM radar with LTE waveform: Processing and performance**. In *2019 IEEE Radio and Wireless Symposium, RWS 2019*. IEEE COMPUTER SOCIETY PRESS. 2019. 8714410. (IEEE Radio and Wireless Symposium, RWS). <https://doi.org/10.1109/RWS.2019.8714410>

Salminen K, Rantala J, Isokoski P, Lehtonen M, Müller P, Karjalainen M et al. **Olfactory display prototype for presenting and sensing authentic and synthetic odors**. In *ICMI 2018 - Proceedings of the 2018 International Conference on Multimodal Interaction*. ACM. 2018. p. 73-77 <https://doi.org/10.1145/3242969.3242999>

Juhola M, Joutsijoki H, Varpa K, Saarikoski J, Rasku J, Iltanen K et al. **On computation of calcium cycling anomalies in cardiomyocytes data**. In *2014 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2014*. Institute of Electrical and Electronics Engineers Inc. 2014. p. 1444-1447. 6943872 <https://doi.org/10.1109/EMBC.2014.6943872>

- Raitoharju J, Meissner K. **On Confidences and Their Use in (Semi-)Automatic Multi-Image Taxa Identification**. In 2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019. IEEE. 2019. p. 1338-1343. 9002975  
<https://doi.org/10.1109/SSCI44817.2019.9002975>
- Ivanov S, Botvich D, Balasubramaniam S. **On delay distribution in IEEE 802.11 wireless networks**. In 16th IEEE Symposium on Computers and Communications, ISCC'11. 2011. p. 254-256. 5983849  
<https://doi.org/10.1109/ISCC.2011.5983849>
- Dehmer M, Varmuza K, Borgert S, Emmert-Streib F. **On entropy-based molecular descriptors: Statistical analysis of real and synthetic chemical structures**. Journal of Chemical Information and Modeling. 2009 Jul 27;49(7):1655-1663.  
<https://doi.org/10.1021/ci900060x>
- Galinina O, Tabassum H, Mikhaylov K, Andreev S, Hossain E, Koucheryavy Y. **On feasibility of 5G-grade dedicated RF charging technology for wireless-powered wearables**. IEEE Wireless Communications. 2016 Apr 1;23(2):28-37.  
<https://doi.org/10.1109/MWC.2016.7462482>
- De Biasi M, Lauri J. **On the complexity of restoring corrupted colorings**. Journal of Combinatorial Optimization. 2019 May;37(4):1150-1169. <https://doi.org/10.1007/s10878-018-0342-2>
- Lavazza L, Morasca S, Taibi D, Tosi D. **On the definition of dynamic software measures**. International Symposium on Empirical Software Engineering and Measurement. 2012;39-48. <https://doi.org/10.1145/2372251.2372259>
- Dehmer M, Chen Z, Mowshowitz A, Jodlbauer H, Emmert-Streib F, Shi Y et al. **On the degeneracy of the Randić entropy and related graph measures**. Information Sciences. 2018. <https://doi.org/10.1016/j.ins.2018.11.011>
- Baldassarre MT, Lenarduzzi V, Romano S, Saarimäki N. **On the diffuseness of technical debt items and accuracy of remediation time when using SonarQube**. Information and Software Technology. 2020;128. 106377.  
<https://doi.org/10.1016/j.infsof.2020.106377>
- Iosifidis A, Tefas A, Pitas I. **On the optimal class representation in linear discriminant analysis**. IEEE Transactions on Neural Networks and Learning Systems . 2013;24(9):1491-1497. <https://doi.org/10.1109/TNNLS.2013.2258937>
- Marshoud H, Sofotasios PC, Muhaidat S, Karagiannidis GK, Sharif BS. **On the Performance of Visible Light Communication Systems with Non-Orthogonal Multiple Access**. IEEE Transactions on Wireless Communications. 2017 Oct 1;16(10):6350-6364. <https://doi.org/10.1109/TWC.2017.2722441>
- Ghorbani M, Dehmer M, Cao S, Feng L, Tao J, Emmert-Streib F. **On the zeros of the partial Hosoya polynomial of graphs**. Information Sciences. 2020 Jul 1;524:199-215. <https://doi.org/10.1016/j.ins.2020.03.011>
- Petrov V, Fodor G, Kokkonen J, Moltchanov D, Lehtomäki J, Andreev S et al. **On Unified Vehicular Communications and Radar Sensing in Millimeter-Wave and Low Terahertz Bands**. IEEE Wireless Communications. 2019 Jun;26(3):146-153. 8722599. <https://doi.org/10.1109/MWC.2019.1800328>
- Stumpel JE, Broer DJ, Bastiaansen CWM, Schenning APHJ. **Optical and topographic changes in water-responsive patterned cholesteric liquid crystalline polymer coatings**. In Proceedings of SPIE: Organic Photonics VI. Vol. 9137. SPIE. 2014. 91370U. (Proceedings of SPIE: the International Society for Optical Engineering).  
<https://doi.org/10.1117/12.2052678>
- Marshoud H, Muhaidat S, Sofotasios PC, Imran M, Sharif BS, Karagiannidis GK. **Optical Asymmetric Modulation for VLC Systems - Invited Paper**. In 2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018. IEEE. 2018. p. 1-5  
<https://doi.org/10.1109/VTCSpring.2018.8417541>
- Fotiadi AA, Korobko DA, Okhotnikov OG, Zolotovskii IO. **Optical fiber amplifier with spectral compression elements for high-power laser pulse generation**. In Nonlinear Optics and its Applications IV. Vol. 9894. SPIE. 2016. 989411. (Proceedings of SPIE). <https://doi.org/10.1117/12.2223637>

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

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

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

de Matos Simoes R, Tripathi S, Emmert-Streib F. **Organizational structure and the periphery of the gene regulatory network in B-cell lymphoma**. BMC Systems Biology. 2012 May 14;6. 38. <https://doi.org/10.1186/1752-0509-6-38>

Mäenpää H, Mäkinen S, Kilamo T, Mikkonen T, Männistö T, Ritala P. **Organizing for openness: six models for developer involvement in hybrid OSS projects**. Journal of Internet Services and Applications. 2018 Dec 1;9(1). 17. <https://doi.org/10.1186/s13174-018-0088-1>

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

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

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

Begishev VO, Sopin ES, Molchanov DA, Samouylov AK, Gaidamaka YV, Samouylov KE. **Performance evaluation of bandwidth reservation for mmWave 5G NR systems**. Informatsionno-Upravliaiushchie Sistemy. 2019 Jan 1;(5):51-63. <https://doi.org/10.31799/1684-8853-2019-5-51-63>

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

Khan S, Saastamoinen J, Huusko J, Nurmi J. **Performance evaluation of distributed NoTA applications on multi-core platforms**. In Proceedings - 2011 IEEE 2nd International Conference on Networked Embedded Systems for Enterprise Applications, NESEA 2011. 2011. 6144931 <https://doi.org/10.1109/NESEA.2011.6144931>

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

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

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

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

Filippov V, Vorotynskii A, Noronen T, Gumenyuk R, Chamorovskii Y, Golant K. **Picosecond MOPA with ytterbium doped tapered double clad fiber**. In Fiber Lasers XIV: Technology and Systems. Vol. 10083. SPIE. 2017. 100831H. (Proceedings of SPIE; 10083). <https://doi.org/10.1117/12.2252006>

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

Saintsing CD, Yu K, Qi HJ, Tentzeris M. **Planar monopole antennas on substrates fabricated through an additive manufacturing process**. IEEE Radio and Wireless Symposium, RWS. 2015 Jun 19;2015-June(June):159-161. 7129744. <https://doi.org/10.1109/RWS.2015.7129744>

Paunonen L, Laakkonen P. **Polynomial Input-Output Stability for Linear Systems**. IEEE Transactions on Automatic Control . 2015 Oct 1;60(10):2797-2802. <https://doi.org/10.1109/TAC.2015.2398890>

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

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

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

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

Heikkinen J, Gumenyuk R, Rantamäki A, Lyytikäinen J, Leinonen T, Zolotovskii I et al. **Power and wavelength scaling using semiconductor disk laser - bismuth fiber MOPA systems**. In Guina M, editor, Vertical External Cavity Surface Emitting Lasers (VECSELs) V. BELLINGHAM: SPIE. 2015. 93490E. (Proceedings of SPIE). <https://doi.org/10.1117/12.2076805>

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

Suzumori K, Hyon SH, Semini C, Mattila J, Kanda T. **Preface: Special Issue on 'New Hydraulic Components for Tough Robots'**. Advanced Robotics. 2018 May 3;32(9). <https://doi.org/10.1080/01691864.2018.1466427>

Lin Z, Le T, Song X, Yao Y, Li Z, Moon KS et al. **Preparation of water-based carbon nanotube inks and application in the inkjet printing of carbon nanotube gas sensors**. Journal of Electronic Packaging. 2013;135(1). 011001. <https://doi.org/10.1115/1.4023758>

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

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

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

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

Kulya MS, Sokolenko B, Gorodetsky A, Petrov NV. **Propagation dynamics of ultrabroadband terahertz beams with orbital angular momentum for wireless data transfer**. In Dingel BB, Tsukamoto K, Mikroulis S, editors, Broadband Access Communication Technologies XIV. SPIE. 2020. 113070J. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2547695>

Kantola E, Leinonen T, Ranta S, Tavast M, Guina M. **Pulsed high-power yellow-orange VECSEL**. In Photonics Europe 2014, Semiconductor Lasers and Laser Dynamics VI, April 14-17, 2014, Brussels, Belgium. Proceedings of SPIE. Vol. 9134. SPIE. 2014. 91340Z. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2054716>

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

Dehmer M, Emmert-Streib F, Shi Y. **Quantitative Graph Theory: A new branch of graph theory and network science**. Information Sciences. 2017 Dec 1;418-419:575-580. <https://doi.org/10.1016/j.ins.2017.08.009>

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

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

Aytekin C, Rezaeitabar Y, Dogru S, Ulusoy I. **Railway fastener inspection by real-time machine vision**. IEEE Transactions on Systems, Man, and Cybernetics: Systems. 2015 Jul 1;45(7):1101-1107. <https://doi.org/10.1109/TSMC.2014.2388435>

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

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

Teke B, Lanz M, Kämäräinen J-K, Hietanen A. **Real-time and Robust Collaborative Robot Motion Control with Microsoft Kinect @ v2**. In 2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018. IEEE. 2018. 8449156 <https://doi.org/10.1109/MESA.2018.8449156>

Smirnov S, Gotchev A. **Real-time depth image-based rendering with layered dis-occlusion compensation and aliasing-free composition**. In Proceedings of SPIE - The International Society for Optical Engineering. SPIE. 2015. 93990T. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2086895>

Heino M, Korpi D, Huusari T, Antonio-Rodríguez E, Venkatasubramanian S, Riihonen T et al. **Recent advances in antenna design and interference cancellation algorithms for in-band full duplex relays.** IEEE Communications Magazine. 2015 May 1;53(5):91-101. <https://doi.org/10.1109/MCOM.2015.7105647>

De Oliveira MT, Michalas A, Groot AED, Marquering HA, Olabbarriaga SD. **Red Alert: Break-Glass Protocol to Access Encrypted Medical Records in the Cloud.** In 2019 IEEE International Conference on E-Health Networking, Application and Services, HealthCom 2019. IEEE. 2019. 9009598 <https://doi.org/10.1109/HealthCom46333.2019.9009598>

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

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

Iosifidis A, Tefas A, Pitas I. **Regularized extreme learning machine for multi-view semi-supervised action recognition.** Neurocomputing. 2014 Dec 5;145:250-262. <https://doi.org/10.1016/j.neucom.2014.05.036>

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

Altay G, Emmert-Streib F. **Revealing differences in gene network inference algorithms on the network level by ensemble methods.** Bioinformatics. 2010 May 25;26(14):1738-1744. btq259. <https://doi.org/10.1093/bioinformatics/btq259>

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

Kimionis J, Tentzeris MM. **RF tag front-end design for uncompromised communication and harvesting.** In 2014 IEEE RFID Technology and Applications Conference, RFID-TA 2014. Institute of Electrical and Electronics Engineers Inc. 2014. p. 109-114. 6934210 <https://doi.org/10.1109/RFID-TA.2014.6934210>

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

Korpela T, Suominen O, Majanne Y, Laukkanen V, Lautala P. **Robust data reconciliation of combustion variables in multi-fuel fired industrial boilers.** Control Engineering Practice. 2016 Jul 21;55:101-115. <https://doi.org/10.1016/j.conengprac.2016.07.002>

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

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

Paunonen L. **Robust Output Regulation for Continuous-Time Periodic Systems.** IEEE Transactions on Automatic Control. 2017 Sep 1;62(9):4363-4375. <https://doi.org/10.1109/TAC.2017.2654968>

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

Mahmoodpour M, Lobov A, Lanz M, Mäkelä P, Rundas N. **Role-based visualization of industrial IoT-based systems**. In 2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018. IEEE. 2018. 8449183 <https://doi.org/10.1109/MESA.2018.8449183>

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

Stupnikov A, Tripathi S, De Matos Simoes R, McArt D, Salto-Tellez M, Glazko G et al. **SamExploreR: Exploring reproducibility and robustness of RNA-seq results based on SAM files**. Bioinformatics. 2016 Nov 1;32(21):3345-3347. <https://doi.org/10.1093/bioinformatics/btw475>

Martins L, Neeli-Venkata R, Oliveira SMD, Häkkinen A, Ribeiro AS, Fonseca JM. **SCIP: a single-cell image processor toolbox**. Bioinformatics. 2018 Dec 15;34(24):4318-4320. <https://doi.org/10.1093/bioinformatics/bty505>

Kolehmainen A. **Secure Firmware Updates for IoT: A Survey**. In Proceedings - IEEE 2018 International Congress on Cybermatics: 2018 IEEE Conferences on Internet of Things, Green Computing and Communications, Cyber, Physical and Social Computing, Smart Data, Blockchain, Computer and Information Technology, iThings/GreenCom/CPSCoM/SmartData/Blockchain/CIT 2018. IEEE. 2018. p. 112-117 [https://doi.org/10.1109/Cybermatics\\_2018.2018.00051](https://doi.org/10.1109/Cybermatics_2018.2018.00051)

Rivero Rodriguez A, Leppäkoski H, Piché R. **Semantic Labeling of Places based on Phone Usage Features using Supervised Learning**. In 2014 Ubiquitous Positioning Indoor Navigation and Location Based Service, UPINLBS 2014 - Conference Proceedings. Piscataway, NJ, USA: IEEE. 2015. p. 97-102. 7033715 <https://doi.org/10.1109/UPINLBS.2014.7033715>

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

Karavirta V, Ihanola P, Koskinen T. **Service-oriented approach to improve interoperability of e-learning systems**. In Proceedings - 2013 IEEE 13th International Conference on Advanced Learning Technologies, ICALT 2013. 2013. p. 341-345. 6601947 <https://doi.org/10.1109/ICALT.2013.105>

Tripathi S, Lloyd-Price J, Ribeiro A, Yli-Harja O, Dehmer M, Emmert-Streib F. **sgnesR: An R package for simulating gene expression data from an underlying real gene network structure considering delay parameters**. BMC Bioinformatics. 2017 Jul 4;18(1). 325. <https://doi.org/10.1186/s12859-017-1731-8>

Saleh A, Ryczkowski P, Genty G, Toivonen J. **Short-range supercontinuum based lidar for combustion diagnostics**. In Kimata M, Valenta CR, editors, SPIE Future Sensing Technologies. SPIE, IEEE. 2019. 111970Y. (Proceedings of SPIE). <https://doi.org/10.1117/12.2542720>

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

Pulkkinen U, Rantala TT, Rantala TS, Lantto V. **Simulation of oxygen exchange of SnO<sub>2</sub> surface**. Computer Physics Communications. 1999 Sep;121:720.

Frantc VA, Makov SV, Voronin VV, Marchuk VI, Semenishchev EA, Egiazarian KO et al. **Simultaneous binary hash and features learning for image retrieval**. In Mobile Multimedia/Image Processing, Security, and Applications 2016. SPIE. 2016. 986902. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2223605>

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

Neri M, Campi A, Suffritti R, Grimaccia F, Sinogas P, Guye O et al. **SkyMedia - UAV-based capturing of HD/3D content with WSN augmentation for immersive media experiences**. In Electronic Proceedings of the 2011 IEEE International Conference on Multimedia and Expo, ICME 2011. 2011. 6012133 <https://doi.org/10.1109/ICME.2011.6012133>

Galinina O, Mikhaylov K, Andreev S, Turlikov A, Koucheryavy Y. **Smart home gateway system over Bluetooth low energy with wireless energy transfer capability**. Eurasip Journal on Wireless Communications and Networking. 2015;2015(1). 178. <https://doi.org/10.1186/s13638-015-0393-3>

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

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

Moltchanov D, Kovalchukov R, Gerasimenko M, Andreev S, Koucheryavy Y, Gerla M. **Socially inspired relaying and proactive mode selection in mmWave vehicular communications**. IEEE Internet of Things Journal. 2019 Jun 1;6(3):5172-5183. <https://doi.org/10.1109/JIOT.2019.2898420>

Fu S, Li H, Liu Y, Pirkkalainen H, Salo M. **Social media overload, exhaustion, and use discontinuance: Examining the effects of information overload, system feature overload, and social overload**. INFORMATION PROCESSING AND MANAGEMENT. 2020;57(6). 102307. <https://doi.org/10.1016/j.ipm.2020.102307>

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

Gadoura I, Suntio T, Zenger K, Vallittu P. **Soft computing-based controller design for a telecom rectifier**. In Martikainen J, editor. SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications. Institute of Electrical and Electronics Engineers Inc. 1999. p. 80-85. 782712. (SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications). <https://doi.org/10.1109/SMCIA.1999.782712>

Netzev M, Angleraud A, Pieters R. **Soft robotic gripper with compliant cell stacks for industrial part handling**. IEEE Robotics and Automation Letters. 2020 Oct 1;5(4):6821-6828. <https://doi.org/10.1109/LRA.2020.3020546>

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

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

Koivumäki J, Mattila J. **Stability-Guaranteed Force-Sensorless Contact Force/Motion Control of Heavy-Duty Hydraulic Manipulators**. IEEE Transactions on Robotics. 2015 Aug 1;31(4):918-935. <https://doi.org/10.1109/TRO.2015.2441492>

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



- Repo S, Laaksonen H, Järventausta P. **Statistical short-term network planning of distribution system and distributed generation**. 2005. Paper presented at 15th Power Systems Computation Conference, PSCC 2005, Liege, Belgium.
- Zemliachenko A, Lukin V, Ponomarenko N, Egiazarian K, Astola J. **Still image/video frame lossy compression providing a desired visual quality**. *Multidimensional Systems and Signal Processing*. 2016;27(3):697-718. <https://doi.org/10.1007/s11045-015-0333-8>
- Emmert-Streib F. **Stochastic Sznajd Model in open community**. *International Journal of Modern Physics C*. 2005 Nov;16(11):1693-1699. <https://doi.org/10.1142/S0129183105008217>
- Mueller LAJ, Kugler KG, Graber A, Emmert-Streib F, Dehmer M. **Structural Measures for Network Biology Using QuACN**. *BMC Bioinformatics*. 2011 Dec 24;12(1). 492. <https://doi.org/10.1186/1471-2105-12-492>
- Stenos J, Waern A, Montola M. **Studying the Elusive Experience in Pervasive Games**. *SIMULATION AND GAMING*. 2012 Jun;43(3):339-355. <https://doi.org/10.1177/1046878111422532>
- Tejero-de-Pablos A, Nakashima Y, Sato T, Yokoya N, Linna M, Rahtu E. **Summarization of User-Generated Sports Video by Using Deep Action Recognition Features**. *IEEE Transactions on Multimedia*. 2018 Aug;20(8):2000-2011. <https://doi.org/10.1109/TMM.2018.2794265>
- Xu L, Saerens G, Timofeeva M, Miroshnichenko AE, Camacho-Morales R, Volkovskaya I et al. **Switchable unidirectional second-harmonic emission through GaAs nanoantennas**. In Mitchell A, Rubinsztein-Dunlop H, editors, *AOS Australian Conference on Optical Fibre Technology, ACOFT 2019 and Australian Conference on Optics, Lasers, and Spectroscopy, ACOLS 2019*. SPIE. 2019. 112000J. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2539887>
- Zhou Z, Shen CC, Plishker W, Wu HH, Bhattacharyya SS. **Systematic integration of flowgraph- and module-level parallelism in implementation of DSP applications on multiprocessor systems-on-chip**. In *ICSP 2012 - 2012 11th International Conference on Signal Processing, Proceedings*. Vol. 1. 2012. p. 402-408. 6491686 <https://doi.org/10.1109/ICoSP.2012.6491686>
- Oftadeh R, Aref MM, Ghabcheloo R, Mattila J. **System integration for real-time mobile manipulation**. *international Journal of Advanced Robotic Systems*. 2014 Mar 28;11(1). 51. <https://doi.org/10.5772/58467>
- Ometov A, Daneshfar N, Hazmi A, Andreev S, Del Carpio LF, Amin P et al. **System-level analysis of IEEE 802.11ah technology for unsaturated MTC traffic**. *International Journal of Sensor Networks*. 2018;26(4):269-282. <https://doi.org/10.1504/IJSNET.2018.090480>
- Sautter J, Xu L, Miroshnichenko A, Lysevych M, Volkovskaya I, Smirnova D et al. **Tailoring directional scattering of second-harmonic generation from (111)-GaAs nanoantennas**. In Mitchell A, Rubinsztein-Dunlop H, editors, *AOS Australian Conference on Optical Fibre Technology, ACOFT 2019 and Australian Conference on Optics, Lasers, and Spectroscopy, ACOLS 2019*. SPIE. 2019. 112000H. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2539086>
- Järvelin K, Vakkari P, Arvola P, Baskaya F, Järvelin A, Kekäläinen J et al. **Task-based information interaction evaluation: The viewpoint of program theory**. *ACM Transactions on Information Systems*. 2015 Mar 1;33(1). 3. <https://doi.org/10.1145/2699660>
- Yunas SF, Ansari WH, Valkama M. **Technoeconomical Analysis of Macrocell and Femtocell Based HetNet under Different Deployment Constraints**. *Mobile Information Systems*. 2016;2016. 6927678. <https://doi.org/10.1155/2016/6927678>
- Solomitchii D, Gapeyenko M, Semkin V, Andreev S, Koucheryavy Y. **Technologies for Efficient Amateur Drone Detection in 5G Millimeter-Wave Cellular Infrastructure**. *IEEE Communications Magazine*. 2018 Jan 1;56(1):43-50. <https://doi.org/10.1109/MCOM.2017.1700450>

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

Naumenko A, Krivenko S, Ponomarenko N, Zelensky A, Lukin V. **Texture detection in noisy images by combining several local parameters.** In 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings. Institute of Electrical and Electronics Engineers Inc. 2015. p. 230-233. 7357321 <https://doi.org/10.1109/INFOCOMMST.2015.7357321>

Tauriainen MK, Puttonen JA, Saari AJ. **The assessment of constructability: BIM cases.** Journal of Information Technology in Construction. 2015 Jan 1;20:51-67.

Pohjola J, Turunen J, Lipping T. **The effect of lake bottom sediment layers on radionuclide transport from bedrock to biosphere and doses to humans.** 2017. Paper presented at 4th International Conference on Radioecology & Environmental Radioactivity, Berlin, Germany.

Peltokangas M, Suominen V, Vakhitov D, Verho J, Korhonen J, Leikkala J et al. **The effect of percutaneous transluminal angioplasty of superficial femoral artery on pulse wave features.** Computers in Biology and Medicine. 2018 May 1;96:274-282. <https://doi.org/10.1016/j.combiomed.2018.04.003>

Shahshahan M, Keinänen P, Vuorinen J. **The Effect of Ultrasonic Dispersion on the Surface Chemistry of Carbon Nanotubes in the Jeffamine D-230 Polyetheramine Medium.** IEEE Transactions on Nanotechnology. 2017 Sep 1;16(5):741-744. <https://doi.org/10.1109/TNANO.2017.2691904>

Hyrnsalmi S, Suominen A, Mäkilä T, Knuutila T. **The emerging application ecosystems: An introductory analysis of android ecosystem.** INTERNATIONAL JOURNAL OF E-BUSINESS RESEARCH. 2014 Apr 1;10(2):61-81. <https://doi.org/10.4018/ijebr.2014040104>

Yoo SK, Cotton SL, Sofotasios PC, Matthaiou M, Valkama M, Karagiannidis GK. **The Fisher-Snedecor F Distribution: A Simple and Accurate Composite Fading Model.** IEEE Communications Letters. 2017 Jul 1;21(7):1661-1664. <https://doi.org/10.1109/LCOMM.2017.2687438>

Akyildiz IF, Pierobon M, Balasubramaniam S, Koucheryavy Y. **The internet of Bio-Nano things.** IEEE Communications Magazine. 2015 Mar 1;53(3):32-40. <https://doi.org/10.1109/MCOM.2015.7060516>

Andreev S, Dobre C. **The Internet of Things and Sensor Networks.** IEEE Communications Magazine. 2019 Sep 1;57(9):70-70. <https://doi.org/10.1109/MCOM.2019.8847229>

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

Caglayan H, Ozbay E. **The magical world of metamaterials.** In Photonic Materials, Devices, and Applications III. Vol. 7366. 2009. 73660X. (Proceedings of SPIE). <https://doi.org/10.1117/12.821407>

Yi X, Vyas R, Cho C, Fang CH, Cooper J, Wang Y et al. **Thermal effects on a passive wireless antenna sensor for strain and crack sensing.** In Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2012. Vol. 8345. 2012. 83450F <https://doi.org/10.1117/12.914833>

Yi X, Wu T, Lantz G, Wang Y, Leon RT, Tentzeris MM. **Thickness variation study of RFID-based folded patch antennas for strain sensing.** In Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2011. Vol. 7981. 2011. 79811H <https://doi.org/10.1117/12.879868>

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

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

Serra A, Fratello M, Del Giudice G, Saarimäki LA, Paci M, Federico A et al. **TinderMIX: Time-dose integrated modelling of toxicogenomics data**. GigaScience. 2020 May 1;9(5). <https://doi.org/10.1093/gigascience/giaa055>

Emmert-Streib F, Dehmer M. **Towards a channel capacity of communication networks**. In Proc. - 2008 1st International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems. Medical Applications of the Complex Systems. Biomedical Computing, CANS 2008. 2008. p. 94-99. 5231493 <https://doi.org/10.1109/CANS.2008.19>

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

Mokammel F, Coatanea E, Christophe F, Ba Khouya M, Medyna G. **Towards an approach for evaluating the quality of requirements**. In 33rd Computers and Information in Engineering Conference. Vol. 2 B. American Society of Mechanical Engineers. 2013. V02BT02A024 <https://doi.org/10.1115/DETC2013-13708>

Morasca S, Taibi D, Tosi D. **Towards certifying the testing process of open-source software: New challenges or old methodologies?** In Proceedings of the 2009 ICSE Workshop on Emerging Trends in Free/Libre/Open Source Software Research and Development, FLOSS 2009. 2009. p. 25-30. 5071356 <https://doi.org/10.1109/FLOSS.2009.5071356>

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

Dehmer M, Chen Z, Emmert-Streib F, Mowshowitz A, Shi Y, Tripathi S et al. **Towards detecting structural branching and cyclicity in graphs: A polynomial-based approach**. Information Sciences. 2019 Jan 1;471:19-28. <https://doi.org/10.1016/j.ins.2018.08.043>

Paladi N, Michalas A, Dang HV. **Towards secure cloud orchestration for multi-cloud deployments**. In CrossCloud 2018 - 5th Workshop on CrossCloud Infrastructures and Platforms, colocated with EuroSys 2018. ACM. 2018. a4 <https://doi.org/10.1145/3195870.3195874>

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

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

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

Ometov A, Orsino A, Militano L, Moltchanov D, Araniti G, Olshannikova E et al. **Toward trusted, social-aware D2D connectivity: Bridging across the technology and sociality realms**. IEEE Wireless Communications. 2016 Aug 1;23(4):103-111. <https://doi.org/10.1109/MWC.2016.7553033>

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

Faisal A, Gillberg J, Leen G, Peltonen J. **Transfer learning using a nonparametric sparse topic model.** Neurocomputing. 2013 Jul 18;112:124-137. <https://doi.org/10.1016/j.neucom.2012.12.038>

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

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

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

Terryn L, Calders K, Disney M, Origo N, Malhi Y, Newnham G et al. **Tree species classification using structural features derived from terrestrial laser scanning.** ISPRS Journal of Photogrammetry and Remote Sensing. 2020 Oct 1;168:170-181. <https://doi.org/10.1016/j.isprsjprs.2020.08.009>

Taylor J, Altamirano-Medina H, Shrubsole C, Das P, Biddulph P, Davies M et al. **Tuberculosis transmission: Modelled impact of air-tightness in dwellings in the UK.** 2014. Paper presented at 13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014, Hong Kong, Hong Kong.

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

Urama J, Wiren R, Galinina O, Kauppi J, Hiltunen K, Erkkilä J et al. **UAV-Aided Interference Assessment for Private 5G NR Deployments: Challenges and Solutions.** IEEE Communications Magazine. 2020;58(8):89-95. <https://doi.org/10.1109/MCOM.001.2000042>

Noronen T, Fedotov A, Rissanen J, Gumenyuk R, Butov O, Chamorovskii Y et al. **Ultra-large mode area single frequency anisotropic MOPA with double clad Yb-doped tapered fiber.** In Fiber Lasers XV: Technology and Systems. SPIE, IEEE. 2018. 105121T. (Proceedings of SPIE). <https://doi.org/10.1117/12.2288942>

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

Pirkkalainen H, Jokinen JPP, Pawlowski JM. **Understanding social OER environments-A quantitative study on factors influencing the motivation to share and collaborate.** IEEE Transactions on Learning Technologies. 2014 Oct 1;7(4):388-400. 6823168. <https://doi.org/10.1109/TLT.2014.2323970>

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