

- Kantola E, Leinonen T, Ranta S, Tavast M, Penttinen J-P, Guina M. 2015. 1180nm VECSEL with 50 W output power. In Proceedings of SPIE - The International Society for Optical Engineering. SPIE. <https://doi.org/10.1117/12.2079480>
- Viherialä J, Tuorila H, Zia N, Cherchi M, Aalto T, Guina M. 2019. 1.3 $\mu$ m U-bend traveling wave SOA devices for high efficiency coupling to silicon photonics. Reed GT, Knights AP, editors. In Silicon Photonics XIV. SPIE, IEEE. (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, Kapon E. 2019. 1.55- $\mu$ m wavelength wafer-fused OP-VECSELs in flip-chip configuration. Keller U, editor. In Vertical External Cavity Surface Emitting Lasers (VECSELs) IX. SPIE, IEEE. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2508342>
- Khonsari Z, Björninen T, Tentzeris MM, Sydänheimo L, Ukkonen L. 2015. 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. pp. 153-155. <https://doi.org/10.1109/RWS.2015.7129721>
- Yadav A, Chichkov NB, Gumenyuk R, Zherebtsov E, Melkumov MA, Yashkov MV, Dianov EM, Rafailov EU. 2019. 405-nm pumped Ce<sup>3+</sup>-doped silica fiber for broadband fluorescence from cyan to red. Digonnet MJF, Jiang S, editors. In Optical Components and Materials XVI. SPIE, IEEE. (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. 2019. 5G-U: Conceptualizing Integrated Utilization of Licensed and Unlicensed Spectrum for Future IoT. IEEE Communications Magazine. 57(7):92-98. <https://doi.org/10.1109/MCOM.2019.1800663>
- Wang Y, Zhao Y, Pan Z, Suomalainen S, Härkönen A, Guina M, Griebner U, Wang L, Loiko P, Mateos X, Chen W, Petrov V. 2020. 73-fs SESAM mode-locked Tm,Ho:CNGG laser at 2061 nm. Clarkson WA, Shori RK, editors. In Solid State Lasers XXIX: Technology and Devices. SPIE. (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. 2019. Acceptance and perceptions of interactive location-tracking displays. Gentile V, Cauchard JR, editors. In Pervasive Displays 2019 - 8th ACM International Symposium on Pervasive Displays, PerDis 2019. ACM. <https://doi.org/10.1145/3321335.3324931>
- Dehmer M, Emmert-Streib F, Grabner M. 2014. A computational approach to construct a multivariate complete graph invariant. Information Sciences. 260:200-208. <https://doi.org/10.1016/j.ins.2013.11.008>
- Aldawood S, Fowley F, Pahl C, Taibi D, Liu X. 2016. 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. pp. 7-14. <https://doi.org/10.1109/W-FiCloud.2016.19>
- Georgiev GY, Aho T, Kesseli J, Yli-Harja O, Kauffman SA. 2019. Action and power efficiency in self-organization: The case for growth efficiency as a cellular objective in escherichia coli. Flores Martinez CL, Georgiev GY, Smart JM, Price ME, editors. In Evolution, Development and Complexity - Multiscale Evolutionary Models of Complex Adaptive Systems. Springer. pp. 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. 2018. Action recognition using the 3D dense microblock difference. In Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies II. SPIE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2326801>
- Merilampi S, Koivisto A, Virkki J. 2018. 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. pp. 1-5. <https://doi.org/10.1109/SeGAH.2018.8401351>

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

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

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

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

Shen CC, Wu HH, Sane N, Plishker W, Bhattacharyya SS. 2011. 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*. <https://doi.org/10.1109/ICME.2011.6011952>

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

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

Lenarduzzi V, Stan AC, Taibi D, Tosi D, Venters G. 2017. 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*. pp. 168-178.

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

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

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

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

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

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

Mohammed WM, Ferrer BR, Martinez JL, Sanchis R, Andres B, Agostinho C. 2018. 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. pp. 1209-1215. <https://doi.org/10.1109/ICE.2017.8280018>

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

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

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

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

Katasonov A, Lastusilta T, Korvola T, Saari L, Bendas D, Mohammed WM, Lee AN. 2018. An approach to production scheduling optimization a case of an oil lubrication and hydraulic systems manufacturer. 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. pp. 1123-1130. <https://doi.org/10.1109/ICE.2017.8280007>

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

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

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

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

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

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

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

Luhtala M, Karvonen T, Pylväs J, Ala-Kokko A, Magica R, Takeda Y, Turunen M. 2015. Antroposeeni - A mixed reality game. In ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference. Association for Computing Machinery, Inc. pp. 211-213. <https://doi.org/10.1145/2818187.2818287>

- Battisti F, Carli M, Stramacci A, Boev A, Gotchev A. 2015. A perceptual quality metric for high-definition stereoscopic 3D video. In *Image Processing: Algorithms and Systems XIII*. SPIE. (SPIE Conference Proceedings).  
<https://doi.org/10.1117/12.2086901>
- Mäki AJ, Verho J, Kreutzer J, Ryyänen T, Rajan D, Pekkanen-Mattila M, Ahola A, Hyttinen J, Aalto-Setälä K, Lekkala J, Kallio P. 2018. A Portable Microscale Cell Culture System with Indirect Temperature Control. *SLAS Technology*. 23(6):566-579. <https://doi.org/10.1177/2472630318768710>
- Humaloja JP, Kurula M, Paunonen L. 2019. Approximate robust output regulation of boundary control systems. *IEEE Transactions on Automatic Control*. 64(6):2210-2223. <https://doi.org/10.1109/TAC.2018.2884676>
- Chen K, Zhang Z. 2018. A Primal Neural Network for Online Equality-Constrained Quadratic Programming. *Cognitive Computation*. 10(2):381-388. <https://doi.org/10.1007/s12559-017-9510-4>
- Carminati B, Ferrari E, Morasca S, Taibi D. 2011. A probability-based approach to modeling the risk of unauthorized propagation of information in on-line social networks. In *CODASPY'11 - Proceedings of the 1st ACM Conference on Data and Application Security and Privacy*. pp. 51-61. <https://doi.org/10.1145/1943513.1943522>
- Rauti S, Lahtiranta J, Parisod H, Hyrynsalmi S, Salanterä S, Aromaa ME, Smed J, Leppänen V. 2017. A Proxy-Based Solution for Asynchronous Telemedical Systems. *International Journal of E-health and Medical Communication*. 8(3):70-83. <https://doi.org/10.4018/IJEHMC.2017070105>
- Taibi D, Lenarduzzi V, Pahl C. 2018. Architectural patterns for microservices: A systematic mapping study. In *CLOSER 2018 - Proceedings of the 8th International Conference on Cloud Computing and Services Science*. SCITEPRESS. pp. 221-232. <https://doi.org/10.5220/0006798302210232>
- Kovács PT, Zare A, Balogh T, Bregovic R, Gotchev A. 2017. Architectures and codecs for real-time light field streaming. *Journal of Imaging Science and Technology*. 61(1). <https://doi.org/10.2352/J.ImagingSci.Technol.2017.61.1.010403>
- Rodrigues PC, Monteiro A, Lourenço VM. 2015. A robust AMMI model for the analysis of genotype-by-environment data. *Bioinformatics*. 32(1):58-66. <https://doi.org/10.1093/bioinformatics/btv533>
- Heinisuo O-P, Lenarduzzi V, Taibi D. 2019. Asterism: Decentralized file sharing application for mobile devices. In *2019 7th IEEE International Conference on Mobile Cloud Computing, Services, and Engineering, MobileCloud 2019*. IEEE. pp. 38-47. <https://doi.org/10.1109/MobileCloud.2019.00013>
- Mattila J, Koivumäki J, Caldwell DG, Semini C. 2017. A survey on control of hydraulic robotic manipulators with projection to future trends. *IEEE - ASME Transactions on Mechatronics*. 22(2):669-680.  
<https://doi.org/10.1109/TMECH.2017.2668604>
- Korpi D, Anttila L, Valkama M. 2016. Asymmetric full-duplex with contiguous downlink carrier aggregation. In *2016 IEEE 17th International Workshop on Signal Processing Advances in Wireless Communications (SPAWC)*. IEEE.  
<https://doi.org/10.1109/SPAWC.2016.7536807>
- Caraffi C, Vojir T, Trefný J, Šochman J, Matas J. 2012. A system for real-time detection and tracking of vehicles from a single car-mounted camera. In *2012 15th International IEEE Conference on Intelligent Transportation Systems, ITSC 2012*. pp. 975-982. <https://doi.org/10.1109/ITSC.2012.6338748>
- Andreev S, Hosek J, Olsson T, Johnsson K, Pyattaev A, Ometov A, Olshannikova E, Gerasimenko M, Masek P, Koucheryavy Y, Mikkonen T. 2016. A unifying perspective on proximity-based cellular-assisted mobile social networking. *IEEE Communications Magazine*. 54(4):108-116. <https://doi.org/10.1109/MCOM.2016.7452274>

- Räsänen O, Seshadri S, Karadayi J, Riebling E, Bunce J, Cristia A, Metze F, Casillas M, Rosemberg C, Bergelson E, Soderstrom M. 2019. Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech. *Speech Communication*. 113:63-80. <https://doi.org/10.1016/j.specom.2019.08.005>
- Us D, Moreno-Galera A, Nazari-Farsani S, Palovuori K, Kosola H, Zedda T, Ruotsalainen U. 2015. AvanTomography: A compact module for positron emission mammography. In 2015 IEEE International Symposium on Medical Measurements and Applications, MeMeA 2015 - Proceedings. IEEE. pp. 52-57. <https://doi.org/10.1109/MeMeA.2015.7145171>
- Thanisch P, Lindell T, Nummenmaa J, Nummenmaa T. 2014. 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.
- Heikkilä J, Martinsuo M, Nenonen S. 2018. Backshoring of production in the context of a small and open Nordic economy. *Journal of Manufacturing Technology Management*. 29(4):658-675. <https://doi.org/10.1108/JMTM-12-2016-0178>
- Yu G, Zhang B, Bova GS, Xu J, Shih IM, Wang Y. 2011. BACOM: In silico detection of genomic deletion types and correction of normal cell contamination in copy number data. *Bioinformatics*. 27(11):1473-1480. <https://doi.org/10.1093/bioinformatics/btr183>
- Potapov I, Järvenpää M, Åkerblom M, Raunonen P, Kaasalainen M. 2017. Bayes Forest: A data-intensive generator of morphological tree clones. *GigaScience*. 6(10). <https://doi.org/10.1093/gigascience/gix079>
- Siiskonen A, Priimägi A. 2017. Benchmarking DFT methods with small basis sets for the calculation of halogen-bond strengths. *Journal of Molecular Modeling*. 23(2). <https://doi.org/10.1007/s00894-017-3212-4>
- Zakeri FS, Bätz M, Jaschke T, Keinert J, Chuchvara A. 2019. Benchmarking of several disparity estimation algorithms for light field processing. Bazeille S, Verrier N, Cudel C, editors. In Fourteenth International Conference on Quality Control by Artificial Vision. SPIE, IEEE. (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, Costa M, Leppänen K, Koucheryavy Y, Valkama M. 2018. Benefits of Positioning-Aided Communication Technology in High-Frequency Industrial IoT. *IEEE Communications Magazine*. 56(12):142-148. <https://doi.org/10.1109/MCOM.2018.1701057>
- Carroll R, Balasubramaniam S, Suzuki J, Lee C, Donnelly W, Botvich D. 2013. Bio-inspired service management framework: Green data-centres case study. *International Journal of Grid and Utility Computing*. 4(4):278-292. <https://doi.org/10.1504/IJGUC.2013.057115>
- Carroll R, Balasubramaniam S, Botvich D, Donnelly W. 2011. Bio-inspired service management framework: Green data-centres case study. In Proceedings - 25th IEEE International Conference on Advanced Information Networking and Applications Workshops, WAINA 2011. pp. 226-231. <https://doi.org/10.1109/WAINA.2011.119>
- Balasubramaniam S, Leibnitz K, Lio P, Botvich D, Murata M. 2011. Biological principles for future Internet architecture design. *IEEE Communications Magazine*. 49(7):44-52. <https://doi.org/10.1109/MCOM.2011.5936154>
- Marcían P, Narra N, Borák L, Chamrad J, Wolff J. 2019. Biomechanical performance of cranial implants with different thicknesses and material properties: A finite element study. *Computers in Biology and Medicine*. 109:43-52. <https://doi.org/10.1016/j.compbiomed.2019.04.016>
- Naumenko V, Solodovnik V, Totsky A, Zelensky A, Astola J. 2015. 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. pp. 224-226. <https://doi.org/10.1109/INFOCOMMST.2015.7357319>

Abramova VV, Kozhemiakin R, Abramov SK, Lukin VV, Zelensky AA, Egiazarian K. 2015. 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. <https://doi.org/10.1109/ICATT.2015.7136846>

Ponomarenko M, Gapon N, Voronin V, Egiazarian K. 2018. 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. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-382>

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

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

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

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

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

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

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

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

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

Viehrig M, Tuukkanen S, Kallio P. 2016. 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. <https://doi.org/10.1109/MARSS.2016.7561744>

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

Reponen T, Saari S, Mensah-Attipoe J, Ukkonen A, Veijalainen A, Pasanen P, Keskinen J. 2014. 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 . pp. 359-361.

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

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

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

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

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

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

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

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

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

Niemelä P, Partanen T, Toivanen T, Toikkanen T, Kangas V, Översti M. 2019. Code ABC hackathons: Teachers as tinkerers. In *Digital Turn in Schools - Research, Policy, Practice: Proceedings of ICEM 2018 Conference*. Springer International Publishing. pp. 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. 2015. Collaborative cloud-based management of home networks. In *Proceedings of the 2015 IFIP/IEEE International Symposium on Integrated Network Management, IM 2015*. IEEE. pp. 786-789. <https://doi.org/10.1109/INM.2015.7140376>

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

Murayama M, Oguro D, Kikuchi H, Huttunen H, Ho YS, Shin J. 2017. 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. <https://doi.org/10.1109/APSIPA.2016.7820681>

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

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

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

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

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

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

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

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

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

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

Niutanen V, Hölttä-Otto K, Rahardjo A, Stowe HM, Helo P, Pulkkinen A. 2017. 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. pp. 259-264.

Miroshnichenko O, Ponomarenko M, Lukin V, Egiazarian K. 2018. 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. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-385>

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

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



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

Suntio T, Waltari P, Gadoura I. 1999. Condition monitoring of storage batteries in telecom power systems-crisp vs. soft computing methodology. Martikainen J, editor. In *SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications*. IEEE. pp. 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. 2018. 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. pp. 1201-1208. <https://doi.org/10.1109/ICE.2017.8280017>

Narra N, Fouefack JR, Douglas T, Mutsvangwa T. 2018. 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. pp. 1-4. (2018 3rd Biennial South African Biomedical Engineering Conference, SAIBMEC 2018). <https://doi.org/10.1109/SAIBMEC.2018.8363175>

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

Sahin E, Vagharshakyan S, Bregovic R, Lee G, Gotchev A. 2018. 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. pp. 1441-1445. <https://doi.org/10.2352/ISSN.2470-1173.2018.04.SDA-144>

Mäkitalo N, Aaltonen T, Mikkonen T. 2016. 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. pp. 179-188. <https://doi.org/10.1145/2897073.2897079>

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

Yi X, Cho C, Wang Y, Cook B, Tentzeris MM, Leon RT. 2014. 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. pp. 1040-1047.

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

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

Silverajan B, Ocak M, Nagel B. 2018. 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. pp. 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, Fickler R, Cohen E, Karimi E. 2020. Cyclic quantum walks: Photonic realization and decoherence analysis. Hemmer PR, Migdall AL, Hasan ZU, editors. In *Advanced Optical Techniques for Quantum Information, Sensing, and Metrology*. SPIE. (Proceedings of SPIE - The International

Society for Optical Engineering). <https://doi.org/10.1117/12.2546566>

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

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

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

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

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

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

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

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

Yi X, Cho C, Cook B, Wang Y, Tentzeris MM, Leon RT. 2013. 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*. <https://doi.org/10.1117/12.2009233>

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

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

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

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

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

- Farooq A, Evreinov G, Raisamo R, Mäkinen E, Nukarinen T, Majeed AA. 2014. 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. pp. 32-42. <https://doi.org/10.1109/ICOSST.2014.7029317>
- Symonds P, Taylor J, Chalabi Z, Mavrogianni A, Davies M, Hamilton I, Vardoulakis S, Heaviside C, Macintyre H. 2016. Development of an England-wide indoor overheating and air pollution model using artificial neural networks. *JOURNAL OF BUILDING PERFORMANCE SIMULATION*. 9(6):606-619. <https://doi.org/10.1080/19401493.2016.1166265>
- Jylhä H, Hamari J. 2020. Development of measurement instrument for visual qualities of graphical user interface elements (VISQUAL): a test in the context of mobile game icons. *User Modeling and User-Adapted Interaction*. <https://doi.org/10.1007/s11257-020-09263-7>
- Lwakatare LE, Kilamo T, Karvonen T, Sauvola T, Heikkilä V, Itkonen J, Kuvaja P, Mikkonen T, Oivo M, Lassenius C. 2019. DevOps in practice: A multiple case study of five companies. *Information and Software Technology*. 114:217-230. <https://doi.org/10.1016/j.infsof.2019.06.010>
- Melekhov I, Tiulpin A, Sattler T, Pollefeys M, Rahtu E, Kannala J. 2019. DGC-Net: Dense geometric correspondence network. In 2019 IEEE Winter Conference on Applications of Computer Vision, WACV 2019. IEEE. pp. 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. 2019. Digging deeper into egocentric gaze prediction. In 2019 IEEE Winter Conference on Applications of Computer Vision, WACV 2019. IEEE. pp. 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. 2016. Digital predistortion for mitigating spurious emissions in spectrally agile radios. *IEEE Communications Magazine*. 54(3):60-69. <https://doi.org/10.1109/MCOM.2016.7432149>
- Niemi H, Multisilta J. 2016. Digital storytelling promoting twenty-first century skills and student engagement. *Technology, Pedagogy and Education*. 25(4):451-468. <https://doi.org/10.1080/1475939X.2015.1074610>
- Coatanea E, Roca R. 2018. Dimensional analysis conceptual modeling supporting adaptable reasoning in simulation-based training. In 2018 13th System of Systems Engineering Conference, SoSE 2018. IEEE. pp. 245-252. <https://doi.org/10.1109/SYSOSE.2018.8428785>
- Wu D, Coatanea E, Wang GG. 2017. 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. <https://doi.org/10.1115/DETC201767601>
- Iosifidis A, Tefas A, Pitas I. 2015. Distance-based human action recognition using optimized class representations. *Neurocomputing*. 161:47-55. <https://doi.org/10.1016/j.neucom.2014.10.088>
- Pertilä P, Nikunen J. 2015. Distant speech separation using predicted time-frequency masks from spatial features. *Speech Communication*. 68:97-106. <https://doi.org/10.1016/j.specom.2015.01.006>
- Foley C, Balasubramaniam S, Botvich D, Donnelly W, Michaelis S, Schmutzler J, Stair T. 2011. Distributed pervasive services using group service communication supporting body area networks. In BODYNETS 2008 - 3rd International ICST Conference on Body Area Networks. ICST. <https://doi.org/10.4108/ICST.BODYNETS2008.2960>
- Tavella F, Giaretta A, Dooley-Cullinane TM, Conti M, Coffey L, Balasubramaniam S. 2019. DNA Molecular Storage System: Transferring Digitally Encoded Information through Bacterial Nanonetworks. *IEEE Transactions on Emerging Topics in Computing*. <https://doi.org/10.1109/TETC.2019.2932685>

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

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

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

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

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

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

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

Luhtala M, Heimonen T, Mäkelä V, Keskinen T, Turunen M, Saarinen S. 2014. 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. pp. 159-166. <https://doi.org/10.1145/2676467.2676522>

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

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

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

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

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

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

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

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

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

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

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

Franssila H, Okkonen J, Savolainen R. 2014. 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. pp. 19-22. <https://doi.org/10.1145/2676467.2676513>

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

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

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

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

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

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

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

Mikhaylov K, Petrov V, Gupta R, Lema MA, Galinina O, Andreev S, Koucheryavy Y, Valkama M, Pouttu A, Dohler M. 2019. Energy Efficiency of Multi-Radio Massive Machine-Type Communication (MR-MMTC): Applications, Challenges, and Solutions. *IEEE Communications Magazine*. 57(6):100-106. <https://doi.org/10.1109/MCOM.2019.1800394>

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

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

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

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

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

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

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

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

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

Naumenko VV, Solodovnik VF, Totsky AV, Zelensky AA, Astola JT. 2015. 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. <https://doi.org/10.1109/ICATT.2015.7136853>

Tosi D, Lenarduzzi V, Morasca S, Taibi D. 2017. 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. pp. 304-314.

Rosa FD, Paakki T, Nurmi J, Pelosi M. 2013. 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. <https://doi.org/10.1109/IPIN.2013.6817902>

Sariola R. 2018. 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. pp. 678-684. <https://doi.org/10.1109/ICE.2017.8279950>

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

Iosifidis A. 2015. Extreme learning machine based supervised subspace learning. *Neurocomputing*. 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. 2016. 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. (Proceedings of SPIE). <https://doi.org/10.1117/12.2209720>

Gizatdinova Y, Spakov Ů, Surakka V. 2012. 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*. pp. 81-87. <https://doi.org/10.1109/WACV.2012.6162997>

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

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

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

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

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

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

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

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

Lampinen S, Niemi J, Mattila J. 2020. Flow-bounded trajectory-scaling algorithm for hydraulic robotic manipulators. In *2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020*. IEEE. pp. 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. 2016. 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. pp. 59-67. <https://doi.org/10.1145/2994310.2994371>

- Pertuz S, Pulido-Herrera E, Kämäräinen J-K. 2018. Focus model for metric depth estimation in standard plenoptic cameras. *ISPRS Journal of Photogrammetry and Remote Sensing*. 144:38-47. <https://doi.org/10.1016/j.isprsjprs.2018.06.020>
- Pursiainen S, Sorrentino A, Campi C, Piana M. 2011. Forward simulation and inverse dipole localization with the lowest order Raviart - Thomas elements for electroencephalography. *Inverse Problems*. 27(4). <https://doi.org/10.1088/0266-5611/27/4/045003>
- Suominen O, Mörsky V, Ritala R, Vilkkö M. 2016. Framework for optimization and scheduling of a copper production plant . In *26th European Symposium on Computer Aided Process Engineering, 2016*. Elsevier Science B.V. pp. 1243-1248. (Computer Aided Chemical Engineering). <https://doi.org/10.1016/B978-0-444-63428-3.50212-5>
- Taibi D, Systä K. 2019. From monolithic systems to microservices: A decomposition framework based on process mining. Ferguson D, Munoz VM, Helfert M, Pahl C, editors. In *CLOSER 2019 - Proceedings of the 9th International Conference on Cloud Computing and Services Science*. SCITEPRESS. pp. 153-164. <https://doi.org/10.5220/0007755901530164>
- Korpi D, Tamminen J, Turunen M, Huusari T, Choi YS, Anttila L, Talwar S, Valkama M. 2016. Full-duplex mobile device: Pushing the limits. *IEEE Communications Magazine*. 54(9):80-87. <https://doi.org/10.1109/MCOM.2016.7565192>
- Ieremeiev O, Lukin V, Ponomarenko N, Egiazarian K. 2017. Full-reference metrics multidistortional analysis. In *Image Processing: Algorithms and Systems XV*. pp. 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, Dehmer M, Campbell F. 2014. Functional and genetic analysis of the colon cancer network. *BMC Bioinformatics*. 15(Suppl 6).
- Andreev S, Petrov V, Dohler M, Yanikomeroğlu H. 2019. Future of Ultra-Dense Networks Beyond 5G: Harnessing Heterogeneous Moving Cells. *IEEE Communications Magazine*. 57(6):66-92. <https://doi.org/10.1109/MCOM.2019.1800056>
- Salmela JM, Thanisch P, Sotamaa O, Niemi T. 2014. 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. pp. 192-199. <https://doi.org/10.1145/2676467.2676488>
- Goranko V, Kuusisto A, Rönholm R. 2020. Game-theoretic semantics for  $ATL^+$  with applications to model checking. *Information and Computation*. <https://doi.org/10.1016/j.ic.2020.104554>
- Hamari J, Hassan L, Dias A. 2018. Gamification, quantified-self or social networking? Matching users' goals with motivational technology. *User Modeling and User-Adapted Interaction*. 28(1):35–74. <https://doi.org/10.1007/s11257-018-9200-2>
- Rantala M, Soini J, Kilamo T. 2015. 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. pp. 229-234. <https://doi.org/10.1109/MIPRO.2015.7160270>
- Mohammed WM, Ramis Ferrer B, Iarovyi S, Negri E, Fumagalli L, Lobov A, Martinez Lastra JL. 2018. Generic platform for manufacturing execution system functions in knowledge-driven manufacturing systems. *International Journal of Computer Integrated Manufacturing*. 1-13. <https://doi.org/10.1080/0951192X.2017.1407874>
- Rahmatallah Y, Emmert-Streib F, Glazko G. 2012. Gene set analysis for self-contained tests: Complex null and specific alternative hypotheses. *Bioinformatics*. 28(23):3073-3080. <https://doi.org/10.1093/bioinformatics/bts579>



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

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

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

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

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

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

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

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

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

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

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

Sylari A, Ferrer BR, Lastra JLM. 2019. Hand gesture-based on-line programming of industrial robot manipulators. In *2019 IEEE 17th International Conference on Industrial Informatics, INDIN 2019*. IEEE. pp. 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. 2014. 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*. pp. 25-31. <https://doi.org/10.1109/ICOSST.2014.7029316>

Heikkinen JE, Gafurov S, Kopylov S, Minav T, Grebennikov S, Kurbanov A. 2019. Hardware-in-the-loop platform for testing autonomous vehicle control algorithms. Al-Jumeily D, Hind J, Mustafina J, Al-Hajj A, Hussain A, Magid E, Tawfik H, editors. In *Proceedings - 12th International Conference on the Developments in eSystems Engineering, DeSE 2019*. IEEE. pp. 906-911. (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. 2019. Hermitian normalized Laplacian matrix for directed networks. *Information Sciences*. 495:175-184. <https://doi.org/10.1016/j.ins.2019.04.049>
- Emmert-Streib F, Dehmer M. 2009. Hierarchical coordination of periodic genes in the cell cycle of *Saccharomyces cerevisiae*. *BMC Systems Biology*. 3. <https://doi.org/10.1186/1752-0509-3-76>
- Berlinicke CA, Ackermann CF, Chen SH, Schulze C, Shafranovich Y, Myneni S, Patel VL, Wang J, Zack DJ, Lindvall M, Bova GS. 2012. High-content screening data management for drug discovery in a small- to medium- size laboratory: Results of a collaborative pilot study focused on user expectations as indicators of effectiveness. *JALA: JOURNAL OF LABORATORY AUTOMATION*. 17(4):255-265. <https://doi.org/10.1177/2211068211431207>
- Ponomarenko-Timofeev A, Pyattaev A, Andreev S, Koucheryavy Y, Mueck M, Karls I. 2016. Highly dynamic spectrum management within licensed shared access regulatory framework. *IEEE Communications Magazine*. 54(3):100-109. <https://doi.org/10.1109/MCOM.2016.7432155>
- Mateos X, Loiko P, Lamrini S, Scholle K, Fuhrberg P, Suomalainen S, Härkönen A, Guina M, Vatnik S, Vedin I, Aguiló M, Díaz F, Wang Y, Griebner U, Petrov V. 2018. Highly-efficient Ho:KY(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. (Proceedings of SPIE). <https://doi.org/10.1117/12.2316822>
- Dehmer M, Emmert-Streib F, Hu B, Shi Y, Stefu M, Tripathi S. 2017. Highly unique network descriptors based on the roots of the permanent polynomial. *Information Sciences*. 408:176-181. <https://doi.org/10.1016/j.ins.2017.04.041>
- Robertsén F, Mattila K, Westerholm J. 2019. High-performance SIMD implementation of the lattice-Boltzmann method on the Xeon Phi processor. *Concurrency Computation*. 31(13). <https://doi.org/10.1002/cpe.5072>
- Viherialä J, Aho AT, Mäkelä J, Salmi J, Virtanen H, Leinonen T, Dumitrescu M, Guina M. 2016. High-power 1550 nm tapered DBR lasers fabricated using soft UV-nanoimprint lithography. In *High-Power Diode Laser Technology and Applications XIV*. SPIE. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2207423>
- Maina MR, Okamoto Y, Okada A, Närhi M, Kangastupa J, Vihinen J. 2018. High surface quality welding of aluminum using adjustable ring-mode fiber laser. *Journal of Materials Processing Technology*. 258:180-188. <https://doi.org/10.1016/j.jmatprotec.2018.03.030>
- Moirangthem M, Stumpel JE, Alp B, Teunissen P, Bastiaansen CWM, Schenning APHJ. 2016. Hot pen and laser writable photonic polymer films. In *Emerging Liquid Crystal Technologies XI*. SPIE. <https://doi.org/10.1117/12.2209065>
- Taibi D, Janes A, Lenarduzzi V. 2017. How developers perceive smells in source code: A replicated study. *Information and Software Technology*. 92:223-235. <https://doi.org/10.1016/j.infsof.2017.08.008>
- Heimbirger A, Isomottonen V, Nieminen P, Keto H. 2019. 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. (Proceedings - Frontiers in Education Conference). <https://doi.org/10.1109/FIE.2018.8658635>
- Helminen J, Ihanntola P, Karavirta V, Alaoutinen S. 2013. 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*. pp. 55-61. <https://doi.org/10.1109/LaTiCE.2013.26>
- Morschheuser B, Hassan L, Werder K, Hamari J. 2018. How to design gamification? A method for engineering gamified software. *Information and Software Technology*. 95:219-237. <https://doi.org/10.1016/j.infsof.2017.10.015>

- Voutilainen JP, Mattila AL, Systä K, Mikkonen T. 2016. HTML5-based mobile agents for Web-of-Things. *Informatica*. 40(1):43-51.
- Rubel O, Ponomarenko N, Lukin V, Astola J, Egiazarian K. 2015. 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. pp. 189-192. <https://doi.org/10.1109/INFOCOMMST.2015.7357309>
- Elfgén S, Rasilo P, Hameyer K. 2020. Hysteresis and eddy-current losses in electrical steel utilising edge degradation due to cutting effects. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*. <https://doi.org/10.1002/jnm.2781>
- Tripathy S, Kannala J, Rahtu E. 2020. ICface: Interpretable and controllable face reenactment using GANs. In 2020 IEEE Winter Conference on Applications of Computer Vision, WACV 2020. IEEE. pp. 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, Makropoulos C, Pappa D, Pitsilis V, Pirkkalainen H, Tannhauser AC, Trepule E, Vidalis A, Volungeviciene A. 2015. Idea-space: A use case of collaborative course development in higher education. In *Wissens-Gemeinschaften 2015*. TUDpress Verlag der Wissenschaften GmbH. pp. 149-156.
- Melekhov I, Ylioinas J, Kannala J, Rahtu E. 2018. Image-Based Localization Using Hourglass Networks. In 2017 IEEE International Conference on Computer Vision Workshops, ICCVW 2017. IEEE. pp. 870-877. <https://doi.org/10.1109/ICCVW.2017.107>
- Zhu S, Zeng B, Liu G, Zeng L, Fang L, Gabbouj M. 2015. Image interpolation based on non-local geometric similarities. In 2015 IEEE International Conference on Multimedia and Expo (ICME). IEEE COMPUTER SOCIETY PRESS. <https://doi.org/10.1109/ICME.2015.7177417>
- Zhu S, Zeng B, Zeng L, Gabbouj M. 2016. Image interpolation based on non-local geometric similarities and directional gradients. *IEEE Transactions on Multimedia*. 18(9):1707-1719. <https://doi.org/10.1109/TMM.2016.2593039>
- Kouhia R, Tüma M, Mäkinen J, Fedoroff A, Marjamäki H. 2012. Implementation of a direct procedure for critical point computations using preconditioned iterative solvers. *Computers & Structures*. 108-109:110-117. <https://doi.org/10.1016/j.compstruc.2012.02.009>
- Sterpone F, Nguyen PH, Kalimeri M, Derreumaux P. 2013. Importance of the ion-pair interactions in the OPEP coarse-grained force field: Parametrization and validation. *Journal of Chemical Theory and Computation*. 9(10):4574-4584. <https://doi.org/10.1021/ct4003493>
- Mäkinen S, Leppänen M, Kilamo T, Mattila A-L, Laukkanen E, Pagels M, Männistö T. 2016. Improving the delivery cycle: A multiple-case study of the toolchains in Finnish software intensive enterprises. *Information and Software Technology*. 80:1339-1351. <https://doi.org/10.1016/j.infsof.2016.09.001>
- Liuhanen S, Sallialmi M, Pettilä V, Oksala N, Tenhunen J. 2013. Indirect measurement of the vascular endothelial glycocalyx layer thickness in human submucosal capillaries with a plug-in for ImageJ. *Computer Methods and Programs in Biomedicine*. 110(1):38-47. <https://doi.org/10.1016/j.cmpb.2012.10.019>
- Korpela T, Kumpulainen P, Majanne Y, Häyriäinen A, Lautala P. 2017. Indirect NO<sub>x</sub> emission monitoring in natural gas fired boilers. *Control Engineering Practice*. 65:11-25. <https://doi.org/10.1016/j.conengprac.2017.04.013>
- Mäkinen P, Mononen T, Mattila J. 2018. 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. <https://doi.org/10.1109/MESA.2018.8449188>

- Altay G, Emmert-Streib F. 2010. Inferring the conservative causal core of gene regulatory networks. *BMC Systems Biology*. 4. <https://doi.org/10.1186/1752-0509-4-132>
- Gao H, Tao J, Dehmer M, Emmert-Streib F, Sun Q, Chen Z, Xie G, Zhou Q. 2020. In-flight wind field identification and prediction of parafoil systems. *Applied Sciences (Switzerland)*. 10(6). <https://doi.org/10.3390/app10061958>
- Kalb H, Pirkkalainen H, Pawlowski J, Schoop E. 2011. 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. Gesellschaft für Informatik (GI). pp. 23-32.
- Emmert-Streib F, Dehmer M. 2009. Information processing in the transcriptional regulatory network of yeast: Functional robustness. *BMC Systems Biology*. 3. <https://doi.org/10.1186/1752-0509-3-35>
- Le T, Lin Z, Vyas R, Lakafosis V, Yang L, Traille A, Tentzeris MM, Wong CP. 2013. Inkjet printing of radio frequency electronics: Design methodologies and application of novel nanotechnologies. *Journal of Electronic Packaging*. 135(1). <https://doi.org/10.1115/1.4023671>
- Karioja P, Alajoki T, Cherchi M, Ollila J, Harjanne M, Heinilehto N, Suomalainen S, Zia N, Tuorila H, Viheriälä J, Guina M, Buczynski R, Kasztelan R, Salo T, Virtanen S, Kluczynski P, Borgen L, Ratajczyk M, Kalinowski P. 2018. Integrated multi-wavelength mid-IR light source for gas sensing. In Next-Generation Spectroscopic Technologies XI. SPIE, IEEE. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2305712>
- Aalto T, Harjanne M, Offrein BJ, Caër C, Neumeyr C, Malacarne A, Guina M, Sheehan RN, Peters FH, Melanen P. 2016. Integrating III-V, Si, and polymer waveguides for optical interconnects: RAPIDO. In Optical Interconnects XVI. SPIE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2214786>
- Ratia M. 2018. Intellectual capital and bi-tools in private healthcare value creation. *Electronic Journal of Knowledge Management*. 16(2):143-154.
- Petrov V, Komarov M, Moltchanov D, Jornet JM, Koucheryavy Y. 2017. Interference and SINR in Millimeter Wave and Terahertz Communication Systems With Blocking and Directional Antennas. *IEEE Transactions on Wireless Communications*. 16(3):1791-1808. <https://doi.org/10.1109/TWC.2017.2654351>
- Jameel F, Chang Z, Huang J, Ristaniemi T. 2019. Internet of Autonomous Vehicles: Architecture, Features, and Socio-Technological Challenges. *IEEE Wireless Communications*. 26(4):21-29. <https://doi.org/10.1109/MWC.2019.1800522>
- Vihervaara J, Alapaholuoma T. 2017. 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. pp. 476-480. <https://doi.org/10.5220/0006353204760480>
- Andreev S, Dobre C, Misra P. 2020. Internet of Things and Sensor Networks. *IEEE Communications Magazine*. 58(2):34-34. <https://doi.org/10.1109/MCOM.2020.8999424>
- Mäkelä V, Korhonen H, Ojala J, Järvi A, Väänänen K, Raisamo R, Turunen M. 2016. Investigating mid-air gestures and handhelds in motion tracked environments. In PerDis 2016 - Proceedings of the 5th ACM International Symposium on Pervasive Displays. ACM. pp. 45-51. <https://doi.org/10.1145/2914920.2915015>
- Liimatainen K, Kananen L, Latonen L, Ruusuvoori P. 2019. Iterative unsupervised domain adaptation for generalized cell detection from brightfield z-stacks. *BMC Bioinformatics*. 20(1). <https://doi.org/10.1186/s12859-019-2605-z>
- Ivanov P, Raitoharju M, Piché R. 2018. Kalman-Type Filters and Smoothers for Pedestrian Dead Reckoning. In IPIN 2018 - 9th International Conference on Indoor Positioning and Indoor Navigation. IEEE. <https://doi.org/10.1109/IPIN.2018.8533753>

- Coatanéa E, Wu D, Tsarkov V, Gary Wang G, Modi S, Jafarian H. 2018. Knowledge-based artificial neural network (KB-ANN) in engineering: Associating functional architecture modeling, dimensional analysis and causal graphs to produce optimized topologies for KB-ANNs. In 38th Computers and Information in Engineering Conference. The American Society of Mechanical Engineers ASME. <https://doi.org/10.1115/DETC201885895>
- Tahir MA, Mahmoodpour M, Lobov A. 2019. KPI-ML based integration of industrial information systems. In 2019 IEEE 17th International Conference on Industrial Informatics, INDIN 2019. IEEE. pp. 93-99. (IEEE International Conference on Industrial Informatics (INDIN)). <https://doi.org/10.1109/INDIN41052.2019.8972139>
- Ozbay E, Bulu I, Caglayan H. 2006. Labyrinth based left-handed metamaterials and sub-wavelength focusing of electromagnetic waves. In Photonic Crystal Materials and Devices IV. (Proceedings of SPIE). <https://doi.org/10.1117/12.649548>
- Lenk K, Gleirscher M, Nestler S, Rödiger S, Petersen T, Loebel JM. 2020. Lage und Zukunft des wissenschaftlichen Nachwuchses: Eine Stellungnahme des Beirats des Wissenschaftlichen Nachwuchses (WiN) der Gesellschaft für Informatik (GI e.V.). *Informatik-Spektrum*. 43(2):94–102. <https://doi.org/10.1007/s00287-020-01250-x>
- Petrov V, Kokkonen J, Moltchanov D, Lehtomäki J, Koucheryavy Y, Juntti M. 2018. Last Meter Indoor Terahertz Wireless Access: Performance Insights and Implementation Roadmap. *IEEE Communications Magazine*. 56(6):158-165. <https://doi.org/10.1109/MCOM.2018.1600300>
- Smirnov S, Battisti F, Gotchev A. 2019. Layered approach for improving the quality of free-viewpoint depth-image-based rendering images. *Journal of Electronic Imaging*. 28(1). <https://doi.org/10.1117/1.JEI.28.1.013049>
- Tokola H, Niemi E, Väistö V. 2016. Lean manufacturing methods in simulation literature: Review and association analysis. In 2015 Winter Simulation Conference (WSC). pp. 2239-2248. <https://doi.org/10.1109/WSC.2015.7408336>
- Iosifidis A, Tefas A, Pitas I. 2013. Learning sparse representations for view-independent human action recognition based on fuzzy distances. *Neurocomputing*. 121:344-353. <https://doi.org/10.1016/j.neucom.2013.05.021>
- Vihonen J, Honkakorpi J, Tuominen J, Mattila J, Visa A. 2016. Linear accelerometers and rate gyros for rotary joint angle estimation of heavy-duty mobile manipulators using forward kinematic modeling. *IEEE - ASME Transactions on Mechatronics*. 21(3):1765-1774. <https://doi.org/10.1109/TMECH.2016.2544352>
- Lunden O-P, Paldanius T. 2019. Linearization of BJTs with logarithmic predistortion. In 2019 IEEE Radio and Wireless Symposium, RWS 2019. IEEE. (IEEE Radio and Wireless Symposium, RWS). <https://doi.org/10.1109/RWS.2019.8714520>
- Samiee K, Kiranyaz S, Gabbouj M, Saramäki T. 2015. Long-term epileptic EEG classification via 2D mapping and textural features. *Expert Systems with Applications*. 42(20):7175-7185. <https://doi.org/10.1016/j.eswa.2015.05.002>
- Frosio I, Egiazarian K, Pulli K. 2015. Machine learning for adaptive bilateral filtering. In *Image Processing: Algorithms and Systems XIII*. SPIE. (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. 2013. Magnetomechanical coupled FE simulations of rotating electrical machines. *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*. 32(5):1484-1499. <https://doi.org/10.1108/COMPEL-04-2013-0109>
- Rosati P, Fowley F, Pahl C, Taibi D, Lynn T. 2018. 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. pp. 364-375. <https://doi.org/10.5220/0006679303640375>

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

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

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

Coatanéa E, Yannou B, Honkala S, Lajunen A, Saarelainen T, Makkonen P. 2008. Measurement theory and dimensional analysis: Methodological impact on the comparison and evaluation process. 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, DETC/CIE2007. AMER SOC MECHANICAL ENGINEERS. pp. 173-182. <https://doi.org/10.1115/DETC2007-34364>

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

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

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

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

Kozhemiakina N, Lukin V, Ponomarenko N, Akulynichev A, Astola J, Egiazarian K. 2015. 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. pp. 153-156. <https://doi.org/10.1109/INFOCOMMST.2015.7357299>

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

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

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

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

- van Mellaert R, Mela K, Tiainen T, Heinisuo M, Lombaert G, Schevenels M. 2018. Mixed-integer linear programming approach for global discrete sizing optimization of frame structures. *Structural and Multidisciplinary Optimization*. 57(2):579–593. <https://doi.org/10.1007/s00158-017-1770-9>
- Jokela T, Väättäjä H, Koponen T. 2009. 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*. pp. 45-52. <https://doi.org/10.1145/1621841.1621851>
- Desogus C, Fadda M, Murrioni M, Araniti G, Orsino A. 2017. Mobility aware eMBMS management in urban 5G-oriented systems. In *2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017*. IEEE. <https://doi.org/10.1109/BMSB.2017.7986140>
- Ye C, Koponen J, Aallos V, Petit L, Kimmelma O, Kokki T. 2014. Mode coupling in few-mode large-mode-area fibers. In *Fiber Lasers XI: Technology, Systems, and Applications*. SPIE. <https://doi.org/10.1117/12.2038575>
- Korpi D, Turunen M, Anttila L, Valkama M. 2018. Modeling and cancellation of self-interference in full-duplex radio transceivers: Volterra series-based approach. In *2018 IEEE International Conference on Communications Workshops*. IEEE. pp. 1-6. <https://doi.org/10.1109/ICCW.2018.8403638>
- Kuva J, Voutilainen M, Mattila K. 2019. Modeling mass transfer in fracture flows with the time domain-random walk method. *COMPUTATIONAL GEOSCIENCES*. <https://doi.org/10.1007/s10596-019-09852-5>
- Godbole TR, Calvo-Fullana M, Pyattaev A, Mox D, Andreev S, Ribeiro A, Valkama M. 2019. Modeling mmWave Channels in High-Fidelity Simulations of Unmanned Aerial Systems. In *2019 IEEE 20th International Workshop on Signal Processing Advances in Wireless Communications, SPAWC 2019*. IEEE. (IEEE International Workshop on Signal Processing Advances in Wireless Communications). <https://doi.org/10.1109/SPAWC.2019.8815528>
- Moloudian G, Miri Rostami SR, Björninen T. 2020. Modified Wilkinson power divider with harmonics suppression and compact size for GSM applications. *International Journal of RF and Microwave Computer-Aided Engineering*. <https://doi.org/10.1002/mmce.22209>
- Martins DP, Leetanasaksakul K, Barros MT, Thamchaipenet A, Donnelly W, Balasubramaniam S. 2018. Molecular Communications Pulse-based Jamming Model for Bacterial Biofilm Suppression. *IEEE Transactions on Nanobioscience*. 17(4):533-542. <https://doi.org/10.1109/TNB.2018.2871276>
- Rajan DK, Verho J, Kreutzer J, Valimäki H, Ihalainen H, Lekkala J, Patrikoski M, Miettinen S. 2017. 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. pp. 470-474. <https://doi.org/10.1109/MeMeA.2017.7985922>
- Korpijärvi V-M, Kantola EL, Leinonen T, Guina M. 2015. Monolithic GaInNAsSb/GaAs VECSEL emitting at 1550 nm. In *SPIE conference proceedings*. SPIE. <https://doi.org/10.1117/12.2077517>
- Deng S, Tong J, Lin Y, Li H, Liu Y. 2019. Motivating scholars' responses in academic social networking sites: An empirical study on ResearchGate Q&A behavior. *INFORMATION PROCESSING AND MANAGEMENT*. 56(6). <https://doi.org/10.1016/j.ipm.2019.102082>
- Xing H, Renfors M. 2016. 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)*. <https://doi.org/10.1109/VTCspring.2016.7504354>
- Sapaev UK, Yusupov DB, Assanto G. 2011. Multicolor nonlinear pulse compression by consecutive optical parametric amplification in quasi-phase matched structures. In *ICONO 2010: International Conference on Coherent and Nonlinear Optics*. <https://doi.org/10.1117/12.882887>

- Iosifidis A, Tefas A, Pitas I. 2013. Multidimensional sequence classification based on fuzzy distances and discriminant analysis. *IEEE Transactions on Knowledge and Data Engineering*. 25(11):2564-2575. <https://doi.org/10.1109/TKDE.2012.223>
- Suzuki J, Balasubramaniam S, Prina-Mello A. 2012. Multiobjective TDMA optimization for neuron-based molecular communication. In *BODYNETS 2012 - 7th International Conference on Body Area Networks*. ICST. <https://doi.org/10.4108/icst.bodynets.2012.250037>
- Cho C, Yi X, Wang Y, Tentzeris MM. 2015. Multi-physics modeling and simulation of a frequency doubling antenna sensor for passive wireless strain sensing. In *Structural Health Monitoring 2015: System Reliability for Verification and Implementation - Proceedings of the 10th International Workshop on Structural Health Monitoring, IWSHM 2015*. DEStech Publications. pp. 864-872.
- Yi X, Wang Y, Tentzeris MM, Leon RT. 2013. 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*. DEStech Publications. pp. 1857-1864.
- Lauri M, Pajarinen J, Peters J, Frintrop S. 2020. Multi-sensor next-best-view planning as matroid-constrained submodular maximization. *IEEE Robotics and Automation Letters*. 5(4):5323-5330. <https://doi.org/10.1109/LRA.2020.3007445>
- Boashash B, Aïssa-El-Bey A, Al-Sa'd MF. 2018. Multisensor Time-Frequency Signal Processing MATLAB package: An analysis tool for multichannel non-stationary data. *SoftwareX*. 8:53-58. <https://doi.org/10.1016/j.softx.2017.12.002>
- Liang Y, Ma L, Wang J, Wang G. 2015. Multistep reactions of water with small Pd<sub>n</sub> clusters: A first principles study. *Journal of Theoretical and Computational Chemistry*. 14(3). <https://doi.org/10.1142/S0219633615500170>
- Hsu CJ, Pino JL, Bhattacharyya SS. 2011. Multithreaded simulation for synchronous dataflow graphs. *ACM Transactions on Design Automation of Electronic Systems*. 16(3). <https://doi.org/10.1145/1970353.1970358>
- Katkovnik V, Shevkunov I, Petrov NV, Eguiazarian K. 2018. Multiwavelength surface contouring from phase-coded diffraction patterns. In *Unconventional Optical Imaging 2018*. Strasbourg, France. SPIE. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2306127>
- Nummenmaa T, Kultima A, Tyni H, Alha K. 2014. 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. pp. 231-237. <https://doi.org/10.1145/2676467.2676505>
- Lenarduzzi V, Taibi D. 2016. 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. pp. 112-119. <https://doi.org/10.1109/SEAA.2016.56>
- Donohoe M, Jennings B, Jornet JM, Balasubramaniam S. 2017. Nanodevice Arrays for Peripheral Nerve Fascicle Activation Using Ultrasound Energy-harvesting. *IEEE Transactions on Nanotechnology*. 16(6):919-930. <https://doi.org/10.1109/TNANO.2017.2723658>
- Turunen E. 2020. Necessary and sufficient conditions for the existence of solution of generalized fuzzy relation equations  $A \Leftrightarrow X = B$ . *Information Sciences*. 536:351-357. <https://doi.org/10.1016/j.ins.2020.05.015>
- González-Díaz I, Birinci M, Díaz-De-María F, Delp EJ. 2017. Neighborhood Matching for Image Retrieval. *IEEE Transactions on Multimedia*. 19(3):544-558. <https://doi.org/10.1109/TMM.2016.2616298>



- Tripathi S, Dehmer M, Emmert-Streib F. 2014. NetBioV: An R package for visualizing large network data in biology and medicine. *Bioinformatics*. 30(19):2834-2836. <https://doi.org/10.1093/bioinformatics/btu384>
- Altay G, Kurt Z, Dehmer M, Emmert-Streib F. 2013. Netmes: Assessing gene network inference algorithms by network-based measures. *Evolutionary Bioinformatics*. 10. <https://doi.org/10.4137/EBO.S13481>
- Dehmer M, Borgert S, Emmert-Streib F. 2008. 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. pp. 77-84. <https://doi.org/10.1109/CANS.2008.17>
- Milagro J, Gil E, Lazaro J, Seppae VP, Malmberg LP, Pelkonen AS, Kotaniemi-Syrjanen A, Makela M, Viik J, Bailon R. 2018. Nocturnal Heart Rate Variability Spectrum Characterization in Preschool Children with Asthmatic Symptoms. *IEEE Journal of Biomedical and Health Informatics*. 22(5):1332-1340. <https://doi.org/10.1109/JBHI.2017.2775059>
- Achimova E, Abaskin V, Claus D, Pedrini G, Shevkunov I, Katkovnik V. 2018. Noise minimized high resolution digital holographic microscopy applied to surface topography. *Computer Optics*. 42(2):267-272. <https://doi.org/10.18287/2412-6179-2018-42-2-267-272>
- Emmert-Streib F, Dehmer M. 2007. Nonlinear time series prediction based on a power-law noise model. *International Journal of Modern Physics C*. 18(12):1839-1852. <https://doi.org/10.1142/S0129183107011765>
- Voronin VV, Frantc VA, Marchuk VI, Sherstobitov AI, Egiazarian K. 2015. No-reference visual quality assessment for image inpainting. In *Image Processing: Algorithms and Systems XIII*. SPIE. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2076507>
- Araniti G, Orsino A, Militano L, Putrino G, Andreev S, Koucheryavy Y, Iera A. 2017. Novel D2D-based relaying method for multicast services over 3GPP LTE-A systems. In *2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017*. IEEE. <https://doi.org/10.1109/BMSB.2017.7986137>
- Dikmese S, Ilyas Z, Sofotasios P, Renfors M, Valkama M. 2016. Novel frequency domain cyclic prefix autocorrelation based compressive spectrum sensing for cognitive radio. In *2016 IEEE 83rd Vehicular Technology Conference (VTC Spring)*. IEEE. <https://doi.org/10.1109/VTCSpring.2016.7504368>
- Nummenmaa T, Kultima A, Kankainen V, Savolainen S, Syvänen A, Alha K, Mäyrä F. 2015. 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. pp. 2-9. <https://doi.org/10.1145/2818187.2818296>
- Radevici I, Sadi T, Tripurari T, Tiira J, Ranta S, Tukiainen A, Guina M, Oksanen J. 2019. Observation of local electroluminescent cooling and identifying the remaining challenges. Seletskiy DV, Epstein RI, Sheik-Bahae M, editors. In *Photonic Heat Engines: Science and Applications*. SPIE, IEEE. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2505814>
- Barneto CB, Anttila L, Fleischer M, Valkama M. 2019. OFDM radar with LTE waveform: Processing and performance. In *2019 IEEE Radio and Wireless Symposium, RWS 2019*. IEEE COMPUTER SOCIETY PRESS. (IEEE Radio and Wireless Symposium, RWS). <https://doi.org/10.1109/RWS.2019.8714410>
- Salminen K, Rantala J, Isokoski P, Lehtonen M, Müller P, Karjalainen M, Väliäho J, Kontunen A, Nieminen V, Leivo J, Telembeci AA, Lekkala J, Kallio P, Surakka V. 2018. Olfactory display prototype for presenting and sensing authentic and synthetic odors. In *ICMI 2018 - Proceedings of the 2018 International Conference on Multimodal Interaction*. ACM. pp. 73-77. <https://doi.org/10.1145/3242969.3242999>
- Juhola M, Joutsijoki H, Varpa K, Saarikoski J, Rasku J, Iltanen K, Laurikkala J, Hyyro H, Avalos-Salguero J, Siirtola H, Penttinen K, Aalto-Setälä K. 2014. On computation of calcium cycling anomalies in cardiomyocytes data. In *2014 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2014*. Institute of Electrical and Electronics Engineers Inc. pp. 1444-1447. <https://doi.org/10.1109/EMBC.2014.6943872>

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

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

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

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

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

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

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

Baldassarre MT, Lenarduzzi V, Romano S, Saarimäki N. 2020. On the diffuseness of technical debt items and accuracy of remediation time when using SonarQube. *Information and Software Technology*. 128. <https://doi.org/10.1016/j.infsof.2020.106377>

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

Marshoud H, Sofotasios PC, Muhaidat S, Karagiannidis GK, Sharif BS. 2017. On the Performance of Visible Light Communication Systems with Non-Orthogonal Multiple Access. *IEEE Transactions on Wireless Communications*. 16(10):6350-6364. <https://doi.org/10.1109/TWC.2017.2722441>

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

Petrov V, Fodor G, Kokkonen J, Moltchanov D, Lehtomäki J, Andreev S, Koucheryavy Y, Juntti M, Valkama M. 2019. On Unified Vehicular Communications and Radar Sensing in Millimeter-Wave and Low Terahertz Bands. *IEEE Wireless Communications*. 26(3):146-153. <https://doi.org/10.1109/MWC.2019.1800328>

Stumpel JE, Broer DJ, Bastiaansen CWM, Schenning APHJ. 2014. Optical and topographic changes in water-responsive patterned cholesteric liquid crystalline polymer coatings. In *Proceedings of SPIE: Organic Photonics VI*. SPIE. (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. 2018. Optical Asymmetric Modulation for VLC Systems - Invited Paper. In 2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018. IEEE. pp. 1-5. <https://doi.org/10.1109/VTCspring.2018.8417541>

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

- Orsino A, Araniti G, Scopelliti P, Gudkova IA, Samouylov KE, Iera A. 2017. Optimal subgroup configuration for multicast services over 5G-satellite systems. In 2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017. IEEE. <https://doi.org/10.1109/BMSB.2017.7986134>
- Li X, You C, Andreev S, Gong Y, Huang K. 2018. Optimizing wirelessly powered crowd sensing: Trading energy for data. In 2018 IEEE International Conference on Communications Workshops. IEEE. pp. 1-6. <https://doi.org/10.1109/ICCW.2018.8403562>
- Laihonen H, Sysnummi P. 2015. Organisational knowledge flows and structural change the case of dispersed education organizations. *International Journal of Knowledge Management Studies*. 6(3):247-260. <https://doi.org/10.1504/IJKMS.2015.072711>
- de Matos Simoes R, Tripathi S, Emmert-Streib F. 2012. Organizational structure and the periphery of the gene regulatory network in B-cell lymphoma. *BMC Systems Biology*. 6. <https://doi.org/10.1186/1752-0509-6-38>
- Mäenpää H, Mäkinen S, Kilamo T, Mikkonen T, Männistö T, Ritala P. 2018. Organizing for openness: six models for developer involvement in hybrid OSS projects. *Journal of Internet Services and Applications*. 9(1). <https://doi.org/10.1186/s13174-018-0088-1>
- Hildén E, Väättäjä H, Roto V, Uusitalo K. 2016. Participatory development of user experience design guidelines for a B2B company. In *AcademicMindtrek '16 Proceedings of the 20th International Academic Mindtrek Conference*. ACM. pp. 49-58. <https://doi.org/10.1145/2994310.2994355>
- Taibi D, El Ioini N, Pahl C, Niederkofler JRS. 2020. Patterns for serverless functions (Function-as-a-Service): A multivocal literature review. Ferguson D, Helfert M, Pahl C, editors. In *CLOSER 2020 - Proceedings of the 10th International Conference on Cloud Computing and Services Science*. SCITEPRESS. pp. 181-192. <https://doi.org/10.5220/0009578501810192>
- Selim B, Muhaidat S, Sofotasios PC, Sharif BS, Stouraitis T, Karagiannidis GK, Al-Dhahir N. 2018. Performance Analysis of Single Carrier Coherent and Noncoherent Modulation under I/Q Imbalance. In 2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018. IEEE. pp. 1-5. <https://doi.org/10.1109/VTCSpring.2018.8417514>
- Begishev VO, Sopin ES, Molchanov DA, Samouylov AK, Gaidamaka YV, Samouylov KE. 2019. Performance evaluation of bandwidth reservation for mmWave 5G NR systems. *Informatsionno-Upravliaiushchie Sistemy*. (5):51-63. <https://doi.org/10.31799/1684-8853-2019-5-51-63>
- Sheikh MU, Biswas R, Lempiäinen J. 2018. 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. pp. 1-6. <https://doi.org/10.1109/VTCSpring.2018.8417593>
- Khan S, Saastamoinen J, Huusko J, Nurmi J. 2011. 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*. <https://doi.org/10.1109/NESEA.2011.6144931>
- Iosifidis A, Tefas A, Pitas I. 2013. Person identification from actions based on dynemes and discriminant learning. In 2013 International Workshop on Biometrics and Forensics, IWBF 2013. <https://doi.org/10.1109/IWBF.2013.6547320>
- Bulling A, Duchowski AT, Majaranta P. 2011. 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*. pp. 627-628. <https://doi.org/10.1145/2030112.2030248>
- Ponomarenko M, Katkovnik V, Egiazarian K. 2019. Phase masks optimization for broadband diffractive imaging. In *Image Processing: Algorithms and Systems XVII. (IS and T International Symposium on Electronic Imaging Science and Technology)*. <https://doi.org/10.2352/ISSN.2470-1173.2019.11.IPAS-258>

- Petrone G, Romanelli S, Spagnuolo G, Valkealahti S. 2018. Photovoltaic plant cloud shadowing and energy drops in Northern Europe. In 2018 IEEE International Conference on Industrial Technology (ICIT). IEEE. pp. 1055-1060. <https://doi.org/10.1109/ICIT.2018.8352324>
- Filippov V, Vorotynskii A, Noronen T, Gumenyuk R, Chamorovskii Y, Golant K. 2017. Picosecond MOPA with ytterbium doped tapered double clad fiber. In Fiber Lasers XIV: Technology and Systems. SPIE. (Proceedings of SPIE; 10083). <https://doi.org/10.1117/12.2252006>
- Solin A, Cortés S, Rahtu E, Kannala J. 2018. PIVO: Probabilistic inertial-visual odometry for occlusion-robust navigation. In Proceedings - 2018 IEEE Winter Conference on Applications of Computer Vision, WACV 2018. IEEE. pp. 616-625. <https://doi.org/10.1109/WACV.2018.00073>
- Saintsing CD, Yu K, Qi HJ, Tentzeris M. 2015. Planar monopole antennas on substrates fabricated through an additive manufacturing process. IEEE Radio and Wireless Symposium, RWS. 2015-June(June):159-161. <https://doi.org/10.1109/RWS.2015.7129744>
- Paunonen L, Laakkonen P. 2015. Polynomial Input-Output Stability for Linear Systems. IEEE Transactions on Automatic Control. 60(10):2797-2802. <https://doi.org/10.1109/TAC.2015.2398890>
- Soini J, Sillberg P, Rantanen P, Nummela J. 2016. Portable sensor system for reliable condition measurement. In 2016 39th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2016 - Proceedings. pp. 1190-1195. <https://doi.org/10.1109/MIPRO.2016.7522320>
- Zhu L, Wang T, Aksu E, Kämäräinen J-K. 2019. Portrait instance segmentation for mobile devices. In 2019 IEEE International Conference on Multimedia and Expo, ICME 2019. IEEE. pp. 1630-1635. <https://doi.org/10.1109/ICME.2019.00281>
- Motlagh HDK, Lotfi F, Taghirad HD, Gerami SB. 2019. 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. pp. 120-124. <https://doi.org/10.1109/ICRoM48714.2019.9071826>
- Talvitie J, Levanen T, Koivisto M, Ihalainen T, Pajukoski K, Valkama M. 2019. Positioning and Location-Aware Communications for Modern Railways with 5G New Radio. IEEE Communications Magazine. 57(9):24-30. <https://doi.org/10.1109/MCOM.001.1800954>
- Heikkinen J, Gumenyuk R, Rantamäki A, Lyytikäinen J, Leinonen T, Zolotovskii I, Melkumov M, Dianov EM, Okhotnikov OG. 2015. Power and wavelength scaling using semiconductor disk laser - bismuth fiber MOPA systems. Guina M, editor. In Vertical External Cavity Surface Emitting Lasers (VECSELs) V. BELLINGHAM: SPIE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2076805>
- Leppänen L, Leinonen J, Ihantola P, Hellas A. 2017. Predicting academic success based on learning material usage. In SIGITE 2017 - Proceedings of the 18th Annual Conference on Information Technology Education. ACM. pp. 13-18. <https://doi.org/10.1145/3125659.3125695>
- Suzumori K, Hyon SH, Semini C, Mattila J, Kanda T. 2018. Preface: Special Issue on 'New Hydraulic Components for Tough Robots'. Advanced Robotics. 32(9). <https://doi.org/10.1080/01691864.2018.1466427>
- Lin Z, Le T, Song X, Yao Y, Li Z, Moon KS, Tentzeris MM, Wong CP. 2013. Preparation of water-based carbon nanotube inks and application in the inkjet printing of carbon nanotube gas sensors. Journal of Electronic Packaging. 135(1). <https://doi.org/10.1115/1.4023758>
- Suominen O, Gotchev A. 2015. Preserving natural scene lighting by strobe-lit video. In Image Processing: Algorithms and Systems XIII. SPIE. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2185013>

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

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

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

Kulya MS, Sokolenko B, Gorodetsky A, Petrov NV. 2020. Propagation dynamics of ultrabroadband terahertz beams with orbital angular momentum for wireless data transfer. Dingel BB, Tsukamoto K, Mikroulis S, editors. In Broadband Access Communication Technologies XIV. SPIE. (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. 2014. 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. SPIE. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2054716>

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

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

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

De Wit JJM, Harmanny RIA, Molchanov P. 2014. 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. <https://doi.org/10.1109/RADAR.2014.7060268>

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

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

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

Teke B, Lanz M, Kämäräinen J-K, Hietanen A. 2018. 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. <https://doi.org/10.1109/MESA.2018.8449156>

Smirnov S, Gotchev A. 2015. 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. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2086895>

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

De Oliveira MT, Michalas A, Groot AED, Marquering HA, Olabarriga SD. 2019. 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. <https://doi.org/10.1109/HealthCom46333.2019.9009598>

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

Mäkinen P, Mustalahti P, Launis S, Mattila J. 2020. 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. pp. 1387-1393. (IEEE/ASME International Conference on Advanced Intelligent Mechatronics). <https://doi.org/10.1109/AIM43001.2020.9159022>

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

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

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

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

Kimionis J, Tentzeris MM. 2014. 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. pp. 109-114. <https://doi.org/10.1109/RFID-TA.2014.6934210>

Hecker K, Clemens W, Lupo D, Breitung S. 2015. 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. pp. 125-126.

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

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

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

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

- Humaloja J-P, Paunonen L. 2018. Robust Regulation of Infinite-Dimensional Port-Hamiltonian Systems. IEEE Transactions on Automatic Control. 63(5). <https://doi.org/10.1109/TAC.2017.2748055>
- Mahmoodpour M, Lobov A, Lanz M, Mäkelä P, Rundas N. 2018. 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. <https://doi.org/10.1109/MESA.2018.8449183>
- Neri M, Perttu L, Alanen M, Luscietti D, Pilotelli M. 2020. Safety at chimney-roof penetration: A numerical investigation. Pernigotto G, Patuzzi F, Prada A, Corrado V, Gasparella A, editors. In Building Simulation Applications, BSA 2019 - 4th IBPSA-Italy Conference. Free University of Bozen Bolzano. pp. 123-130. (Building Simulation Applications).
- Stupnikov A, Tripathi S, De Matos Simoes R, McArt D, Salto-Tellez M, Glazko G, Dehmer M, Emmert-Streib F. 2016. SamExploreR: Exploring reproducibility and robustness of RNA-seq results based on SAM files. Bioinformatics. 32(21):3345-3347. <https://doi.org/10.1093/bioinformatics/btw475>
- Martins L, Neeli-Venkata R, Oliveira SMD, Häkkinen A, Ribeiro AS, Fonseca JM. 2018. SCIP: a single-cell image processor toolbox. Bioinformatics. 34(24):4318-4320. <https://doi.org/10.1093/bioinformatics/bty505>
- Kolehmainen A. 2018. 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. pp. 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. 2015. 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. pp. 97-102. <https://doi.org/10.1109/UPINLBS.2014.7033715>
- Nupponen J, Taibi D. 2020. 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. pp. 49-50. <https://doi.org/10.1109/ICSA-C50368.2020.00016>
- Karavirta V, Ihanola P, Koskinen T. 2013. Service-oriented approach to improve interoperability of e-learning systems. In Proceedings - 2013 IEEE 13th International Conference on Advanced Learning Technologies, ICAALT 2013. pp. 341-345. <https://doi.org/10.1109/ICALT.2013.105>
- Tripathi S, Lloyd-Price J, Ribeiro A, Yli-Harja O, Dehmer M, Emmert-Streib F. 2017. sgenesR: An R package for simulating gene expression data from an underlying real gene network structure considering delay parameters. BMC Bioinformatics. 18(1). <https://doi.org/10.1186/s12859-017-1731-8>
- Saleh A, Ryczkowski P, Genty G, Toivonen J. 2019. Short-range supercontinuum based lidar for combustion diagnostics. Kimata M, Valenta CR, editors. In SPIE Future Sensing Technologies. SPIE, IEEE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2542720>
- Jin M, Zhou X, Zhang ZM, Tentzeris MM. 2012. Short-term power load forecasting using grey correlation context modeling . Expert Systems with Applications. 39(1):773-779. <https://doi.org/10.1016/j.eswa.2011.07.072>
- Pulkkinen U, Rantala TT, Rantala TS, Lantto V. 1999. Simulation of oxygen exchange of SnO<sub>2</sub> surface. Computer Physics Communications. 121:720.
- Frantc VA, Makov SV, Voronin VV, Marchuk VI, Semenishchev EA, Egiazarian KO, Agaian S. 2016. Simultaneous binary hash and features learning for image retrieval. In Mobile Multimedia/Image Processing, Security, and Applications 2016. SPIE. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2223605>

- Kocsis P, Shevkunov I, Katkovnik V, Egiazarian K. 2019. Single exposure lensless subpixel phase imaging. Kress BC, Schelkens P, editors. In *Digital Optical Technologies 2019*. SPIE, IEEE. (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, Papin C, Michalareas T, Gazdag L, Rakkolainen I. 2011. 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*. <https://doi.org/10.1109/ICME.2011.6012133>
- Galinina O, Mikhaylov K, Andreev S, Turlikov A, Koucheryavy Y. 2015. Smart home gateway system over Bluetooth low energy with wireless energy transfer capability. *Eurasip Journal on Wireless Communications and Networking*. 2015(1). <https://doi.org/10.1186/s13638-015-0393-3>
- Ainasoja AE, Pertuz S, Kämäräinen J-K. 2019. Smartphone teleoperation for self-balancing telepresence robots. Kerren A, Hurter C, Braz J, editors. In *VISIGRAPP 2019 - Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*. SCITEPRESS. pp. 561-568. <https://doi.org/10.5220/0007406405610568>
- Stenros J, Paavilainen J, Mäyrä F. 2011. Social interaction in games. *International Journal of Arts and Technology*. 4(3):342-358. <https://doi.org/10.1504/IJART.2011.041486>
- Moltchanov D, Kovalchukov R, Gerasimenko M, Andreev S, Koucheryavy Y, Gerla M. 2019. Socially inspired relaying and proactive mode selection in mmWave vehicular communications. *IEEE Internet of Things Journal*. 6(3):5172-5183. <https://doi.org/10.1109/JIOT.2019.2898420>
- Fu S, Li H, Liu Y, Pirkkalainen H, Salo M. 2020. Social media overload, exhaustion, and use discontinuance: Examining the effects of information overload, system feature overload, and social overload. *INFORMATION PROCESSING AND MANAGEMENT*. 57(6). <https://doi.org/10.1016/j.ipm.2020.102307>
- Paavilainen J, Hamari J, Stenros J, Kinnunen J. 2013. Social Network Games: Players' Perspectives. *SIMULATION AND GAMING*. 44(6):794-820. <https://doi.org/10.1177/1046878113514808>
- Gadoura I, Suntio T, Zenger K, Vallittu P. 1999. Soft computing-based controller design for a telecom rectifier. Martikainen J, editor. In *SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications*. Institute of Electrical and Electronics Engineers Inc. pp. 80-85. (SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications). <https://doi.org/10.1109/SMCIA.1999.782712>
- Mattila A-L, Ihantola P, Kilamo T, Luoto A, Nurminen M, Väättäjä H. 2016. Software visualization today - Systematic literature review. In *AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference*. ACM. pp. 262-271. <https://doi.org/10.1145/2994310.2994327>
- Yunas S, Valkama M, Niemelä J. 2015. Spectral and energy efficiency of ultra-dense networks under different deployment strategies. *IEEE Communications Magazine*. 53(1):90-100. <https://doi.org/10.1109/MCOM.2015.7010521>
- Koivumäki J, Mattila J. 2015. Stability-Guaranteed Force-Sensorless Contact Force/Motion Control of Heavy-Duty Hydraulic Manipulators. *IEEE Transactions on Robotics*. 31(4):918-935. <https://doi.org/10.1109/TRO.2015.2441492>
- Kammachi-Sreedhar K, Aminlou A, Hannuksela MM, Gabbouj M. 2017. Standard-compliant multiview video coding and streaming for virtual reality applications. In *2016 IEEE International Symposium on Multimedia (ISM)*. IEEE. pp. 295-300. <https://doi.org/10.1109/ISM.2016.0065>



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

Jumisko-Pyykkö S, Pesonen E, Väättäjä H. 2016. 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. pp. 192-197. <https://doi.org/10.1145/2994310.2994370>

Naumenko A, Krivenko S, Ponomarenko N, Zelensky A, Lukin V. 2015. 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. pp. 230-233. <https://doi.org/10.1109/INFOCOMMST.2015.7357321>

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

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

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

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

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

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

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

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

Michalas A, Komninos N. 2014. 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. <https://doi.org/10.1109/ISCC.2014.6912480>

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

Yi X, Vyas R, Cho C, Fang CH, Cooper J, Wang Y, Leon RT, Tentzeris MM. 2012. 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*. <https://doi.org/10.1117/12.914833>

Yi X, Wu T, Lantz G, Wang Y, Leon RT, Tentzeris MM. 2011. 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*. <https://doi.org/10.1117/12.879868>

- Akpinar U, Sahin E, Suominen O, Gotchev A. 2019. Thin form-factor super multiview head-up display system. In Stereoscopic Displays and Applications XXX . ( 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, Koucheryavy Y. 2017. Time-Dependent Energy and Resource Management in Mobility-Aware D2D-Empowered 5G Systems. *IEEE Wireless Communications*. 24(4):14-22. <https://doi.org/10.1109/MWC.2017.1600393>
- Serra A, Fratello M, Del Giudice G, Saarimäki LA, Paci M, Federico A, Greco D. 2020. TinderMIX: Time-dose integrated modelling of toxicogenomics data. *GigaScience*. 9(5). <https://doi.org/10.1093/gigascience/giaa055>
- Emmert-Streib F, Dehmer M. 2008. 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. pp. 94-99. <https://doi.org/10.1109/CANS.2008.19>
- Chaudhary S, Berki E, Nykänen P, Zolotavkin Y, Helenius M, Kela J. 2017. Towards a conceptual framework for privacy protection in the use of interactive 360° video surveillance. In 2016 22nd International Conference on Virtual System & Multimedia (VSMM). IEEE. <https://doi.org/10.1109/VSMM.2016.7863179>
- Mokammel F, Coatanea E, Christophe F, Ba Khouya M, Medyna G. 2013. Towards an approach for evaluating the quality of requirements. In 33rd Computers and Information in Engineering Conference. American Society of Mechanical Engineers. <https://doi.org/10.1115/DETC2013-13708>
- Morasca S, Taibi D, Tosi D. 2009. 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. pp. 25-30. <https://doi.org/10.1109/FLOSS.2009.5071356>
- Seppälä J, Salmenperä M. 2015. Towards dependable automation. In *Cyber Security: Analytics, Technology and Automation: Part IV*. Springer International Publishing. pp. 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, Zhang Y. 2019. Towards detecting structural branching and cyclicity in graphs: A polynomial-based approach. *Information Sciences*. 471:19-28. <https://doi.org/10.1016/j.ins.2018.08.043>
- Paladi N, Michalas A, Dang HV. 2018. Towards secure cloud orchestration for multi-cloud deployments. In *CrossCloud 2018 - 5th Workshop on CrossCloud Infrastructures and Platforms, colocated with EuroSys 2018*. ACM. <https://doi.org/10.1145/3195870.3195874>
- Hästbacka D, Zoitl A. 2016. 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. pp. 879-884. <https://doi.org/10.1109/ICIT.2016.7474867>
- Lobov A, Haapala KR. 2019. Towards sustainable manufacturing by extending Manufacturing Execution System functions . In 2019 IEEE International Conference on Industrial Technology, ICIT 2019. IEEE. pp. 1329-1335. <https://doi.org/10.1109/ICIT.2019.8755102>
- Rantanen P, Sillberg P, Soini J. 2017. 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. pp. 985-990. <https://doi.org/10.23919/MIPRO.2017.7973567>

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

Ruohonen J, Hyrynsalmi S, Leppänen V. 2016. 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. <https://doi.org/10.1109/RCIS.2016.7549301>

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

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

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

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

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

Taylor J, Altamirano-Medina H, Shrubsole C, Das P, Biddulph P, Davies M, Mavrogianni A, Oikonomou E. 2014. Tuberculosis transmission: Modelled impact of air-tightness in dwellings in the UK. 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. 2016. Two models for hydraulic cylinders in flexible multibody simulations. In *Computational Methods for Solids and Fluids: Multiscale Analysis, Probability Aspects and Model Reduction*. Springer. pp. 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, Chernogorov F, Eteläaho P, Heikkilä M, Torsner J, Andreev S, Valkama M. 2020. UAV-Aided Interference Assessment for Private 5G NR Deployments: Challenges and Solutions. *IEEE Communications Magazine*. 58(8):89-95. <https://doi.org/10.1109/MCOM.001.2000042>

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

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

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

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

Babahajiani P, Fan L, Kämäräinen J-K, Gabbouj M. 2017. Urban 3D segmentation and modelling from street view images and LiDAR point clouds. *Machine Vision and Applications*. 28(7):679–694. <https://doi.org/10.1007/s00138-017-0845-3>