

Balasubramaniam, Sasitharan ; Jornet, Josep Miquel ; Pierobon, Massimiliano ; Koucheryavy, Yevgeni. / **Guest editorial special issue on the internet of nano things**. Julkaisussa: IEEE Internet of Things Journal. 2016 ; Vuosikerta 3, Nro 1. Sivut 1-3.

Lu, Xi ; Petrov, Vitaly ; Moltchanov, Dmitri ; Andreev, Sergey ; Mahmoodi, Toktam ; Dohler, Mischa. / **5G-U: Conceptualizing Integrated Utilization of Licensed and Unlicensed Spectrum for Future IoT**. Julkaisussa: IEEE Communications Magazine. 2019 ; Vuosikerta 57, Nro 7. Sivut 92-98.

Dehmer, Matthias ; Emmert-Streib, Frank ; Grabner, Martin. / **A computational approach to construct a multivariate complete graph invariant**. Julkaisussa: Information Sciences. 2014 ; Vuosikerta 260. Sivut 200-208.

Raunio, Jukka-Pekka ; Ritala, Risto. / **Active scanner control on paper machines**. Julkaisussa: Journal of Process Control. 2018 ; Vuosikerta 72. Sivut 74-90.

Koivumäki, Janne ; Mattila, Jouni. / **Adaptive and nonlinear control of discharge pressure for variable displacement axial piston pumps**. Julkaisussa: Journal of Dynamic Systems, Measurement and Control: Transactions of the ASME. 2017 ; Vuosikerta 139, Nro 10.

Kanellis, Georgios ; Oksanen, Antti ; Konttinen, Jukka. / **Adjoint-based optimization in the development of low-emission industrial boilers**. Julkaisussa: Engineering Optimization. 2020.

Pursiainen, S. ; Agsten, B. ; Wagner, S. ; Wolters, C. H. / **Advanced boundary electrode modeling for tES and parallel tES/EEG**. Julkaisussa: IEEE Transactions on Neural Systems and Rehabilitation Engineering. 2017 ; Vuosikerta 26, Nro 1. Sivut 37-44.

Emmert-Streib, Frank. / **A heterosynaptic learning rule for neural networks**. Julkaisussa: International Journal of Modern Physics C. 2006 ; Vuosikerta 17, Nro 10. Sivut 1501-1520.

Vorwerk, J. ; Engwer, C. ; Pursiainen, S. ; Wolters, C. H. / **A Mixed Finite Element Method to Solve the EEG Forward Problem**. Julkaisussa: IEEE Transactions on Medical Imaging. 2017 ; Vuosikerta 36, Nro 4. Sivut 930-941.

Yigitcanlar, Tan ; Lönnqvist, Antti ; Saloniemi, Henna. / **Analysis of a city-region from the knowledge perspective : Tampere, Finland**. Julkaisussa: VINE. 2014 ; Vuosikerta 44, Nro 3. Sivut 445-466.

Martin, Floran ; Singh, Deepak ; Belahcen, Anouar ; Rasilo, Paavo ; Haavisto, Ari ; Arkkio, Antero. / **Analytical model for magnetic anisotropy of non-oriented steel sheets**. Julkaisussa: COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 2015 ; Vuosikerta 34, Nro 5. Sivut 1475-1488.

Nanni, Loris ; Paci, Michelangelo ; Brahmam, Sheryl ; Ghidoni, Stefano. / **An ensemble of visual features for Gaussians of local descriptors and non-binary coding for texture descriptors**. Julkaisussa: Expert Systems with Applications. 2017 ; Vuosikerta 82. Sivut 27-39.

Karamanakos, Petros ; Pavlou, Konstantinos ; Manias, Stefanos. / **An enumeration-based model predictive control strategy for the cascaded H-bridge multilevel rectifier**. Julkaisussa: IEEE Transactions on Industrial Electronics. 2014 ; Vuosikerta 61, Nro 7. Sivut 3480-3489.

Yan, Song ; Wirta, Johan ; Kämäräinen, Joni-Kristian. / **Anthropometric clothing measurements from 3D body scans**. Julkaisussa: Machine Vision and Applications. 2020 ; Vuosikerta 31, Nro 1-2.

Mäki, Antti Juhana ; Verho, Jarmo ; Kreutzer, Joose ; Ryyänen, Tomi ; Rajan, Dhanesh ; Pekkanen-Mattila, Mari ; Ahola, Antti ; Hyttinen, Jari ; Aalto-Setälä, Katriina ; Lekkala, Jukka ; Kallio, Pasi. / **A Portable Microscale Cell Culture System with Indirect Temperature Control**. Julkaisussa: SLAS Technology. 2018 ; Vuosikerta 23, Nro 6. Sivut 566-579.

Humaloja, Jukka Pekka ; Kurula, Mikael ; Paunonen, Lassi. / **Approximate robust output regulation of boundary control systems**. Julkaisussa: IEEE Transactions on Automatic Control. 2019 ; Vuosikerta 64, Nro 6. Sivut 2210-2223.

Chen, Ke ; Zhang, Zhaoxiang. / **A Primal Neural Network for Online Equality-Constrained Quadratic Programming**. Julkaisussa: Cognitive Computation. 2018 ; Vuosikerta 10, Nro 2. Sivut 381-388.

Rauti, Sampsa ; Lahtiranta, Janne ; Parisod, Heidi ; Hyrynsalmi, Sami ; Salanterä, Sanna ; Aromaa, Minna Elisabeth ; Smed, Jouni ; Leppänen, Ville. / **A Proxy-Based Solution for Asynchronous Telemedical Systems**. Julkaisussa: International Journal of E-health and Medical Communication. 2017 ; Vuosikerta 8, Nro 3. Sivut 70-83.

Kovács, Péter Tamás ; Zare, Alireza ; Balogh, Tibor ; Bregovic, Robert ; Gotchev, Atanas. / **Architectures and codecs for real-time light field streaming**. Julkaisussa: Journal of Imaging Science and Technology. 2017 ; Vuosikerta 61, Nro 1.

Rodrigues, Paulo C. ; Monteiro, Andreia ; Lourenço, Vanda M. / **A robust AMMI model for the analysis of genotype-by-environment data**. Julkaisussa: Bioinformatics. 2015 ; Vuosikerta 32, Nro 1. Sivut 58-66.

Andreev, Sergey ; Hosek, Jiri ; Olsson, Thomas ; Johnsson, Kerstin ; Pyattaev, Alexander ; Ometov, Aleksandr ; Olshannikova, Ekaterina ; Gerasimenko, Mikhail ; Masek, Pavel ; Koucheryavy, Yevgeni ; Mikkonen, Tommi. / **A unifying perspective on proximity-based cellular-assisted mobile social networking**. Julkaisussa: IEEE Communications Magazine. 2016 ; Vuosikerta 54, Nro 4. Sivut 108-116.

Räsänen, Okko ; Seshadri, Shreyas ; Karadayi, Julien ; Riebling, Eric ; Bunce, John ; Cristia, Alejandrina ; Metze, Florian ; Casillas, Marisa ; Rosemberg, Celia ; Bergelson, Erika ; Soderstrom, Melanie. / **Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech**. Julkaisussa: Speech Communication. 2019 ; Vuosikerta 113. Sivut 63-80.

Heikkilä, Jussi ; Martinsuo, Miia ; Nenonen, Sanna. / **Backshoring of production in the context of a small and open Nordic economy**. Julkaisussa: Journal of Manufacturing Technology Management. 2018 ; Vuosikerta 29, Nro 4. Sivut 658-675.

Yu, Guoqiang ; Zhang, Bai ; Bova, G. Steven ; Xu, Jianfeng ; Shih, Le Ming ; Wang, Yue. / **BACOM : In silico detection of genomic deletion types and correction of normal cell contamination in copy number data**. Julkaisussa: Bioinformatics. 2011 ; Vuosikerta 27, Nro 11. Sivut 1473-1480.

Potapov, Ilya ; Järvenpää, Marko ; Åkerblom, Markku ; Raunonen, Pasi ; Kaasalainen, Mikko. / **Bayes Forest : A data-intensive generator of morphological tree clones**. Julkaisussa: GigaScience. 2017 ; Vuosikerta 6, Nro 10.

Siiskonen, Antti ; Priimägi, Arri. / **Benchmarking DFT methods with small basis sets for the calculation of halogen-bond strengths**. Julkaisussa: Journal of Molecular Modeling. 2017 ; Vuosikerta 23, Nro 2.

Lohan, Elena Simona ; Koivisto, Mike ; Galinina, Olga ; Andreev, Sergey ; Tölli, Antti ; Destino, Giuseppe ; Costa, Mário ; Leppänen, Kari ; Koucheryavy, Yevgeni ; Valkama, Mikko. / **Benefits of Positioning-Aided Communication Technology in High-Frequency Industrial IoT**. Julkaisussa: IEEE Communications Magazine. 2018 ; Vuosikerta 56, Nro 12. Sivut 142-148.

Carroll, Raymond ; Balasubramaniam, Sasitharan ; Suzuki, Junichi ; Lee, Chonho ; Donnelly, William ; Botvich, Dmitri. / **Bio-inspired service management framework : Green data-centres case study**. Julkaisussa: International Journal of Grid and Utility Computing. 2013 ; Vuosikerta 4, Nro 4. Sivut 278-292.

Balasubramaniam, Sasitharan ; Leibnitz, Kenji ; Lio, Pietro ; Botvich, Dmitri ; Murata, Masayuki. / **Biological principles for future Internet architecture design**. Julkaisussa: IEEE Communications Magazine. 2011 ; Vuosikerta 49, Nro 7. Sivut 44-52.

Marcían, Petr ; Narra, Nathaniel ; Borák, Libor ; Chamrad, Jakub ; Wolff, Jan. / **Biomechanical performance of cranial implants with different thicknesses and material properties : A finite element study.** Julkaisussa: Computers in Biology and Medicine. 2019 ; Vuosikerta 109. Sivut 43-52.

Atakan, Baris ; Akan, Ozgur B. ; Balasubramaniam, Sasitharan. / **Body area nanonetworks with molecular communications in nanomedicine.** Julkaisussa: IEEE Communications Magazine. 2012 ; Vuosikerta 50, Nro 1. Sivut 28-34.

Petrov, Vitaly ; Andreev, Sergey ; Gerla, Mario ; Koucheryavy, Yevgeni. / **Breaking the limits in urban video monitoring : Massive crowd sourced surveillance over vehicles.** Julkaisussa: IEEE Wireless Communications. 2018 ; Vuosikerta 25, Nro 5. Sivut 104-112.

Pakkanen, Jarkko ; Juuti, Tero ; Lehtonen, Timo. / **Brownfield Process : A method for modular product family development aiming for product configuration.** Julkaisussa: DESIGN STUDIES. 2016 ; Vuosikerta 45B. Sivut 210-241.

Hyrnsalmi, Sami ; Seppänen, Marko ; Aarikka-Stenroos, Leena ; Suominen, Arho ; Järveläinen, Jonna ; Harkke, Ville. / **Busting myths of electronic word of mouth : The relationship between customer ratings and the sales of mobile applications.** Julkaisussa: Journal of Theoretical and Applied Electronic Commerce Research. 2015 ; Vuosikerta 10, Nro 2. Sivut 1-18.

Orsino, Antonino ; Kovalchukov, Roman ; Samuylov, Andrey ; Moltchanov, Dmitri ; Andreev, Sergey ; Koucheryavy, Yevgeni ; Valkama, Mikko. / **Caching-Aided Collaborative D2D Operation for Predictive Data Dissemination in Industrial IoT.** Julkaisussa: IEEE Wireless Communications. 2018 ; Vuosikerta 25, Nro 3. Sivut 50-57.

Sievi-Korte, Outi ; Beecham, Sarah ; Richardson, Ita. / **Challenges and recommended practices for software architecting in global software development.** Julkaisussa: Information and Software Technology. 2019 ; Vuosikerta 106. Sivut 234-253.

Soltani, A. ; Lahti, J. ; Järvelä, K. ; Laurikka, J. ; Kuokkala, V. T. ; Hokka, M. / **Characterization of the anisotropic deformation of the right ventricle during open heart surgery.** Julkaisussa: COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING. 2019.

Häkkinen, Antti ; Ribeiro, Andre S. / **Characterizing rate limiting steps in transcription from RNA production times in live cells.** Julkaisussa: Bioinformatics. 2016 ; Vuosikerta 32, Nro 9. Sivut 1346-1352.

Samuylov, Andrey ; Moltchanov, Dmitri ; Kovalchukov, Roman ; Pirmagomedov, Rustam ; Gaidamaka, Yuliya ; Andreev, Sergey ; Koucheryavy, Yevgeni ; Samouylov, Konstantin. / **Characterizing Resource Allocation Trade-Offs in 5G NR Serving Multicast and Unicast Traffic.** Julkaisussa: IEEE Transactions on Wireless Communications. 2020 ; Vuosikerta 19, Nro 5. Sivut 3421-3434.

Nogueira, Idelfonso B.R. ; Faria, Rui P.V. ; Requião, Reiner ; Koivisto, Hannu ; Martins, Márcio A.F. ; Rodrigues, Alírio E. ; Loureiro, José M. ; Ribeiro, Ana M. / **Chromatographic studies of n-Propyl Propionate : Adsorption equilibrium, modelling and uncertainties determination.** Julkaisussa: Computers and Chemical Engineering. 2018 ; Vuosikerta 119. Sivut 371-382.

Iosifidis, Alexandros ; Tefas, Anastasios ; Pitas, Ioannis. / **Class-Specific Reference Discriminant Analysis With Application in Human Behavior Analysis.** Julkaisussa: IEEE Transactions on Human-Machine Systems. 2014 ; Vuosikerta 45, Nro 3. Sivut 315-326.

Waris, Muhammad Adeel ; Iosifidis, Alexandros ; Gabbouj, Moncef. / **CNN-based edge filtering for object proposals.** Julkaisussa: Neurocomputing. 2017 ; Vuosikerta 266. Sivut 631-640.

Dander, Andreas ; Mueller, Laurin A J ; Gallasch, Ralf ; Pabinger, Stephan ; Emmert-Streib, Frank ; Graber, Armin ; Dehmer, Matthias. / **[COMMODE] a large-scale database of molecular descriptors using compounds from PubChem.** Julkaisussa: Source Code for Biology and Medicine. 2013 ; Vuosikerta 8.

Pyattaev, Alexander ; Johnsson, Kerstin ; Andreev, Sergey ; Koucheryavy, Yevgeni. / **Communication challenges in high-density deployments of wearable wireless devices**. Julkaisussa: IEEE Wireless Communications. 2015 ; Vuosikerta 22, Nro 1. Sivut 12-18.

Kartasalo, Kimmo ; Latonen, Leena ; Vihinen, Jorma ; Visakorpi, Tapio ; Nykter, Matti ; Ruusuvuori, Pekka. / **Comparative analysis of tissue reconstruction algorithms for 3D histology**. Julkaisussa: Bioinformatics. 2018 ; Vuosikerta 34, Nro 17. Sivut 3013-3021.

Rahmatallah, Yasir ; Emmert-Streib, Frank ; Glazko, Galina. / **Comparative evaluation of gene set analysis approaches for RNA-Seq data**. Julkaisussa: BMC Bioinformatics. 2014 ; Vuosikerta 15, Nro 1.

Raisamo, Jukka ; Raisamo, Roope ; Surakka, V. / **Comparison of Saltation, Amplitude Modulation, and a Hybrid Method of Vibrotactile Stimulation**. Julkaisussa: IEEE Transactions on Haptics. 2013 ; Vuosikerta 6, Nro 4. Sivut 517-521.

Tiihonen, Juha ; Kylänpää, Ilkka ; Rantala, Tapio T. / **Computation of Dynamic Polarizabilities and van der Waals Coefficients from Path-Integral Monte Carlo**. Julkaisussa: Journal of Chemical Theory and Computation. 2018 ; Vuosikerta 14. Sivut 5750-5763.

Malik, Aqdas ; Dhir, Amandeep ; Kaur, Puneet ; Johri, Aditya. / **Correlates of social media fatigue and academic performance decrement : A large cross-sectional study**. Julkaisussa: INFORMATION TECHNOLOGY AND PEOPLE. 2020.

Mäkinen, J. / **Critical study of Newmark-scheme on manifold of finite rotations**. Julkaisussa: Computer Methods in Applied Mechanics and Engineering. 2001 ; Vuosikerta 191, Nro 8-10. Sivut 817-828.

Woldemariam, Endashaw Tesfaye ; Coatanéa, Eric ; Wang, G. Gary ; Lemu, Hirpa G. ; Wu, Di. / **Customized dimensional analysis conceptual modelling framework for design optimization—a case study on the cross-flow micro turbine model**. Julkaisussa: Engineering Optimization. 2019 ; Vuosikerta 51, Nro 7. Sivut 1168-1184.

Nanni, Loris ; Maguolo, Gianluca ; Paci, Michelangelo. / **Data augmentation approaches for improving animal audio classification**. Julkaisussa: Ecological Informatics. 2020 ; Vuosikerta 57.

Pirkkalainen, Henri ; Salo, Markus ; Tarafdar, Monideepa ; Makkonen, Markus. / **Deliberate or Instinctive? Proactive and Reactive Coping for Technostress**. Julkaisussa: Journal of Management Information Systems. 2019 ; Vuosikerta 36, Nro 4. Sivut 1179-1212.

Andreev, Sergey ; Petrov, Vitaly ; Huang, Kaibin ; Lema, Maria A. ; Dohler, Mischa. / **Dense Moving Fog for Intelligent IoT : Key Challenges and Opportunities**. Julkaisussa: IEEE Communications Magazine. 2019 ; Vuosikerta 57, Nro 5. Sivut 34-41.

Wang, Jianguang ; Ma, Li ; Liang, Yanhua ; Gao, Meiling ; Wang, Guanghou. / **Density functional theory study of transition metals doped B₈₀ fullerene**. Julkaisussa: Journal of Theoretical and Computational Chemistry. 2014 ; Vuosikerta 13, Nro 6.

Shen, Chung Ching ; Wu, Shenpei ; Sane, Nimish ; Wu, Hsiang Huang ; Plishker, William ; Bhattacharyya, Shuvra S. / **Design and synthesis for multimedia systems using the targeted dataflow interchange format**. Julkaisussa: IEEE Transactions on Multimedia. 2012 ; Vuosikerta 14, Nro 3 PART1. Sivut 630-640.

Paunonen, Lassi. / **Designing controllers with reduced order internal models**. Julkaisussa: IEEE Transactions on Automatic Control. 2015 ; Vuosikerta 60, Nro 3. Sivut 775-780.

Strokina, Nataliya ; Matas, Jiri ; Eerola, Tuomas ; Lensu, Lasse ; Kälviäinen, Heikki. / **Detection of bubbles as concentric circular arrangements**. Julkaisussa: Machine Vision and Applications. 2016 ; Vuosikerta 27, Nro 3. Sivut 387-396.

Symonds, Phil ; Taylor, Jonathon ; Chalabi, Zaid ; Mavrogianni, Anna ; Davies, Michael ; Hamilton, Ian ; Vardoulakis, Sotiris ; Heaviside, Clare ; Macintyre, Helen. / **Development of an England-wide indoor overheating and air pollution model using artificial neural networks**. Julkaisussa: JOURNAL OF BUILDING PERFORMANCE SIMULATION. 2016 ; Vuosikerta 9, Nro 6. Sivut 606-619.

Jylhä, Henrietta ; Hamari, Juho. / **Development of measurement instrument for visual qualities of graphical user interface elements (VISQUAL) : a test in the context of mobile game icons**. Julkaisussa: User Modeling and User-Adapted Interaction. 2020.

Lwakatare, Lucy Ellen ; Kilamo, Terhi ; Karvonen, Teemu ; Sauvola, Tanja ; Heikkilä, Ville ; Itkonen, Juha ; Kuvaja, Pasi ; Mikkonen, Tommi ; Oivo, Markku ; Lassenius, Casper. / **DevOps in practice : A multiple case study of five companies**. Julkaisussa: Information and Software Technology. 2019 ; Vuosikerta 114. Sivut 217-230.

Abdelaziz, Mahmoud ; Fu, Zhu ; Anttila, Lauri ; Wyglinski, Alexander M. ; Valkama, Mikko. / **Digital predistortion for mitigating spurious emissions in spectrally agile radios**. Julkaisussa: IEEE Communications Magazine. 2016 ; Vuosikerta 54, Nro 3. Sivut 60-69.

Niemi, Hannele ; Multisilta, Jari. / **Digital storytelling promoting twenty-first century skills and student engagement**. Julkaisussa: Technology, Pedagogy and Education. 2016 ; Vuosikerta 25, Nro 4. Sivut 451-468.

Iosifidis, Alexandros ; Tefas, Anastasios ; Pitas, Ioannis. / **Distance-based human action recognition using optimized class representations**. Julkaisussa: Neurocomputing. 2015 ; Vuosikerta 161. Sivut 47-55.

Pertilä, Pasi ; Nikunen, Joonas. / **Distant speech separation using predicted time-frequency masks from spatial features**. Julkaisussa: Speech Communication. 2015 ; Vuosikerta 68. Sivut 97-106.

Tavella, Federico ; Giaretta, Alberto ; Dooley-Cullinane, Triona Marie ; Conti, Mauro ; Coffey, Lee ; Balasubramaniam, Sasitharan. / **DNA Molecular Storage System : Transferring Digitally Encoded Information through Bacterial Nanonetworks**. Julkaisussa: IEEE Transactions on Emerging Topics in Computing . 2019.

Danne, Reinis ; Poojari, Chetan ; Martinez-Seara, Hector ; Rissanen, Sami ; Lolicato, Fabio ; Róg, Tomasz ; Vattulainen, Ilpo. / **DoGlycans-Tools for Preparing Carbohydrate Structures for Atomistic Simulations of Glycoproteins, Glycolipids, and Carbohydrate Polymers for GROMACS**. Julkaisussa: Journal of Chemical Information and Modeling. 2017 ; Vuosikerta 57, Nro 10. Sivut 2401-2406.

Iosifidis, Alexandros ; Tefas, Anastasios ; Pitas, Ioannis. / **DropELM : Fast neural network regularization with Dropout and DropConnect**. Julkaisussa: Neurocomputing. 2015 ; Vuosikerta 162. Sivut 57-66.

Nogueira, Idelfonso B.R. ; Ribeiro, Ana M. ; Rodrigues, Alirio E. ; Loureiro, José M. / **Dynamic response to process disturbances—A comparison between TMB/SMB models in transient regime**. Julkaisussa: Computers and Chemical Engineering. 2017 ; Vuosikerta 99. Sivut 230-244.

Stolze, Peter ; Karamanakos, Petros ; Kennel, Ralph ; Manias, Stefanos ; Endisch, Christian. / **Effective variable switching point predictive current control for ac low-voltage drives**. Julkaisussa: International Journal of Control. 2015 ; Vuosikerta 88, Nro 7. Sivut 1366-1378.

Järvinen, Henri ; Honkanen, Mari ; Järvenpää, Martti ; Peura, Pasi. / **Effect of paint baking treatment on the properties of press hardened boron steels**. Julkaisussa: Journal of Materials Processing Technology. 2018 ; Vuosikerta 252. Sivut 90-104.

Siljander, Sanna ; Keinänen, Pasi ; Rätty, Anna ; Ramakrishnan, Karthik Ram ; Tuukkanen, Sampo ; Kunnari, Vesa ; Harlin, Ali ; Vuorinen, Jyrki ; Kanerva, Mikko. / **Effect of surfactant type and sonication energy on the electrical conductivity properties of nanocellulose-CNT nanocomposite films**. Julkaisussa: International Journal of Molecular Sciences. 2018 ; Vuosikerta 19, Nro 6.

Orsino, Antonino ; Ometov, Aleksandr ; Fodor, Gabor ; Moltchanov, Dmitri ; Militano, Leonardo ; Andreev, Sergey ; Yilmaz, Osman N C ; Tirronen, Tuomas ; Torsner, Johan ; Araniti, Giuseppe ; Iera, Antonio ; Dohler, Mischa ; Koucheryavy, Yevgeni. / **Effects of Heterogeneous Mobility on D2D-and Drone-Assisted Mission-Critical MTC in 5G**. Julkaisussa: IEEE Communications Magazine. 2017 ; Vuosikerta 55, Nro 2. Sivut 79-87.

Peltokangas, Mikko ; Suominen, Velipekka ; Vakhitov, Damir ; Korhonen, Janne ; Verho, Jarmo ; Mattila, Ville M. ; Romsis, Pekka ; Leikkala, Jukka ; Vehkaoja, Antti ; Oksala, Niku. / **Effects of percutaneous transluminal angioplasty of superficial femoral artery on photoplethysmographic pulse transit times**. Julkaisussa: IEEE Journal of Biomedical and Health Informatics. 2019 ; Vuosikerta 23, Nro 3. Sivut 1058-1065.

Makni, Nasr ; Puech, Philippe ; Colin, Pierre ; Azzouzi, Abdelrahmene ; Mordon, Serge ; Betrouni, Nacim. / **Elastic image registration for guiding focal laser ablation of prostate cancer : Preliminary results**. Julkaisussa: Computer Methods and Programs in Biomedicine. 2012 ; Vuosikerta 108, Nro 1. Sivut 213-223.

Ma, Li ; Atta-Fynn, Raymond ; Ray, Asok K. / **Elemental and mixed actinide dioxides : An ab initio study**. Julkaisussa: Journal of Theoretical and Computational Chemistry. 2012 ; Vuosikerta 11, Nro 3. Sivut 611-629.

Slezak, Christopher ; Semkin, Vasilii ; Andreev, Sergey ; Koucheryavy, Yevgeni ; Rangan, Sundeep. / **Empirical Effects of Dynamic Human-Body Blockage in 60 GHz Communications**. Julkaisussa: IEEE Communications Magazine. 2018 ; Vuosikerta 56, Nro 12. Sivut 60-66.

Wu, Di ; Coatanea, Eric ; Wang, G. Gary. / **Employing Knowledge on Causal Relationship to Assist Multidisciplinary Design Optimization**. Julkaisussa: Journal of Mechanical Design, Transactions of the ASME. 2019 ; Vuosikerta 141, Nro 4.

Wang, Wenbo ; Talvitie, Jukka ; Adamova, Eva Josth ; Fath, Thilo ; Korenciak, Lubos ; Valkama, Mikko ; Lohan, Elena Simona. / **Empowering Heterogeneous Communication Data Links in General Aviation through mmWave Signals**. Julkaisussa: IEEE Wireless Communications. 2019 ; Vuosikerta 26, Nro 6. Sivut 164-171.

Kuusisto, Antti ; Reiter, Fabian. / **Emptiness problems for distributed automata**. Julkaisussa: Information and Computation . 2019.

Dai, Cui-Qin ; Li, Fu-Jia ; Renfors, Markku. / **Energy cooperation for throughput optimization based on save-then-transmit protocol in wireless communication system**. Julkaisussa: Eurasip Journal on Wireless Communications and Networking. 2015 ; Vuosikerta 2015, Nro 1.

Cui, Qimei ; Zhang, Yuhao ; Ni, Wei ; Valkama, Mikko ; Jantti, Riku. / **Energy Efficiency Maximization of Full-Duplex Two-Way Relay with Non-Ideal Power Amplifiers and Non-Negligible Circuit Power**. Julkaisussa: IEEE Transactions on Wireless Communications. 2017 ; Vuosikerta 16, Nro 9. Sivut 6264-6278.

Mikhaylov, Konstantin ; Petrov, Vitaly ; Gupta, Rohit ; Lema, Maria A. ; Galinina, Olga ; Andreev, Sergey ; Koucheryavy, Yevgeni ; Valkama, Mikko ; Pouttu, Ari ; Dohler, Mischa. / **Energy Efficiency of Multi-Radio Massive Machine-Type Communication (MR-MMTC) : Applications, Challenges, and Solutions**. Julkaisussa: IEEE Communications Magazine. 2019 ; Vuosikerta 57, Nro 6. Sivut 100-106.

Koivumäki, Janne ; Zhu, Wen Hong ; Mattila, Jouni. / **Energy-efficient and high-precision control of hydraulic robots**. Julkaisussa: Control Engineering Practice. 2019 ; Vuosikerta 85. Sivut 176-193.

Danivska, Vitalija ; Heywood, Christopher ; Christersson, Matti ; Zhang, Eva ; Nenonen, Suvi. / **Environmental and social sustainability—emergence of well-being in the built environment, assessment tools and real estate market implications**. Julkaisussa: Intelligent Buildings International. 2019.

Shah, Sahas Bikram ; Rasilo, Paavo ; Belahcen, Anouar ; Arkkio, Antero. / **Estimation of additional losses due to random contacts at the edges of stator of an electrical machine.** Julkaisussa: COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 2015 ; Vuosikerta 34, Nro 5. Sivut 1501-1510.

Häkkinen, Antti ; Ribeiro, Andre S. / **Estimation of GFP-tagged RNA numbers from temporal fluorescence intensity data.** Julkaisussa: Bioinformatics. 2015 ; Vuosikerta 31, Nro 1. Sivut 69-75.

Evreinova, Tatiana V. ; Evreinov, Grigori ; Raisamo, Roope. / **Evaluation of effectiveness of the stickgrip device for detecting the topographic heights on digital maps.** Julkaisussa: INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND APPLICATIONS. 2012 ; Vuosikerta 9, Nro 3. Sivut 61-76.

Joshy, Arjun ; Dsouza, Royson ; Muthirulan, Veerakumar ; Sachidananda, Krishnamurthy H. / **Experimental analysis on the turning of aluminum alloy 7075 based on Taguchi method and artificial neural network.** Julkaisussa: Journal Europeen des Systemes Automatises. 2019 ; Vuosikerta 52, Nro 5. Sivut 429-437.

Andreev, Sergey ; Galinina, Olga ; Pyattaev, Alexander ; Hosek, Jiri ; Masek, Pavel ; Yanikomeroğlu, Halim ; Koucheryavy, Yevgeni. / **Exploring synergy between communications, caching, and computing in 5G-grade deployments.** Julkaisussa: IEEE Communications Magazine. 2016 ; Vuosikerta 54, Nro 8. Sivut 60-69.

Iosifidis, Alexandros. / **Extreme learning machine based supervised subspace learning.** Julkaisussa: Neurocomputing. 2015 ; Vuosikerta 167. Sivut 158-164.

Kellomäki, Timo. / **Fast Water Simulation Methods for Games.** Julkaisussa: Computers in Entertainment. 2017 ; Vuosikerta 16, Nro 1.

M. Aref, Mohammad ; Oftadeh, Reza ; Ghabcheloo, Reza ; Mattila, Jouni. / **Fault tolerant control architecture design for mobile manipulation in scientific facilities.** Julkaisussa: international Journal of Advanced Robotic Systems. 2015 ; Vuosikerta 12, Nro 4.

Pajarinen, Joni ; Peltonen, Jaakko ; Uusitalo, Mikko A. / **Fault tolerant machine learning for nanoscale cognitive radio.** Julkaisussa: Neurocomputing. 2011 ; Vuosikerta 74, Nro 5. Sivut 753-764.

Emmert-Streib, Frank ; Dehmer, Matthias ; Shi, Yongtang. / **Fifty years of graph matching, network alignment and network comparison.** Julkaisussa: Information Sciences. 2016 ; Vuosikerta 346-347. Sivut 180-197.

Ali, Ihtisham ; Durmush, Ahmed ; Suominen, Olli ; Yli-Hietanen, Jari ; Peltonen, Sari ; Collin, Jussi ; Gotchev, Atanas. / **FinnForest dataset : A forest landscape for visual SLAM.** Julkaisussa: ROBOTICS AND AUTONOMOUS SYSTEMS. 2020 ; Vuosikerta 132.

Ropo, Matti ; Schneider, Markus ; Baldauf, Carsten ; Blum, Volker. / **First-principles data set of 45,892 isolated and cation-coordinated conformers of 20 proteinogenic amino acids.** Julkaisussa: Scientific Data. 2016 ; Vuosikerta 3.

Pertuz, Said ; Pulido-Herrera, Edith ; Kämäräinen, Joni-Kristian. / **Focus model for metric depth estimation in standard plenoptic cameras.** Julkaisussa: ISPRS Journal of Photogrammetry and Remote Sensing. 2018 ; Vuosikerta 144. Sivut 38-47.

Pursiainen, S. ; Sorrentino, A. ; Campi, C. ; Piana, M. / **Forward simulation and inverse dipole localization with the lowest order Raviart - Thomas elements for electroencephalography.** Julkaisussa: Inverse Problems. 2011 ; Vuosikerta 27, Nro 4.

Korpi, Dani ; Tamminen, Joose ; Turunen, Matias ; Huusari, Timo ; Choi, Yang Seok ; Anttila, Lauri ; Talwar, Shilpa ; Valkama, Mikko. / **Full-duplex mobile device : Pushing the limits.** Julkaisussa: IEEE Communications Magazine. 2016 ; Vuosikerta 54, Nro 9. Sivut 80-87.

Emmert-Streib, Frank ; de Matos Simoes, Ricardo ; Glazko, Galina ; McDade, Simon ; Haibe-Kains, Benjamin ; Holzinger, Andreas ; Dehmer, Matthias ; Campbell, Frederick. / **Functional and genetic analysis of the colon cancer network**. Julkaisussa: BMC Bioinformatics. 2014 ; Vuosikerta 15, Nro Suppl 6.

Andreev, Sergey ; Petrov, Vitaly ; Dohler, Mischa ; Yanikomeroglu, Halim. / **Future of Ultra-Dense Networks Beyond 5G : Harnessing Heterogeneous Moving Cells**. Julkaisussa: IEEE Communications Magazine. 2019 ; Vuosikerta 57, Nro 6. Sivut 66-92.

Goranko, Valentin ; Kuusisto, Antti ; Rönholm, Raine. / **Game-theoretic semantics for ATL⁺ with applications to model checking**. Julkaisussa: Information and Computation. 2020.

Hamari, Juho ; Hassan, Lobna ; Dias, Antonio. / **Gamification, quantified-self or social networking? Matching users' goals with motivational technology**. Julkaisussa: User Modeling and User-Adapted Interaction. 2018 ; Vuosikerta 28, Nro 1. Sivut 35-74.

Mohammed, Wael M. ; Ramis Ferrer, Borja ; Iarovy, Sergii ; Negri, Elisa ; Fumagalli, Luca ; Lobov, Andrei ; Martinez Lastra, Jose L. / **Generic platform for manufacturing execution system functions in knowledge-driven manufacturing systems**. Julkaisussa: International Journal of Computer Integrated Manufacturing. 2018 ; Sivut 1-13.

Rahmatallah, Y. ; Emmert-Streib, F. ; Glazko, G. / **Gene set analysis for self-contained tests : Complex null and specific alternative hypotheses**. Julkaisussa: Bioinformatics. 2012 ; Vuosikerta 28, Nro 23. Sivut 3073-3080.

Rahmatallah, Yasir ; Emmert-Streib, Frank ; Glazko, Galina. / **Gene Sets Net Correlations Analysis (GSNCA) : A multivariate differential coexpression test for gene sets**. Julkaisussa: Bioinformatics. 2014 ; Vuosikerta 30, Nro 3. Sivut 360-368.

Iosifidis, Alexandros ; Tefas, Anastasios ; Pitas, Ioannis. / **Graph Embedded Extreme Learning Machine**. Julkaisussa: IEEE Transactions on Cybernetics. 2016 ; Vuosikerta 46, Nro 1. Sivut 311 - 324.

Dehmer, Matthias ; Chen, Zengqiang ; Emmert-Streib, Frank ; Shi, Yongtang ; Tripathi, Shailesh. / **Graph measures with high discrimination power revisited : A random polynomial approach**. Julkaisussa: Information Sciences. 2018 ; Vuosikerta 467. Sivut 407-414.

Rahmatallah, Yasir ; Zybailov, Boris ; Emmert-Streib, Frank ; Glazko, Galina. / **GSAR : Bioconductor package for Gene Set analysis in R**. Julkaisussa: BMC Bioinformatics. 2017 ; Vuosikerta 18, Nro 1.

Yu, Guihai ; Dehmer, Matthias ; Emmert-Streib, Frank ; Jodlbauer, Herbert. / **Hermitian normalized Laplacian matrix for directed networks**. Julkaisussa: Information Sciences. 2019 ; Vuosikerta 495. Sivut 175-184.

Emmert-Streib, Frank ; Dehmer, Matthias. / **Hierarchical coordination of periodic genes in the cell cycle of *Saccharomyces cerevisiae***. Julkaisussa: BMC Systems Biology. 2009 ; Vuosikerta 3.

Berlinicke, Cynthia A. ; Ackermann, Christopher F. ; Chen, Steve H. ; Schulze, Christoph ; Shafranovich, Yakov ; Myneni, Sahiti ; Patel, Vimla L. ; Wang, Jian ; Zack, Donald J. ; Lindvall, Mikael ; Bova, G. Steven. / **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**. Julkaisussa: JALA: JOURNAL OF LABORATORY AUTOMATION. 2012 ; Vuosikerta 17, Nro 4. Sivut 255-265.

Ponomarenko-Timofeev, Aleksei ; Pyattaev, Alexander ; Andreev, Sergey ; Koucheryavy, Yevgeni ; Mueck, Markus ; Karls, Ingolf. / **Highly dynamic spectrum management within licensed shared access regulatory framework**. Julkaisussa: IEEE Communications Magazine. 2016 ; Vuosikerta 54, Nro 3. Sivut 100-109.

Dehmer, Matthias ; Emmert-Streib, Frank ; Hu, Bo ; Shi, Yongtang ; Stefu, Monica ; Tripathi, Shailesh. / **Highly unique network descriptors based on the roots of the permanent polynomial**. Julkaisussa: Information Sciences. 2017 ; Vuosikerta 408. Sivut 176-181.

Robertsén, Fredrik ; Mattila, Keijo ; Westerholm, Jan. / **High-performance SIMD implementation of the lattice-Boltzmann method on the Xeon Phi processor**. Julkaisussa: Concurrency Computation. 2019 ; Vuosikerta 31, Nro 13.

Maina, Martin Ruthandi ; Okamoto, Yasuhiro ; Okada, Akira ; Närhi, Matti ; Kangastupa, Jarno ; Vihinen, Jorma. / **High surface quality welding of aluminum using adjustable ring-mode fiber laser**. Julkaisussa: Journal of Materials Processing Technology. 2018 ; Vuosikerta 258. Sivut 180-188.

Taibi, Davide ; Janes, Andrea ; Lenarduzzi, Valentina. / **How developers perceive smells in source code : A replicated study**. Julkaisussa: Information and Software Technology. 2017 ; Vuosikerta 92. Sivut 223-235.

Morschheuser, Benedikt ; Hassan, Lobna ; Werder, Karl ; Hamari, Juho. / **How to design gamification? A method for engineering gamified software**. Julkaisussa: Information and Software Technology. 2018 ; Vuosikerta 95. Sivut 219-237.

Voutilainen, Jari Pekka ; Mattila, Anna Liisa ; Systä, Kari ; Mikkonen, Tommi. / **HTML5-based mobile agents for Web-of-Things**. Julkaisussa: Informatica. 2016 ; Vuosikerta 40, Nro 1. Sivut 43-51.

Elfgen, Silas ; Rasilo, Paavo ; Hameyer, Kay. / **Hysteresis and eddy-current losses in electrical steel utilising edge degradation due to cutting effects**. Julkaisussa: International Journal of Numerical Modelling: Electronic Networks, Devices and Fields. 2020.

Zhu, Shuyuan ; Zeng, Bing ; Zeng, Liaoyuan ; Gabbouj, Moncef. / **Image interpolation based on non-local geometric similarities and directional gradients**. Julkaisussa: IEEE Transactions on Multimedia. 2016 ; Vuosikerta 18, Nro 9. Sivut 1707-1719.

Kouhia, Reijo ; Tůma, Miroslav ; Mäkinen, Jari ; Fedoroff, Alexis ; Marjamäki, Heikki. / **Implementation of a direct procedure for critical point computations using preconditioned iterative solvers**. Julkaisussa: Computers & Structures. 2012 ; Vuosikerta 108-109. Sivut 110-117.

Sterpone, Fabio ; Nguyen, Phuong H. ; Kalimeri, Maria ; Derreumaux, Philippe. / **Importance of the ion-pair interactions in the OPEP coarse-grained force field : Parametrization and validation**. Julkaisussa: Journal of Chemical Theory and Computation. 2013 ; Vuosikerta 9, Nro 10. Sivut 4574-4584.

Mäkinen, Simo ; Leppänen, Marko ; Kilamo, Terhi ; Mattila, Anna-Liisa ; Laukkanen, Eero ; Pagels, Max ; Männistö, Tomi. / **Improving the delivery cycle : A multiple-case study of the toolchains in Finnish software intensive enterprises**. Julkaisussa: Information and Software Technology. 2016 ; Vuosikerta 80. Sivut 1339-1351.

Liuhanen, Sasu ; Sallisalme, Marko ; Pettilä, Ville ; Oksala, Niku ; Tenhunen, Jyrki. / **Indirect measurement of the vascular endothelial glycocalyx layer thickness in human submucosal capillaries with a plug-in for ImageJ**. Julkaisussa: Computer Methods and Programs in Biomedicine. 2013 ; Vuosikerta 110, Nro 1. Sivut 38-47.

Korpela, Timo ; Kumpulainen, Pekka ; Majanne, Yrjö ; Häyrynen, Anna ; Lautala, Pentti. / **Indirect NO_x emission monitoring in natural gas fired boilers**. Julkaisussa: Control Engineering Practice. 2017 ; Vuosikerta 65. Sivut 11-25.

Altay, Gökmen ; Emmert-Streib, Frank. / **Inferring the conservative causal core of gene regulatory networks**. Julkaisussa: BMC Systems Biology. 2010 ; Vuosikerta 4.

Gao, Haitao ; Tao, Jin ; Dehmer, Matthias ; Emmert-Streib, Frank ; Sun, Qinglin ; Chen, Zengqiang ; Xie, Guangming ; Zhou, Quan. / **In-flight wind field identification and prediction of parafoil systems**. Julkaisussa: Applied Sciences (Switzerland). 2020 ; Vuosikerta 10, Nro 6.

Emmert-Streib, Frank ; Dehmer, Matthias. / **Information processing in the transcriptional regulatory network of yeast : Functional robustness.** Julkaisussa: BMC Systems Biology. 2009 ; Vuosikerta 3.

Le, Taoran ; Lin, Ziyin ; Vyas, Rushi ; Lakafosis, Vasileios ; Yang, Li ; Traille, Anya ; Tentzeris, Manos M. ; Wong, Ching Ping. / **Inkjet printing of radio frequency electronics : Design methodologies and application of novel nanotechnologies.** Julkaisussa: Journal of Electronic Packaging. 2013 ; Vuosikerta 135, Nro 1.

Ratia, Milla. / **Intellectual capital and bi-tools in private healthcare value creation.** Julkaisussa: Electronic Journal of Knowledge Management. 2018 ; Vuosikerta 16, Nro 2. Sivut 143-154.

Petrov, Vitaly ; Komarov, Mikhail ; Moltchanov, Dmitri ; Jornet, Josep Miquel ; Koucheryavy, Yevgeni. / **Interference and SINR in Millimeter Wave and Terahertz Communication Systems With Blocking and Directional Antennas.** Julkaisussa: IEEE Transactions on Wireless Communications. 2017 ; Vuosikerta 16, Nro 3. Sivut 1791-1808.

Jameel, Furqan ; Chang, Zheng ; Huang, Jun ; Ristaniemi, Tapani. / **Internet of Autonomous Vehicles : Architecture, Features, and Socio-Technological Challenges.** Julkaisussa: IEEE Wireless Communications. 2019 ; Vuosikerta 26, Nro 4. Sivut 21-29.

Liimatainen, Kaisa ; Kananen, Lauri ; Latonen, Leena ; Ruusuvoori, Pekka. / **Iterative unsupervised domain adaptation for generalized cell detection from brightfield z-stacks.** Julkaisussa: BMC Bioinformatics. 2019 ; Vuosikerta 20, Nro 1.

Lenk, Kerstin ; Gleirscher, Mario ; Nestler, Simon ; Rödiger, Stefan ; Petersen, Tom ; Loebel, Jens Martin. / **Lage und Zukunft des wissenschaftlichen Nachwuchses : Eine Stellungnahme des Beirats des Wissenschaftlichen Nachwuchses (WiN) der Gesellschaft für Informatik (GI e.V.).** Julkaisussa: Informatik-Spektrum. 2020 ; Vuosikerta 43, Nro 2. Sivut 94-102.

Petrov, Vitaly ; Kokkonen, Joonas ; Moltchanov, Dmitri ; Lehtomäki, Janne ; Koucheryavy, Yevgeni ; Juntti, Markku. / **Last Meter Indoor Terahertz Wireless Access : Performance Insights and Implementation Roadmap.** Julkaisussa: IEEE Communications Magazine. 2018 ; Vuosikerta 56, Nro 6. Sivut 158-165.

Smirnov, Sergey ; Battisti, Federica ; Gotchev, Atanas. / **Layered approach for improving the quality of free-viewpoint depth-image-based rendering images.** Julkaisussa: Journal of Electronic Imaging. 2019 ; Vuosikerta 28, Nro 1.

Iosifidis, Alexandros ; Tefas, Anastasios ; Pitas, Ioannis. / **Learning sparse representations for view-independent human action recognition based on fuzzy distances.** Julkaisussa: Neurocomputing. 2013 ; Vuosikerta 121. Sivut 344-353.

Vihonen, Juho ; Honkakorpi, Janne ; Tuominen, Janne ; Mattila, Jouni ; Visa, Ari. / **Linear accelerometers and rate gyros for rotary joint angle estimation of heavy-duty mobile manipulators using forward kinematic modeling.** Julkaisussa: IEEE - ASME Transactions on Mechatronics. 2016 ; Vuosikerta 21, Nro 3. Sivut 1765-1774.

Samiee, Kaveh ; Kiranyaz, Serkan ; Gabbouj, Moncef ; Saramäki, Tapio. / **Long-term epileptic EEG classification via 2D mapping and textural features.** Julkaisussa: Expert Systems with Applications. 2015 ; Vuosikerta 42, Nro 20. Sivut 7175-7185.

Belahcen, Anouar ; Fonteyn, Katarzyna ; Kouhia, Reijo ; Rasilo, Paavo ; Arkkio, Antero. / **Magnetomechanical coupled FE simulations of rotating electrical machines.** Julkaisussa: COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 2013 ; Vuosikerta 32, Nro 5. Sivut 1484-1499.

Kärkkäinen, Hannu ; Myllärniemi, Jussi ; Okkonen, Jussi ; Silventoinen, Anneli. / **Maturity assessment for implementing and using product lifecycle management in project-oriented engineering companies.** Julkaisussa: International Journal of Electronic Business. 2014 ; Vuosikerta 11, Nro 2. Sivut 176-198.

Bardinova, Yulia ; Zhidanov, Konstantin ; Bezzateev, Sergey ; Komarov, Mikhail ; Ometov, Aleksandr. / **Measurements of Mobile Blockchain Execution Impact on Smartphone Battery**. Julkaisussa: Data. 2020 ; Vuosikerta 5, Nro 3.

Pitkänen, Timo P. ; Raunonen, Pasi ; Kangas, Annika. / **Measuring stem diameters with TLS in boreal forests by complementary fitting procedure**. Julkaisussa: ISPRS Journal of Photogrammetry and Remote Sensing. 2019 ; Vuosikerta 147. Sivut 294-306.

Borges, Lucas R. ; Guerrero, Igor ; Bakic, Predrag R. ; Foi, Alessandro ; Maidment, Andrew D.A. ; Vieira, Marcelo A.C. / **Method for Simulating Dose Reduction in Digital Breast Tomosynthesis**. Julkaisussa: IEEE Transactions on Medical Imaging. 2017 ; Vuosikerta 36, Nro 11. Sivut 2331-2342.

Mesaros, Annamaria ; Heittola, Toni ; Virtanen, Tuomas. / **Metrics for polyphonic sound event detection**. Julkaisussa: Applied Sciences. 2016 ; Vuosikerta 6, Nro 6.

Hemmilä, Samu ; Ruponen, Marika ; Toropainen, Elisa ; Tengvall-Unadike, Unni ; Urtti, Arto ; Kallio, Pasi. / **Microflow-Based Device for In Vitro and Ex Vivo Drug Permeability Studies**. Julkaisussa: SLAS Technology. 2020.

van Mellaert, R. ; Mela, K. ; Tiainen, T. ; Heinisuo, M. ; Lombaert, G. ; Schevenels, M. / **Mixed-integer linear programming approach for global discrete sizing optimization of frame structures**. Julkaisussa: Structural and Multidisciplinary Optimization. 2018 ; Vuosikerta 57, Nro 2. Sivut 579-593.

Kuva, J. ; Voutilainen, M. ; Mattila, K. / **Modeling mass transfer in fracture flows with the time domain-random walk method**. Julkaisussa: COMPUTATIONAL GEOSCIENCES. 2019.

Moloudian, Gholamhosein ; Miri Rostami, Seyyed Reza ; Björninen, Toni. / **Modified Wilkinson power divider with harmonics suppression and compact size for GSM applications**. Julkaisussa: International Journal of RF and Microwave Computer-Aided Engineering. 2020.

Martins, Daniel P. ; Leetanasaksakul, Kantinan ; Barros, Michael Taynnan ; Thamchaipenet, Arinthip ; Donnelly, William ; Balasubramaniam, Sasitharan. / **Molecular Communications Pulse-based Jamming Model for Bacterial Biofilm Suppression**. Julkaisussa: IEEE Transactions on Nanobioscience. 2018 ; Vuosikerta 17, Nro 4. Sivut 533-542.

Deng, Shengli ; Tong, Jingjing ; Lin, Yanqing ; Li, Hongxiu ; Liu, Yong. / **Motivating scholars' responses in academic social networking sites : An empirical study on ResearchGate Q&A behavior**. Julkaisussa: INFORMATION PROCESSING AND MANAGEMENT. 2019 ; Vuosikerta 56, Nro 6.

Iosifidis, Alexandros ; Tefas, Anastasios ; Pitas, Ioannis. / **Multidimensional sequence classification based on fuzzy distances and discriminant analysis**. Julkaisussa: IEEE Transactions on Knowledge and Data Engineering. 2013 ; Vuosikerta 25, Nro 11. Sivut 2564-2575.

Lauri, Mikko ; Pajarinen, Joni ; Peters, Jan ; Frintrop, Simone. / **Multi-sensor next-best-view planning as matroid-constrained submodular maximization**. Julkaisussa: IEEE Robotics and Automation Letters. 2020 ; Vuosikerta 5, Nro 4. Sivut 5323-5330.

Boashash, Boualem ; Aïssa-El-Bey, Abdeldjalil ; Al-Sa'd, Mohammad F. / **Multisensor Time-Frequency Signal Processing MATLAB package : An analysis tool for multichannel non-stationary data**. Julkaisussa: SoftwareX. 2018 ; Vuosikerta 8. Sivut 53-58.

Liang, Yanhua ; Ma, Li ; Wang, Jianguang ; Wang, Guanghou. / **Multistep reactions of water with small Pd_n clusters : A first principles study**. Julkaisussa: Journal of Theoretical and Computational Chemistry. 2015 ; Vuosikerta 14, Nro 3.

Hsu, Chia Jui ; Pino, José Luis ; Bhattacharyya, Shuvra S. / **Multithreaded simulation for synchronous dataflow graphs**. Julkaisussa: ACM Transactions on Design Automation of Electronic Systems. 2011 ; Vuosikerta 16, Nro 3.

Donohoe, Michael ; Jennings, Brendan ; Jornet, Josep Miquel ; Balasubramaniam, Sasitharan. / **Nanodevice Arrays for Peripheral Nerve Fascicle Activation Using Ultrasound Energy-harvesting**. Julkaisussa: IEEE Transactions on Nanotechnology. 2017 ; Vuosikerta 16, Nro 6. Sivut 919-930.

Turunen, Esko. / **Necessary and sufficient conditions for the existence of solution of generalized fuzzy relation equations $A \Leftrightarrow X = B$** . Julkaisussa: Information Sciences. 2020 ; Vuosikerta 536. Sivut 351-357.

González-Díaz, Iván ; Birinci, Murat ; Díaz-De-María, Fernando ; Delp, Edward J. / **Neighborhood Matching for Image Retrieval**. Julkaisussa: IEEE Transactions on Multimedia. 2017 ; Vuosikerta 19, Nro 3. Sivut 544-558.

Tripathi, Shailesh ; Dehmer, Matthias ; Emmert-Streib, Frank. / **NetBioV : An R package for visualizing large network data in biology and medicine**. Julkaisussa: Bioinformatics. 2014 ; Vuosikerta 30, Nro 19. Sivut 2834-2836.

Altay, Gökmen ; Kurt, Zeyneb ; Dehmer, Matthias ; Emmert-Streib, Frank. / **Netmes : Assessing gene network inference algorithms by network-based measures**. Julkaisussa: Evolutionary Bioinformatics. 2013 ; Vuosikerta 10.

Milagro, Javier ; Gil, Eduardo ; Lazaro, Jesus ; Seppae, Ville Pekka ; Malmberg, Leo Pekka ; Pelkonen, Anna Susanna ; Kotaniemi-Syrjanen, Anne ; Makela, Mika ; Viik, Jari ; Bailon, Raquel. / **Nocturnal Heart Rate Variability Spectrum Characterization in Preschool Children with Asthmatic Symptoms**. Julkaisussa: IEEE Journal of Biomedical and Health Informatics. 2018 ; Vuosikerta 22, Nro 5. Sivut 1332-1340.

Achimova, Elena ; Abaskin, Vladimir ; Claus, Daniel ; Pedrini, Giancarlo ; Shevkunov, Igor ; Katkovnik, Vladimir. / **Noise minimized high resolution digital holographic microscopy applied to surface topography**. Julkaisussa: Computer Optics. 2018 ; Vuosikerta 42, Nro 2. Sivut 267-272.

Emmert-Streib, Frank ; Dehmer, Matthias. / **Nonlinear time series prediction based on a power-law noise model**. Julkaisussa: International Journal of Modern Physics C. 2007 ; Vuosikerta 18, Nro 12. Sivut 1839-1852.

Dehmer, Matthias ; Varmuza, Kurt ; Borgert, Stephan ; Emmert-Streib, Frank. / **On entropy-based molecular descriptors : Statistical analysis of real and synthetic chemical structures**. Julkaisussa: Journal of Chemical Information and Modeling. 2009 ; Vuosikerta 49, Nro 7. Sivut 1655-1663.

Galinina, Olga ; Tabassum, Hina ; Mikhaylov, Konstantin ; Andreev, Sergey ; Hossain, Ekram ; Koucheryavy, Yevgeni. / **On feasibility of 5G-grade dedicated RF charging technology for wireless-powered wearables**. Julkaisussa: IEEE Wireless Communications. 2016 ; Vuosikerta 23, Nro 2. Sivut 28-37.

De Biasi, Marzio ; Lauri, Juho. / **On the complexity of restoring corrupted colorings**. Julkaisussa: Journal of Combinatorial Optimization. 2019 ; Vuosikerta 37, Nro 4. Sivut 1150-1169.

Lavazza, Luigi ; Morasca, Sandro ; Taibi, Davide ; Tosi, Davide. / **On the definition of dynamic software measures**. Julkaisussa: International Symposium on Empirical Software Engineering and Measurement. 2012 ; Sivut 39-48.

Dehmer, Matthias ; Chen, Zengqiang ; Mowshowitz, Abbe ; Jodlbauer, Herbert ; Emmert-Streib, Frank ; Shi, Yongtang ; Tripathi, Shailesh ; Xia, Chengyi. / **On the degeneracy of the Randić entropy and related graph measures**. Julkaisussa: Information Sciences. 2018.

Baldassarre, Maria Teresa ; Lenarduzzi, Valentina ; Romano, Simone ; Saarimäki, Nytyi. / **On the diffuseness of technical debt items and accuracy of remediation time when using SonarQube**. Julkaisussa: Information and Software Technology. 2020 ; Vuosikerta 128.

Iosifidis, Alexandros ; Tefas, Anastasios ; Pitas, Ioannis. / **On the optimal class representation in linear discriminant analysis**. Julkaisussa: IEEE Transactions on Neural Networks and Learning Systems . 2013 ; Vuosikerta 24, Nro 9. Sivut 1491-1497.

Marshoud, Hanaa ; Sofotasios, Paschalis C. ; Muhaidat, Sami ; Karagiannidis, George K. ; Sharif, Bayan S. / **On the Performance of Visible Light Communication Systems with Non-Orthogonal Multiple Access**. Julkaisussa: IEEE Transactions on Wireless Communications. 2017 ; Vuosikerta 16, Nro 10. Sivut 6350-6364.

Ghorbani, Modjtaba ; Dehmer, Matthias ; Cao, Shujuan ; Feng, Lihua ; Tao, Jin ; Emmert-Streib, Frank. / **On the zeros of the partial Hosoya polynomial of graphs**. Julkaisussa: Information Sciences. 2020 ; Vuosikerta 524. Sivut 199-215.

Petrov, Vitaly ; Fodor, Gabor ; Kokkonen, Joonas ; Moltchanov, Dmitri ; Lehtomäki, Janne ; Andreev, Sergey ; Koucheryavy, Yevgeni ; Juntti, Markku ; Valkama, Mikko. / **On Unified Vehicular Communications and Radar Sensing in Millimeter-Wave and Low Terahertz Bands**. Julkaisussa: IEEE Wireless Communications. 2019 ; Vuosikerta 26, Nro 3. Sivut 146-153.

Laihonen, Harri ; Syysnummi, Pirjo. / **Organisational knowledge flows and structural change the case of dispersed education organizations**. Julkaisussa: International Journal of Knowledge Management Studies. 2015 ; Vuosikerta 6, Nro 3. Sivut 247-260.

de Matos Simoes, Ricardo ; Tripathi, Shailesh ; Emmert-Streib, Frank. / **Organizational structure and the periphery of the gene regulatory network in B-cell lymphoma**. Julkaisussa: BMC Systems Biology. 2012 ; Vuosikerta 6.

Mäenpää, Hanna ; Mäkinen, Simo ; Kilamo, Terhi ; Mikkonen, Tommi ; Männistö, Tomi ; Ritala, Paavo. / **Organizing for openness : six models for developer involvement in hybrid OSS projects**. Julkaisussa: Journal of Internet Services and Applications. 2018 ; Vuosikerta 9, Nro 1.

Begishev, V. O. ; Sopin, E. S. ; Molchanov, D. A. ; Samouylov, A. K. ; Gaidamaka, Yu V. ; Samouylov, K. E. / **Performance evaluation of bandwidth reservation for mmWave 5G NR systems**. Julkaisussa: Informatsionno-Upravliaiushchie Sistemy. 2019 ; Nro 5. Sivut 51-63.

Saintsing, Christy D. ; Yu, Kai ; Qi, H. Jerry ; Tentzeris, Manos. / **Planar monopole antennas on substrates fabricated through an additive manufacturing process**. Julkaisussa: IEEE Radio and Wireless Symposium, RWS. 2015 ; Vuosikerta 2015-June, Nro June. Sivut 159-161.

Paunonen, Lassi ; Laakkonen, Petteri. / **Polynomial Input-Output Stability for Linear Systems**. Julkaisussa: IEEE Transactions on Automatic Control. 2015 ; Vuosikerta 60, Nro 10. Sivut 2797-2802.

Talvitie, Jukka ; Levanen, Toni ; Koivisto, Mike ; Ihalainen, Tero ; Pajukoski, Kari ; Valkama, Mikko. / **Positioning and Location-Aware Communications for Modern Railways with 5G New Radio**. Julkaisussa: IEEE Communications Magazine . 2019 ; Vuosikerta 57, Nro 9. Sivut 24-30.

Lin, Ziyin ; Le, Taoran ; Song, Xiaojuan ; Yao, Yagang ; Li, Zhuo ; Moon, Kyoung Sik ; Tentzeris, Manos M. ; Wong, Ching Ping. / **Preparation of water-based carbon nanotube inks and application in the inkjet printing of carbon nanotube gas sensors**. Julkaisussa: Journal of Electronic Packaging. 2013 ; Vuosikerta 135, Nro 1.

Pajarinen, Joni ; Arenz, Oleg ; Peters, Jan ; Neumann, Gerhard. / **Probabilistic approach to physical object disentangling**. Julkaisussa: IEEE Robotics and Automation Letters. 2020 ; Vuosikerta 5, Nro 4. Sivut 5510-5517.

Martins, Daniel P. ; Barros, Michael Taynnan ; Balasubramaniam, Sasitharan. / **Quality and Capacity Analysis of Molecular Communications in Bacterial Synthetic Logic Circuits**. Julkaisussa: IEEE Transactions on Nanobioscience. 2019.

- Dehmer, Matthias ; Emmert-Streib, Frank ; Shi, Yongtang. / **Quantitative Graph Theory : A new branch of graph theory and network science**. Julkaisussa: Information Sciences. 2017 ; Vuosikerta 418-419. Sivut 575-580.
- Aytekin, Caglar ; Rezaeitabar, Yousef ; Dogru, Sedat ; Ulusoy, Ilkay. / **Railway fastener inspection by real-time machine vision**. Julkaisussa: IEEE Transactions on Systems, Man, and Cybernetics: Systems. 2015 ; Vuosikerta 45, Nro 7. Sivut 1101-1107.
- Heino, Mikko ; Korpi, Dani ; Huusari, Timo ; Antonio-Rodríguez, Emilio ; Venkatasubramanian, Sathya ; Riihonen, Taneli ; Anttila, Lauri ; Icheln, Clemens ; Haneda, Katsuyuki ; Wichman, Risto ; Valkama, Mikko. / **Recent advances in antenna design and interference cancellation algorithms for in-band full duplex relays**. Julkaisussa: IEEE Communications Magazine. 2015 ; Vuosikerta 53, Nro 5. Sivut 91-101.
- Laakkonen, Petteri ; Paunonen, Lassi. / **Reduced Order Internal Models in the Frequency Domain**. Julkaisussa: IEEE Transactions on Automatic Control. 2018 ; Vuosikerta 63, Nro 6. Sivut 1806-1812.
- Iosifidis, Alexandros ; Tefas, Anastasios ; Pitas, Ioannis. / **Regularized extreme learning machine for multi-view semi-supervised action recognition**. Julkaisussa: Neurocomputing. 2014 ; Vuosikerta 145. Sivut 250-262.
- Karppi, Tero ; Sotamaa, Olli. / **Rethinking Playing Research : DJ HERO and Methodological Observations in the Mix**. Julkaisussa: SIMULATION AND GAMING. 2012 ; Vuosikerta 43, Nro 3. Sivut 413-429.
- Altay, Gökmen ; Emmert-Streib, Frank. / **Revealing differences in gene network inference algorithms on the network level by ensemble methods**. Julkaisussa: Bioinformatics. 2010 ; Vuosikerta 26, Nro 14. Sivut 1738-1744.
- Korpela, Timo ; Suominen, Olli ; Majanne, Yrjö ; Laukkanen, Ville ; Lautala, Pentti. / **Robust data reconciliation of combustion variables in multi-fuel fired industrial boilers**. Julkaisussa: Control Engineering Practice. 2016 ; Vuosikerta 55. Sivut 101-115.
- Emmert-Streib, Frank ; Dehmer, Matthias. / **Robustness in scale-free networks : Comparing directed and undirected networks**. Julkaisussa: International Journal of Modern Physics C. 2008 ; Vuosikerta 19, Nro 5. Sivut 717-726.
- Paunonen, Lassi. / **Robust Output Regulation for Continuous-Time Periodic Systems**. Julkaisussa: IEEE Transactions on Automatic Control. 2017 ; Vuosikerta 62, Nro 9. Sivut 4363-4375.
- Humaloja, Jukka-Pekka ; Paunonen, Lassi. / **Robust Regulation of Infinite-Dimensional Port-Hamiltonian Systems**. Julkaisussa: IEEE Transactions on Automatic Control. 2018 ; Vuosikerta 63, Nro 5.
- Stupnikov, Alexey ; Tripathi, Shailesh ; De Matos Simoes, Ricardo ; McArt, Darragh ; Salto-Tellez, Manuel ; Glazko, Galina ; Dehmer, Matthias ; Emmert-Streib, Frank. / **SamExploreR : Exploring reproducibility and robustness of RNA-seq results based on SAM files**. Julkaisussa: Bioinformatics. 2016 ; Vuosikerta 32, Nro 21. Sivut 3345-3347.
- Martins, Leonardo ; Neeli-Venkata, Ramakanth ; Oliveira, Samuel M.D. ; Häkkinen, Antti ; Ribeiro, Andre S. ; Fonseca, José M. / **SCIP : a single-cell image processor toolbox**. Julkaisussa: Bioinformatics. 2018 ; Vuosikerta 34, Nro 24. Sivut 4318-4320.
- Tripathi, Shailesh ; Lloyd-Price, Jason ; Ribeiro, Andre ; Yli-Harja, Olli ; Dehmer, Matthias ; Emmert-Streib, Frank. / **sgnesR : An R package for simulating gene expression data from an underlying real gene network structure considering delay parameters**. Julkaisussa: BMC Bioinformatics. 2017 ; Vuosikerta 18, Nro 1.
- Jin, Min ; Zhou, Xiang ; Zhang, Zhi M. ; Tentzeris, Manos M. / **Short-term power load forecasting using grey correlation contest modeling**. Julkaisussa: Expert Systems with Applications. 2012 ; Vuosikerta 39, Nro 1. Sivut 773-779.

Pulkkinen, Ulla ; Rantala, Tapio T. ; Rantala, Tuomo S. ; Lantto, Vilho. / **Simulation of oxygen exchange of SnO₂ surface**. Julkaisussa: Computer Physics Communications. 1999 ; Vuosikerta 121. Sivut 720.

Galinina, Olga ; Mikhaylov, Konstantin ; Andreev, Sergey ; Turlikov, Andrey ; Koucheryavy, Yevgeni. / **Smart home gateway system over Bluetooth low energy with wireless energy transfer capability**. Julkaisussa: Eurasip Journal on Wireless Communications and Networking. 2015 ; Vuosikerta 2015, Nro 1.

Stenros, Jaakko ; Paavilainen, Janne ; Mäyrä, Frans. / **Social interaction in games**. Julkaisussa: International Journal of Arts and Technology. 2011 ; Vuosikerta 4, Nro 3. Sivut 342-358.

Moltchanov, Dmitri ; Kovalchukov, Roman ; Gerasimenko, Mikhail ; Andreev, Sergey ; Koucheryavy, Yevgeni ; Gerla, Mario. / **Socially inspired relaying and proactive mode selection in mmWave vehicular communications**. Julkaisussa: IEEE Internet of Things Journal. 2019 ; Vuosikerta 6, Nro 3. Sivut 5172-5183.

Fu, Shaoxiong ; Li, Hongxiu ; Liu, Yong ; Pirkkalainen, Henri ; Salo, Markus. / **Social media overload, exhaustion, and use discontinuance : Examining the effects of information overload, system feature overload, and social overload**. Julkaisussa: INFORMATION PROCESSING AND MANAGEMENT. 2020 ; Vuosikerta 57, Nro 6.

Paavilainen, Janne ; Hamari, Juho ; Stenros, Jaakko ; Kinnunen, Jani. / **Social Network Games : Players' Perspectives**. Julkaisussa: SIMULATION AND GAMING. 2013 ; Vuosikerta 44, Nro 6. Sivut 794-820.

Netzev, Metodi ; Angleraud, Alexandre ; Pieters, Roel. / **Soft robotic gripper with compliant cell stacks for industrial part handling**. Julkaisussa: IEEE Robotics and Automation Letters. 2020 ; Vuosikerta 5, Nro 4. Sivut 6821-6828.

Yunas, Syed ; Valkama, Mikko ; Niemelä, Jarno. / **Spectral and energy efficiency of ultra-dense networks under different deployment strategies**. Julkaisussa: IEEE Communications Magazine. 2015 ; Vuosikerta 53, Nro 1. Sivut 90-100.

Koivumäki, Janne ; Mattila, Jouni. / **Stability-Guaranteed Force-Sensorless Contact Force/Motion Control of Heavy-Duty Hydraulic Manipulators**. Julkaisussa: IEEE Transactions on Robotics. 2015 ; Vuosikerta 31, Nro 4. Sivut 918-935.

Zemliachenko, Alexander ; Lukin, Vladimir ; Ponomarenko, Nikolay ; Egiazarian, Karen ; Astola, Jaakko. / **Still image/video frame lossy compression providing a desired visual quality**. Julkaisussa: Multidimensional Systems and Signal Processing . 2016 ; Vuosikerta 27, Nro 3. Sivut 697-718.

Emmert-Streib, Frank. / **Stochastic Sznajd Model in open community**. Julkaisussa: International Journal of Modern Physics C. 2005 ; Vuosikerta 16, Nro 11. Sivut 1693-1699.

Mueller, Laurin A. J. ; Kugler, Karl G. ; Graber, Armin ; Emmert-Streib, Frank ; Dehmer, Matthias. / **Structural Measures for Network Biology Using QuACN**. Julkaisussa: BMC Bioinformatics. 2011 ; Vuosikerta 12, Nro 1.

Stenros, Jaakko ; Waern, Annika ; Montola, Markus. / **Studying the Elusive Experience in Pervasive Games**. Julkaisussa: SIMULATION AND GAMING. 2012 ; Vuosikerta 43, Nro 3. Sivut 339-355.

Tejero-de-Pablos, Antonio ; Nakashima, Yuta ; Sato, Tomokazu ; Yokoya, Naokazu ; Linna, Marko ; Rahtu, Esa. / **Summarization of User-Generated Sports Video by Using Deep Action Recognition Features**. Julkaisussa: IEEE Transactions on Multimedia. 2018 ; Vuosikerta 20, Nro 8. Sivut 2000-2011.

Oftadeh, Reza ; Aref, Mohammad M. ; Ghabcheloo, Reza ; Mattila, Jouni. / **System integration for real-time mobile manipulation**. Julkaisussa: international Journal of Advanced Robotic Systems. 2014 ; Vuosikerta 11, Nro 1.

Ometov, Aleksandr ; Daneshfar, Nader ; Hazmi, Ali ; Andreev, Sergey ; Del Carpio, Luis Felipe ; Amin, Parth ; Torsner, Johan ; Koucheryavy, Yevgeni ; Valkama, Mikko. / **System-level analysis of IEEE 802.11ah technology for unsaturated MTC traffic**. Julkaisussa: International Journal of Sensor Networks. 2018 ; Vuosikerta 26, Nro 4. Sivut 269-282.

Järvelin, Kalervo ; Vakkari, Pertti ; Arvola, Paavo ; Baskaya, Feza ; Järvelin, Anni ; Kekäläinen, Jaana ; Keskustalo, Heikki ; Kumpulainen, Sanna ; Saastamoinen, Miamaria ; Savolainen, Reijo ; Sormunen, Eero. / **Task-based information interaction evaluation : The viewpoint of program theory**. Julkaisussa: ACM Transactions on Information Systems. 2015 ; Vuosikerta 33, Nro 1.

Yunas, Syed Fahad ; Ansari, Waqas H. ; Valkama, Mikko. / **Technoeconomical Analysis of Macrocell and Femtocell Based HetNet under Different Deployment Constraints**. Julkaisussa: Mobile Information Systems. 2016 ; Vuosikerta 2016.

Solomitskii, Dmitrii ; Gapeyenko, Margarita ; Semkin, Vasili ; Andreev, Sergey ; Koucheryavy, Yevgeni. / **Technologies for Efficient Amateur Drone Detection in 5G Millimeter-Wave Cellular Infrastructure**. Julkaisussa: IEEE Communications Magazine. 2018 ; Vuosikerta 56, Nro 1. Sivut 43-50.

Tauriainen, Matti K. ; Puttonen, Jari A. ; Saari, Arto J. / **The assessment of constructability : BIM cases**. Julkaisussa: Journal of Information Technology in Construction. 2015 ; Vuosikerta 20. Sivut 51-67.

Peltokangas, Mikko ; Suominen, Velipekka ; Vakhitov, Damir ; Verho, Jarmo ; Korhonen, Janne ; Lekkala, Jukka ; Vehkaoja, Antti ; Oksala, Niku. / **The effect of percutaneous transluminal angioplasty of superficial femoral artery on pulse wave features**. Julkaisussa: Computers in Biology and Medicine. 2018 ; Vuosikerta 96. Sivut 274-282.

Shahshahan, Mohsen ; Keinänen, Pasi ; Vuorinen, Jyrki. / **The Effect of Ultrasonic Dispersion on the Surface Chemistry of Carbon Nanotubes in the Jeffamine D-230 Polyetheramine Medium**. Julkaisussa: IEEE Transactions on Nanotechnology. 2017 ; Vuosikerta 16, Nro 5. Sivut 741-744.

Hyrnsalmi, Sami ; Suominen, Arho ; Mäkilä, Tuomas ; Knuutila, Timo. / **The emerging application ecosystems : An introductory analysis of android ecosystem**. Julkaisussa: INTERNATIONAL JOURNAL OF E-BUSINESS RESEARCH. 2014 ; Vuosikerta 10, Nro 2. Sivut 61-81.

Yoo, Seong Ki ; Cotton, Simon L. ; Sofotasios, Paschalis C. ; Matthaiou, Michail ; Valkama, Mikko ; Karagiannidis, George K. / **The Fisher-Snedecor F Distribution : A Simple and Accurate Composite Fading Model**. Julkaisussa: IEEE Communications Letters. 2017 ; Vuosikerta 21, Nro 7. Sivut 1661-1664.

Akyildiz, I. F. ; Pierobon, M. ; Balasubramaniam, S. ; Koucheryavy, Y. / **The internet of Bio-Nano things**. Julkaisussa: IEEE Communications Magazine. 2015 ; Vuosikerta 53, Nro 3. Sivut 32-40.

Orsino, Antonino ; Samuylov, Andrey ; Moltchanov, Dmitri ; Andreev, Sergey ; Militano, Leonardo ; Araniti, Giuseppe ; Koucheryavy, Yevgeni. / **Time-Dependent Energy and Resource Management in Mobility-Aware D2D-Empowered 5G Systems**. Julkaisussa: IEEE Wireless Communications. 2017 ; Vuosikerta 24, Nro 4. Sivut 14-22.

Serra, Angela ; Fratello, Michele ; Del Giudice, Giusy ; Saarimäki, Laura Aliisa ; Paci, Michelangelo ; Federico, Antonio ; Greco, Dario. / **TinderMIX : Time-dose integrated modelling of toxicogenomics data**. Julkaisussa: GigaScience. 2020 ; Vuosikerta 9, Nro 5.

Dehmer, Matthias ; Chen, Zengqiang ; Emmert-Streib, Frank ; Mowshowitz, Abbe ; Shi, Yongtang ; Tripathi, Shailesh ; Zhang, Yusen. / **Towards detecting structural branching and cyclicity in graphs : A polynomial-based approach**. Julkaisussa: Information Sciences. 2019 ; Vuosikerta 471. Sivut 19-28.

Ometov, Aleksandr ; Orsino, Antonino ; Militano, Leonardo ; Moltchanov, Dmitri ; Araniti, Giuseppe ; Olshannikova, Ekaterina ; Fodor, Gabor ; Andreev, Sergey ; Olsson, Thomas ; Iera, Antonio ; Torsner, Johan ; Koucheryavy, Yevgeni ; Mikkonen, Tommi. / **Toward trusted, social-aware D2D connectivity : Bridging across the technology and sociality realms**. Julkaisussa: IEEE Wireless Communications. 2016 ; Vuosikerta 23, Nro 4. Sivut 103-111.

Faisal, Ali ; Gillberg, Jussi ; Leen, Gayle ; Peltonen, Jaakko. / **Transfer learning using a nonparametric sparse topic model**. Julkaisussa: Neurocomputing. 2013 ; Vuosikerta 112. Sivut 124-137.

Hamari, Juho. / **Transforming homo economicus into homo ludens : A field experiment on gamification in a utilitarian peer-to-peer trading service**. Julkaisussa: Electronic Commerce Research and Applications. 2013 ; Vuosikerta 12, Nro 4. Sivut 236-245.

Korpi, Dani ; Riihonen, Taneli ; Sabharwal, Ashutosh ; Valkama, Mikko. / **Transmit Power Optimization and Feasibility Analysis of Self-backhauling Full-Duplex Radio Access Systems**. Julkaisussa: IEEE Transactions on Wireless Communications. 2018 ; Vuosikerta 17, Nro 6. Sivut 4219-4236.

Oulasvirta, Antti ; Suomalainen, Tiia ; Hamari, Juho ; Lampinen, Airi ; Karvonen, Kristiina. / **Transparency of intentions decreases privacy concerns in ubiquitous surveillance**. Julkaisussa: CYBERPSYCHOLOGY BEHAVIOR AND SOCIAL NETWORKING. 2014 ; Vuosikerta 17, Nro 10.

Terryn, Louise ; Calders, Kim ; Disney, Mathias ; Origo, Niall ; Malhi, Yadvinder ; Newnham, Glenn ; Raunonen, Pasi ; Åkerblom, Markku ; Verbeeck, Hans. / **Tree species classification using structural features derived from terrestrial laser scanning**. Julkaisussa: ISPRS Journal of Photogrammetry and Remote Sensing. 2020 ; Vuosikerta 168. Sivut 170-181.

Urama, Jani ; Wiren, Richard ; Galinina, Olga ; Kauppi, Juhani ; Hiltunen, Kimmo ; Erkkilä, Juha ; Chernogorov, Fedor ; Eteläaho, Pentti ; Heikkilä, Marjo ; Torsner, Johan ; Andreev, Sergey ; Valkama, Mikko. / **UAV-Aided Interference Assessment for Private 5G NR Deployments : Challenges and Solutions**. Julkaisussa: IEEE Communications Magazine. 2020 ; Vuosikerta 58, Nro 8. Sivut 89-95.

Belahcen, Anouar ; Rasilo, Paavo ; Nguyen, Thu Trang ; Clénet, Stephane. / **Uncertainty propagation of iron loss from characterization measurements to computation of electrical machines**. Julkaisussa: COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. 2015 ; Vuosikerta 34, Nro 3. Sivut 624-636.

Pirkkalainen, Henri ; Jokinen, Jussi P P ; Pawlowski, Jan M. / **Understanding social OER environments-A quantitative study on factors influencing the motivation to share and collaborate**. Julkaisussa: IEEE Transactions on Learning Technologies. 2014 ; Vuosikerta 7, Nro 4. Sivut 388-400.

Glazko, Galina V. ; Emmert-Streib, Frank. / **Unite and conquer : Univariate and multivariate approaches for finding differentially expressed gene sets**. Julkaisussa: Bioinformatics. 2009 ; Vuosikerta 25, Nro 18. Sivut 2348-2354.

Babahajiani, Pouria ; Fan, Lixin ; Kämäräinen, Joni-Kristian ; Gabbouj, Moncef. / **Urban 3D segmentation and modelling from street view images and LiDAR point clouds**. Julkaisussa: Machine Vision and Applications. 2017 ; Vuosikerta 28, Nro 7. Sivut 679-694.

Matos Simoes, Ricardo de ; Dalleau, Sabine ; Williamson, Kate E. ; Emmert-Streib, Frank. / **Urothelial cancer gene regulatory networks inferred from large-scale RNAseq, Bead and Oligo gene expression data**. Julkaisussa: BMC Systems Biology. 2015 ; Vuosikerta 9.

Hamari, Juho ; Malik, Aqdas ; Koski, Johannes ; Johri, Aditya. / **Uses and Gratifications of Pokémon Go : Why do People Play Mobile Location-Based Augmented Reality Games?**. Julkaisussa: International Journal of Human-Computer Interaction. 2019 ; Vuosikerta 35, Nro 9.

Taylor, Jonathon ; Biddulph, Phillip ; Davies, Michael ; Ridley, Ian ; Mavrogianni, Anna ; Oikonomou, Eleni ; Lai, Ka Man. / **Using building simulation to model the drying of flooded building archetypes**. Julkaisussa: JOURNAL OF BUILDING PERFORMANCE SIMULATION. 2013 ; Vuosikerta 6, Nro 2. Sivut 119-140.

Niemi, Eetu ; Pekkola, Samuli. / **Using enterprise architecture artefacts in an organisation**. Julkaisussa: Enterprise Information Systems. 2017 ; Vuosikerta 11, Nro 3. Sivut 313-338.

Adonias, Geofly L. ; Yastrebova, Anastasia ; Barros, Michael Taynnan ; Koucheryavy, Yevgeni ; Cleary, Frances ; Balasubramaniam, Sasitharan. / **Utilizing Neurons for Digital Logic Circuits : A Molecular Communications Analysis**. Julkaisussa: IEEE Transactions on Nanobioscience. 2020 ; Vuosikerta 19, Nro 2. Sivut 224-236.

Basole, Rahul C. ; Huhtamäki, Jukka ; Still, Kaisa ; Russell, Martha G. / **Visual decision support for business ecosystem analysis**. Julkaisussa: Expert Systems with Applications. 2016 ; Vuosikerta 65. Sivut 271-282.

Patrona, Foteini ; Iosifidis, Alexandros ; Tefas, Anastasios ; Nikolaidis, Nikolaos ; Pitas, Ioannis. / **Visual Voice Activity Detection in the Wild**. Julkaisussa: IEEE Transactions on Multimedia. 2016 ; Vuosikerta 18, Nro 6. Sivut 967-977.

Rostami, Soheil ; Kela, Petteri ; Leppanen, Kari ; Valkama, Mikko. / **Wake-up Radio-Based 5G Mobile Access : Methods, Benefits, and Challenges**. Julkaisussa: IEEE Communications Magazine. 2020 ; Vuosikerta 58, Nro 7. Sivut 14-20.

Deng, Shengli ; Jiang, Yuting ; Li, Hongxiu ; Liu, Yong. / **Who contributes what? Scrutinizing the activity data of 4.2 million Zhihu users via immersion scores**. Julkaisussa: INFORMATION PROCESSING AND MANAGEMENT. 2020 ; Vuosikerta 57, Nro 5.

Galluccio, Laura ; Akan, Ozgur B. ; Balasubramaniam, Sasitharan ; Sivakumar, Raghupathy. / **Wireless communications at the nanoscale**. Julkaisussa: IEEE Wireless Communications. 2012 ; Vuosikerta 19, Nro 5. Sivut 10-11.

Balasubramaniam, Sasitharan ; Wirdatmadja, Stefanus A. ; Barros, Michael Taynnan ; Koucheryavy, Yevgeni ; Stachowiak, Michal ; Jornet, Josep Miquel. / **Wireless Communications for Optogenetics-Based Brain Stimulation : Present Technology and Future Challenges**. Julkaisussa: IEEE Communications Magazine. 2018 ; Vuosikerta 56, Nro 7. Sivut 218-224.

Galinina, Olga ; Mikhaylov, Konstantin ; Huang, Kaibin ; Andreev, Sergey ; Koucheryavy, Yevgeni. / **Wirelessly powered urban crowd sensing over wearables : Trading energy for data**. Julkaisussa: IEEE Wireless Communications. 2018 ; Vuosikerta 25, Nro 2. Sivut 140-149.

Mattila, Jouni ; Koivumäki, Janne ; Caldwell, Darwin G. ; Semini, Claudio. / **A survey on control of hydraulic robotic manipulators with projection to future trends**. Julkaisussa: IEEE - ASME Transactions on Mechatronics. 2017 ; Vuosikerta 22, Nro 2. Sivut 669-680.

Mattila, J. ; Semini, C. ; Moon, H. ; Buchli, J. ; Hyon, S. ; Li, P. Y. ; Yao, B. / **Guest editorial introduction to the focused section on design and control of hydraulic robots**. Julkaisussa: IEEE - ASME Transactions on Mechatronics. 2017 ; Vuosikerta 22, Nro 2. Sivut 585-588.

Ma, Huadong ; Yu, Shui ; Gabbouj, Moncef ; Mueller, Peter. / **Guest Editorial Special Issue on Multimedia Big Data in Internet of Things**. Julkaisussa: IEEE Internet of Things Journal. 2018 ; Vuosikerta 5, Nro 5. Sivut 3405-3407.

Andreev, Sergey ; Dobre, Ciprian ; Misra, Prasant. / **Internet of Things and Sensor Networks**. Julkaisussa: IEEE Communications Magazine. 2020 ; Vuosikerta 58, Nro 2. Sivut 34-34.

Suzumori, Koichi ; Hyon, Sang Ho ; Semini, Claudio ; Mattila, Jouni ; Kanda, Takefumi. / **Preface : Special Issue on 'New Hydraulic Components for Tough Robots'**. Julkaisussa: Advanced Robotics. 2018 ; Vuosikerta 32, Nro 9.

Andreev, Sergey ; Dobre, Ciprian. / **The Internet of Things and Sensor Networks**. Julkaisussa: IEEE Communications Magazine. 2019 ; Vuosikerta 57, Nro 9. Sivut 70-70.

Suominen, Olli ; Mörsky, Ville ; Ritala, Risto ; Vilko, Matti. / **Framework for optimization and scheduling of a copper production plant**. 26th European Symposium on Computer Aided Process Engineering, 2016. Vuosikerta 38 Elsevier Science B.V., 2016. Sivut 1243-1248 (Computer Aided Chemical Engineering).

Seppälä, Jari ; Salmenperä, Mikko. / **Towards dependable automation**. Cyber Security: Analytics, Technology and Automation: Part IV. Springer International Publishing, 2015. Sivut 229-249 (Intelligent Systems, Control and Automation: Science and Engineering).

Ylinen, Antti ; Mäkinen, Jari ; Kouhia, Reijo. / **Two models for hydraulic cylinders in flexible multibody simulations**. Computational Methods for Solids and Fluids: Multiscale Analysis, Probability Aspects and Model Reduction. Springer, 2016. Sivut 463-493 (Computational Methods in Applied Sciences).

Kantola, Emmi ; Leinonen, Tomi ; Ranta, Sanna ; Tavast, Miki ; Penttinen, Jussi-Pekka ; Guina, Mircea. / **1180nm VECSEL with 50 W output power**. Proceedings of SPIE - The International Society for Optical Engineering. Vuosikerta 9349 SPIE, 2015.

Viheriälä, Jukka ; Tuorila, Heidi ; Zia, Nouman ; Cherchi, Matteo ; Aalto, Timo ; Guina, Mircea. / **1.3µm U-bend traveling wave SOA devices for high efficiency coupling to silicon photonics**. Silicon Photonics XIV. Toimittaja / Graham T. Reed ; Andrew P. Knights. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Mereuta, Alexandru ; Nechay, Kostiantyn ; Caliman, Andrei ; Suruceanu, Grigore ; Gallo, Pascal ; Guina, Mircea ; Kapon, Eli. / **1.55-µm wavelength wafer-fused OP-VECSELs in flip-chip configuration**. Vertical External Cavity Surface Emitting Lasers (VECSELs) IX. Toimittaja / Ursula Keller. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Khonsari, Zahra ; Björninen, Toni ; Tentzeris, Manos M. ; Sydänheimo, Lauri ; Ukkonen, Leena. / **2.4 GHz inkjet-printed RF energy harvester on bulk cardboard substrate**. 2015 IEEE Radio and Wireless Symposium (RWS), 25-28 Jan. 2015, San Diego, CA . IEEE, 2015. Sivut 153-155

Yadav, Amit ; Chichkov, Nikolay B. ; Gumenyuk, Regina ; Zhereptsov, Evgeny ; Melkumov, Mikhail A. ; Yashkov, Mikhail V. ; Dianov, Evgeny M. ; Rafailov, Edik U. / **405-nm pumped Ce³⁺-doped silica fiber for broadband fluorescence from cyan to red**. Optical Components and Materials XVI. Toimittaja / Michel J. F. Digonnet ; Shibin Jiang. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Wang, Yicheng ; Zhao, Yongguang ; Pan, Zhongben ; Suomalainen, Soile ; Härkönen, Antti ; Guina, Mircea ; Griebner, Uwe ; Wang, Li ; Loiko, Pavel ; Mateos, Xavier ; Chen, Weidong ; Petrov, Valentin. / **73-fs SESAM mode-locked Tm,Ho:CNGG laser at 2061 nm**. Solid State Lasers XXIX: Technology and Devices. Toimittaja / W. Andrew Clarkson ; Ramesh K. Shori. SPIE, 2020. (Proceedings of SPIE - The International Society for Optical Engineering).

Mäkelä, Ville ; Linna, Juhani ; Keskinen, Tuuli ; Hakulinen, Jaakko ; Turunen, Markku. / **Acceptance and perceptions of interactive location-tracking displays**. Pervasive Displays 2019 - 8th ACM International Symposium on Pervasive Displays, PerDis 2019. Toimittaja / Vito Gentile ; Jessica R. Cauchard. ACM, 2019.

Aldawood, Sarah ; Fowley, Frank ; Pahl, Claus ; Taibi, Davide ; Liu, Xiaodong. / **A coordination-based brokerage architecture for multi-cloud resource markets**. Proceedings - 2016 4th International Conference on Future Internet of Things and Cloud Workshops, W-FiCloud 2016. Institute of Electrical and Electronics Engineers Inc., 2016. Sivut 7-14

Georgiev, Georgi Yordanov ; Aho, Tommi ; Kesseli, Juha ; Yli-Harja, Olli ; Kauffman, Stuart A. / **Action and power efficiency in self-organization : The case for growth efficiency as a cellular objective in escherichia coli**. Evolution, Development and Complexity - Multiscale Evolutionary Models of Complex Adaptive Systems. Toimittaja / Claudio L. Flores Martinez ; Georgi Yordanov Georgiev ; John M. Smart ; Michael E. Price. Springer, 2019. Sivut 229-244 (Springer Proceedings in Complexity).

Voronin, V. ; Pismenskova, M. ; Zelensky, A. ; Cen, Yigang ; Nadykto, A. ; Egiazarian, K. / **Action recognition using the 3D dense microblock difference**. Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies II. SPIE, 2018. (Proceedings of SPIE).

Merilampi, Sari ; Koivisto, Antti ; Virkki, Johanna. / **Activation game for older adults - Development and initial user experiences.** 2018 IEEE 6th International Conference on Serious Games and Applications for Health, SeGAH 2018. IEEE, 2018. Sivut 1-5

Zhu, Shuyuan ; Zeng, Bing ; Gabbouj, Moncef. / **Adaptive sampling for compressed sensing based image compression.** 2014 IEEE International Conference on Multimedia and Expo (ICME), 14-18 July 2014, Chengdu. 2014.

Ponomarenko, Mykola ; Miroshnichenko, Oleksandr ; Lukin, Vladimir ; Egiazarian, Karen. / **Additional lossless compression of JPEG images based on BPG.** Image Processing: Algorithms and Systems XVII. 2019. (IS and T International Symposium on Electronic Imaging Science and Technology).

Shen, Chung Ching ; Wu, Hsiang Huang ; Sane, Nimish ; Plishker, William ; Bhattacharyya, Shuvra S. / **A design tool for efficient mapping of multimedia applications onto heterogeneous platforms.** Electronic Proceedings of the 2011 IEEE International Conference on Multimedia and Expo, ICME 2011. 2011.

Lenarduzzi, Valentina ; Stan, Alexandru Cristian ; Taibi, Davide ; Tosi, Davide ; Venters, Gustavs. / **A dynamical quality model to continuously monitor software maintenance.** Proceedings of the 11th European Conference on Information Systems Management, ECISM 2017. Academic Conferences and Publishing International Limited, 2017. Sivut 168-178

Coatanéa, Eric ; Ritola, Tuomas ; Tumer, Irem Y. ; Jensen, David. / **A framework for building behavioral models for design-stage failure identification using dimensional analysis.** Proceedings of the ASME Design Engineering Technical Conference. Vuosikerta 5 AMER SOC MECHANICAL ENGINEERS, 2010. Sivut 591-601

Sand, Antti ; Rakkolainen, Ismo. / **A hand-held immaterial volumetric display.** Proceedings of SPIE-IS and T Electronic Imaging - Stereoscopic Displays and Applications XXV. Vuosikerta 9011 SPIE, 2014.

Phung, Hoy My ; Kahle, Hermann ; Penttinen, Jussi-Pekka ; Rajala, Patrik ; Ranta, Sanna ; Guina, Mircea. / **A membrane external-cavity surface-emitting laser (MECSEL) with emission around 825 nm.** Vertical External Cavity Surface Emitting Lasers (VECSELs) X. Toimittaja / Jennifer E. Hastie. SPIE, 2020. (Proceedings of SPIE - The International Society for Optical Engineering).

Rubel, Aleksey S. ; Lukin, Vladimir V. ; Egiazarian, Karen. / **A method for predicting DCT-based denoising efficiency for grayscale images corrupted by AWGN and additive spatially correlated noise.** Proceedings of SPIE - The International Society for Optical Engineering. Vuosikerta 9399 SPIE, 2015.

Mohammed, Wael M. ; Ferrer, Borja Ramis ; Martinez, Jose L. ; Sanchis, Raquel ; Andres, Beatriz ; Agostinho, Carlos. / **A multi-agent approach for processing industrial enterprise data.** 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings. IEEE, 2018. Sivut 1209-1215

Urama, Jani ; Gerasimenko, Mikhail ; Stusek, Martin ; Masek, Pavel ; Andreev, Sergey ; Hosek, Jiri ; Koucheryavy, Yevgeni. / **A multi-purpose automated vehicular platform with multi-radio connectivity capabilities.** 2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018. IEEE, 2018. Sivut 1-7

Galinina, Olga ; Pyattaev, Alexander ; Johnsson, Kerstin ; Andreev, Sergey ; Koucheryavy, Yevgeni. / **Analyzing Effects of Directional Deafness on mmWave Channel Access in Unlicensed Bands.** 2017 IEEE Globecom Workshops, GC Wkshps 2017 - Proceedings. IEEE, 2018. Sivut 1-7

Katasonov, Artem ; Lastusilta, Toni ; Korvola, Timo ; Saari, Leila ; Bendas, Dan ; Mohammed, Wael M. ; Lee, Angelica Nieto. / **An approach to production scheduling optimization a case of an oil lubrication and hydraulic systems manufacturer.** 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings. IEEE, 2018. Sivut 1123-1130

Canelas, Pedro ; Martins, Leonardo ; Mora, André ; S. Ribeiro, Andre ; Fonseca, José. / **An image generator platform to improve cell tracking algorithms simulation of objects of various morphologies, kinetics and clustering.** SIMULTECH 2016 - Proceedings of the 6th International Conference on Simulation and Modeling Methodologies, Technologies and Applications. SCITEPRESS, 2016. Sivut 44-55

Saintsing, Christy D. ; Cook, Benjamin S. ; Tentzeris, Manos M. / **An origami inspired reconfigurable spiral antenna.** 38th Mechanisms and Robotics Conference. Vuosikerta 5B The American Society of Mechanical Engineers ASME, 2014.

Sudusinghe, Kishan ; Won, Stephen ; Van Der Schaar, Mihaela ; Bhattacharyya, Shuvra. / **A novel framework for design and implementation of adaptive stream mining systems.** 2013 IEEE International Conference on Multimedia and Expo, ICME 2013. 2013.

Pyattaev, Alexander ; Johnsson, Kerstin ; Andreev, Sergey ; Koucheryavy, Yevgeni. / **A novel stochastic channel modeling approach for mmWave systems with beamforming.** 2016 IEEE 83rd Vehicular Technology Conference (VTC Spring) . IEEE, 2016.

Luhtala, Matti ; Karvonen, Tuomo ; Pylväs, Jyrki ; Ala-Kokko, Aki ; Magica, Reina ; Takeda, Yuko ; Turunen, Markku. / **Antroposeeni - A mixed reality game.** ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference. Association for Computing Machinery, Inc, 2015. Sivut 211-213

Battisti, F. ; Carli, M. ; Stramacci, A. ; Boev, A. ; Gotchev, A. / **A perceptual quality metric for high-definition stereoscopic 3D video.** Image Processing: Algorithms and Systems XIII. SPIE, 2015. (SPIE Conference Proceedings).

Carminati, Barbara ; Ferrari, Elena ; Morasca, Sandro ; Taibi, Davide. / **A probability-based approach to modeling the risk of unauthorized propagation of information in on-line social networks.** CODASPY'11 - Proceedings of the 1st ACM Conference on Data and Application Security and Privacy. 2011. Sivut 51-61

Taibi, Davide ; Lenarduzzi, Valentina ; Pahl, Claus. / **Architectural patterns for microservices : A systematic mapping study .** CLOSER 2018 - Proceedings of the 8th International Conference on Cloud Computing and Services Science. SCITEPRESS, 2018. Sivut 221-232

Heinisuo, Olli-Pekka ; Lenarduzzi, Valentina ; Taibi, Davide. / **Asterism : Decentralized file sharing application for mobile devices.** 2019 7th IEEE International Conference on Mobile Cloud Computing, Services, and Engineering, MobileCloud 2019. IEEE, 2019. Sivut 38-47

Korpi, Dani ; Anttila, Lauri ; Valkama, Mikko. / **Asymmetric full-duplex with contiguous downlink carrier aggregation.** 2016 IEEE 17th International Workshop on Signal Processing Advances in Wireless Communications (SPAWC). IEEE, 2016.

Caraffi, Claudio ; Vojir, Tomáš ; Trefný, Jiří ; Šochman, Jan ; Matas, Jiří. / **A system for real-time detection and tracking of vehicles from a single car-mounted camera.** 2012 15th International IEEE Conference on Intelligent Transportation Systems, ITSC 2012. 2012. Sivut 975-982

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

Thanisch, Peter ; Lindell, Teppo ; Nummenmaa, Jyrki ; Nummenmaa, Timo. / **Avoiding anomalies when modeling a many-to-many relationship in a multidimensional database.** BIR 2009 - 8th International Conference on Perspectives in Business Informatics Research. Kristianstad Academic Press, 2014.

Zakeri, Faezeh Sadat ; Bätz, Michel ; Jaschke, Tobias ; Keinert, Joachim ; Chuchvara, Alexandra. / **Benchmarking of several disparity estimation algorithms for light field processing.** Fourteenth International Conference on Quality Control by Artificial Vision. Toimittaja / Stephane Bazeille ; Nicolas Verrier ; Christophe Cudel. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Carroll, Raymond ; Balasubramaniam, Sasitharan ; Botvich, Dmitri ; Donnelly, William. / **Bio-inspired service management framework : Green data-centres case study**. Proceedings - 25th IEEE International Conference on Advanced Information Networking and Applications Workshops, WAINA 2011. 2011. Sivut 226-231

Naumenko, V. ; Solodovnik, V. ; Totsky, A. ; Zelensky, A. ; Astola, J. / **Bispectrum-based demodulation technique using triple-channel heterodyning of triplet-signal**. 2015 Second International Scientific-Practical Conference Problems of Infocommunications Science and Technology (PIC S&T). IEEE, 2015. Sivut 224-226

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

Ponomarenko, Mykola ; Gapon, Nikolay ; Voronin, Viacheslav ; Egiazarian, Karen. / **Blind estimation of white Gaussian noise variance in highly textured images**. Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.

Egiazarian, Karen ; Danielyan, Aram ; Ponomarenko, Nikolay ; Foia, Alessandro ; Ieremeiev, Oleg ; Lukin, Vladimir. / **BM3D-HVS : Content-Adaptive denoising for improved visual quality**. Image Processing: Algorithms and Systems XV. 2017. Sivut 48-55 (Electronic Imaging).

Sharma, Sumita ; Srivastava, Saurabh ; Sorathia, Keyur ; Hakulinen, Jaakko ; Heimonen, Tomi ; Turunen, Markku ; Rajput, Nitendra. / **Body-touching : An embodied interaction technique for health information systems in developing regions**. MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc, 2014. Sivut 49-56

Du, Liuliu ; Prasauskas, Tadas ; Leivo, Virpi ; Turunen, Mari ; Aaltonen, Anu ; Kiviste, Mihkel ; Martuzevicius, Dainius ; Haverinen-Shaughnessy, Ulla. / **Building energy-efficiency interventions in North-East Europe : Effects on indoor environmental quality and public health**. Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate. International Society of Indoor Air Quality and Climate , 2014. Sivut 637-639

Rakkolainen, Ismo ; Raisamo, Roope ; Turk, Matthew ; Höllerer, Tobias ; Palovuori, Karri. / **Casual immersive viewing with smartphones**. AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM, 2016. Sivut 449-452

Viehrig, Marlitt ; Tuukkanen, Sampo ; Kallio, Pasi. / **Challenges and capabilities of conductive polymeric materials for electromechanical stimulation of stem cells : A case study**. 2016 International Conference on Manipulation, Automation and Robotics at Small Scales, MARSS 2016. Institute of Electrical and Electronics Engineers Inc., 2016.

Reponen, Tiina ; Saari, Sampo ; Mensah-Attipoe, Jacob ; Ukkonen, Ari ; Veijalainen, Annamaria ; Pasanen, Pertti ; Keskinen, Jorma. / **Characterization of charge in airborne fungal spores**. Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate. International Society of Indoor Air Quality and Climate , 2014. Sivut 359-361

Nummenmaa, Jyrki ; Marttila-Kontio, Maija ; Nummenmaa, Timo. / **Checking visual data flow programs with finite process models**. 13th Symposium on Programming Languages and Software Tools, SPLST 2013 - Proceedings. University of Szeged, 2013. Sivut 245-258

Aluigi, Luca ; Thai, Trang T. ; Tentzeris, Manos M. ; Roselli, Luca ; Alimenti, Federico. / **Chip-to-package wireless power transfer and its application to mm-Wave antennas and monolithic radiometric receivers**. RSW 2013 - 2013 IEEE Radio and Wireless Symposium - RWS 2013. 2013. Sivut 202-204

Emmert-Streib, Frank ; Dehmert, Matthias ; Kilian, Jürgen. / **Classification of large graphs by a local tree decomposition**. Proceedings of the 2005 International Conference on Data Mining, DMIN'05. 2005. Sivut 200-207

Niemelä, Pia ; Partanen, Tiina ; Toivanen, Tero ; Toikkanen, Tarmo ; Kangas, Vuokko ; Översti, Markus. / **Code ABC hackathons : Teachers as tinkers.** Digital Turn in Schools - Research, Policy, Practice: Proceedings of ICEM 2018 Conference. Springer International Publishing, 2019. Sivut 157-169 (Lecture Notes in Educational Technology).

Silverajan, Bilhanan ; Luoma, Juha-Pekka ; Vajaranta, Markku ; Itäpuro, Riku. / **Collaborative cloud-based management of home networks.** Proceedings of the 2015 IFIP/IEEE International Symposium on Integrated Network Management, IM 2015. IEEE, 2015. Sivut 786-789

Laakom, Firas ; Raitoharju, Jenni ; Iosifidis, Alexandros ; Nikkanen, Jarno ; Gabbouj, Moncef. / **Color Constancy Convolutional Autoencoder.** 2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019. IEEE, 2019. Sivut 1085-1090

Murayama, Mizuki ; Oguro, Daisuke ; Kikuchi, Hisakazu ; Huttunen, Heikki ; Ho, Yo Sung ; Shin, Jaeho. / **Color-distribution similarity by information theoretic divergence for color images.** 2016 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference, APSIPA 2016. IEEE, 2017.

Voronin, V. ; Semenishchev, E. ; Ponomarenko, M. ; Agaian, S. / **Combined local and global image enhancement algorithm.** Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.

Ieremeiev, Oleg ; Lukin, Vladimir ; Ponomarenko, Nikolay ; Egiazarian, Karen. / **Combined no-reference IQA metric and its performance analysis.** Image Processing: Algorithms and Systems XVII. 2019. (IS and T International Symposium on Electronic Imaging Science and Technology).

Lukin, Vladimir V. ; Ponomarenko, Nikolay N. ; Ieremeiev, Oleg ; Egiazarian, Karen ; Astola, Jaakko. / **Combining full-reference image visual quality metrics by neural network.** Proceedings of SPIE - The International Society for Optical Engineering. Vuosikerta 9394 SPIE, 2015.

Leinonen, Juho ; Leppänen, Leo ; Ihantola, Petri ; Hellas, Arto. / **Comparison of time metrics in programming.** ICER 2017 - Proceedings of the 2017 ACM Conference on International Computing Education Research. ACM, 2017. Sivut 200-208

Kulya, Maksim S. ; Katkovnik, Vladimir ; Egiazarian, Karen ; Petrov, Nikolay V. / **Complex-domain sparse imaging in terahertz pulse time-domain holography with balance detection.** Terahertz, RF, Millimeter, and Submillimeter-Wave Technology and Applications XIII. Toimittaja / Laurence P. Sadwick ; Tianxin Yang. SPIE, 2020. (Proceedings of SPIE).

Niutanen, Valtteri ; Hölttä-Otto, Katja ; Rahardjo, Anindhikaputra ; Stowe, Harold Mike ; Helo, Petri ; Pulkkinen, Antti. / **Complex elevator system DSM-case for a DSM design sprint.** Understand, Innovate, and Manage your Complex System! - Proceedings of the 19th International DSM Conference. The Design Society, 2017. Sivut 259-264

Miroshnichenko, Oleksandr ; Ponomarenko, Mykola ; Lukin, Vladimir ; Egiazarian, Karen. / **Compression of signs of DCT coefficients for additional lossless compression of JPEG images.** Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.

Cho, Chunhee ; Yi, Xiaohua ; Wang, Yang ; Tentzeris, Manos M. ; Leon, Roberto T. / **Compressive strain measurement using RFID patch antenna sensors.** Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2014. Vuosikerta 9061 SPIE, 2014.

Katkovnik, Vladimir ; Shevkunov, Igor ; Petrov, Nikolay V. ; Egiazarian, Karen. / **Computational wavelength resolution for in-line lensless holography : Phase-coded diffraction patterns and wavefront group-sparsity.** Digital Optical Technologies 2017. SPIE, 2017. (Proceedings of SPIE).

Suntio, T. ; Waltari, P. ; Gadoura, I. / **Condition monitoring of storage batteries in telecom power systems-crisp vs. soft computing methodology.** SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications. Toimittaja / Jarno Martikainen. IEEE, 1999. Sivut 97-102 (SMCia 1999 - Proceedings of

the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications).

Mohammed, Wael M. ; Ferrer, Borja Ramis ; Jose, L. ; Lastra, Martinez ; Aleixo, David ; Agostinho, Carlos. / **Configuring and visualizing the data resources in a cloud-based data collection framework**. 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings. IEEE, 2018. Sivut 1201-1208

Narra, Nathaniel ; Fouefack, Jean Rassaire ; Douglas, Tania ; Mutsvangwa, Tinashe. / **Conformal mapping of the human scapula to generate dense landmark features**. 2018 3rd Biennial South African Biomedical Engineering Conference, SAIBMEC 2018. Institute of Electrical and Electronics Engineers Inc., 2018. Sivut 1-4 (2018 3rd Biennial South African Biomedical Engineering Conference, SAIBMEC 2018).

Vainio, Markku. / **Continuous-wave optical parametric oscillators for mid-infrared spectroscopy**. Nonlinear Frequency Generation and Conversion: Materials and Devices XIX. Toimittaja / Peter G. Schunemann ; Kenneth L. Schepler. SPIE, 2020. (Proceedings of SPIE - The International Society for Optical Engineering).

Sahin, Erdem ; Vagharshakyan, Suren ; Bregovic, Robert ; Lee, Gwangsoon ; Gotchev, Atanas. / **Conversion of sparsely-captured light field into alias-free fullparallax multiview content**. Electronic Imaging: Stereoscopic Displays and Applications XXIX. Society for Imaging Science and Technology, 2018. Sivut 1441-1445

Mäkitalo, Niko ; Aaltonen, Timo ; Mikkonen, Tommi. / **Coordinating proactive social devices in a mobile cloud : Lessons learned and a way forward**. MOBILESoft '16 Proceedings of the International Conference on Mobile Software Engineering and Systems . ACM, 2016. Sivut 179-188

Yi, Xiaohua ; Cho, Chunhee ; Wang, Yang ; Cook, Benjamin ; Tentzeris, Manos M. ; Leon, Roberto T. / **Crack propagation measurement using a battery-free slotted patch antenna sensor**. 7th European Workshop on Structural Health Monitoring, EWSHM 2014 - 2nd European Conference of the Prognostics and Health Management (PHM) Society. INRIA, 2014. Sivut 1040-1047

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

Nejadsattari, F. ; Zhang, Y. ; Jayakody, M. N. ; Bouchard, F. ; Larocque, H. ; Sit, A. ; Fickler, R. ; Cohen, E. ; Karimi, E. / **Cyclic quantum walks : Photonic realization and decoherence analysis**. Advanced Optical Techniques for Quantum Information, Sensing, and Metrology. Toimittaja / Philip R. Hemmer ; Alan L. Migdall ; Zameer UI Hasan. SPIE, 2020. (Proceedings of SPIE - The International Society for Optical Engineering).

Nummenmaa, Jyrki ; Nummenmaa, Timo. / **Database-driven tool support for DisCo executable specifications**. SPLST'11 - Proceedings 12th Symposium on Programming Languages and Software Tools. 2011. Sivut 44-54

Battisti, F. ; Carli, M. ; De Paola, E. ; Egiazarian, K. / **Deep p-Fibonacci scattering networks**. Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.

Voronin, V. V. ; Marchuk, V. I. ; Fisunov, A. V. ; Tokareva, S. V. ; Egiazarian, K. O. / **Depth map occlusion filling and scene reconstruction using modified exemplar-based inpainting**. Image Processing: Algorithms and Systems XIII. SPIE, 2015. (SPIE Conference Proceedings).

Ruokonen, Anna ; Wu, Zhenli ; Lu, Rui. / **Describing mobile devices as RESTful services for the end-users**. 2016 IEEE International Conference on Mobile Services (MS). IEEE, 2016. Sivut 127-134

Yi, Xiaohua ; Cho, Chunhee ; Cook, Benjamin ; Wang, Yang ; Tentzeris, Manos M. ; Leon, Roberto T. / **Design and simulation of a slotted patch antenna sensor for wireless strain sensing**. Nondestructive Characterization for Composite Materials, Aerospace Engineering, Civil Infrastructure, and Homeland Security 2013. Vuosikerta 8694 2013.

Solomitchii, Dmitrii ; Petrov, Vitaly ; Nikopour, Hosein ; Akdeniz, Mustafa ; Orhan, Oner ; Himayat, Nageen ; Talwar, Shilpa ; Andreev, Sergey ; Koucheryavy, Yevgeni. / **Detailed Interference Analysis in Dense mmWave Systems Employing Dual-Polarized Antennas**. 2017 IEEE Globecom Workshops. IEEE, 2018. Sivut 1-6

Tarniceriu, Adrian ; Harju, Jarkko ; Vehkaoja, Antti ; Parak, Jakub ; Delgado-Gonzalo, Ricard ; Renevey, Philippe ; Yli-Hankala, Arvi ; Korhonen, Ilkka. / **Detection of beat-to-beat intervals from wrist photoplethysmography in patients with sinus rhythm and atrial fibrillation after surgery**. 2018 IEEE EMBS International Conference on Biomedical and Health Informatics, BHI 2018. IEEE, 2018. Sivut 133-136

Farooq, Ahmed ; Evreinov, Grigori ; Raisamo, Roope ; Mäkinen, Erno ; Nukarinen, Tomi ; Majeed, Atif Abdul. / **Developing novel multimodal interaction techniques for touchscreen in-vehicle infotainment systems**. ICOSST 2014 - 2014 International Conference on Open Source Systems and Technologies, Proceedings. Institute of Electrical and Electronics Engineers Inc., 2014. Sivut 32-42

Melekhov, Iaroslav ; Tiulpin, Aleksei ; Sattler, Torsten ; Pollefeys, Marc ; Rahtu, Esa ; Kannala, Juho. / **DGC-Net : Dense geometric correspondence network**. 2019 IEEE Winter Conference on Applications of Computer Vision, WACV 2019. IEEE, 2019. Sivut 1034-1042 (IEEE Winter Conference on Applications of Computer Vision).

Tavakoli, Hamed R. ; Rahtu, Esa ; Kannala, Juho ; Borji, Ali. / **Digging deeper into egocentric gaze prediction**. 2019 IEEE Winter Conference on Applications of Computer Vision, WACV 2019. IEEE, 2019. Sivut 273-282 (IEEE Winter Conference on Applications of Computer Vision).

Coatanea, Eric ; Roca, Ric. / **Dimensional analysis conceptual modeling supporting adaptable reasoning in simulation-based training**. 2018 13th System of Systems Engineering Conference, SoSE 2018. IEEE, 2018. Sivut 245-252

Wu, Di ; Coatanea, Eric ; Wang, G. Gary. / **Dimension reduction and decomposition using causal graph and qualitative analysis for aircraft concept design optimization**. 43rd Design Automation Conference. The American Society of Mechanical Engineers ASME, 2017.

Foley, Christopher ; Balasubramaniam, Sasitharan ; Botvich, Dmitri ; Donnelly, William ; Michaelis, Stefan ; Schmutzler, Jens ; Stair, Thomas. / **Distributed pervasive services using group service communication supporting body area networks**. BODYNETS 2008 - 3rd International ICST Conference on Body Area Networks. ICST, 2011.

Isotalo, Tero J. ; Niemi, Tapio. / **Dots-on-the-fly electron beam lithography**. SPIE Proceedings: Alternative Lithographic Technologies VIII. Toimittaja / Christopher Bencher. Vuosikerta 9777 SPIE, 2016. (Proceedings of SPIE).

Valkonen, Mira ; Kartasalo, Kimmo ; Liimatainen, Kaisa ; Nykter, Matti ; Latonen, Leena ; Ruusuvoori, Pekka. / **Dual Structured Convolutional Neural Network with Feature Augmentation for Quantitative Characterization of Tissue Histology**. 2017 IEEE International Conference on Computer Vision Workshops, ICCVW 2017. IEEE, 2018. Sivut 27-35

Stoykova, Elena ; Nazarova, Dimana ; Berberova, Nataliya ; Gotchev, Atanas ; Ivanov, Branimir ; Mateev, Georgy. / **Dynamic laser speckle metrology with binarization of speckle patterns**. 19th International Conference and School on Quantum Electronics: Laser Physics and Applications. SPIE, 2017. (Proceedings of SPIE).

Urama, Jani ; Olshannikova, Ekaterina ; Ometov, Aleksandr ; Masek, Pavel ; Andreev, Sergey ; Olsson, Thomas ; Hosek, Jiri ; Niutanen, Jussi ; Koucheryavy, Yevgeni ; Mikkonen, Tommi. / **Dynamic social trust associations over d2d communications : An implementation perspective**. 2016 IEEE International Conference on Mobile Services (MS). IEEE, 2016. Sivut 186-189

Luhtala, Matti ; Heimonen, Tomi ; Mäkelä, Ville ; Keskinen, Tuuli ; Turunen, Markku ; Saarinen, Santeri. / **DYNAMO sound engine - Exploring the aesthetics of dynamic sound interactions**. MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc, 2014. Sivut 159-166

He, Yejun ; Pan, Zhengzheng ; Yang, Jie ; Sun, Guiyuan ; Tentzeris, Manos M. / **Effect of feeder cable's phase tolerance on the first sidelobe level of base station antenna**. IWCMC 2014 - 10th International Wireless Communications and Mobile Computing Conference. Institute of Electrical and Electronics Engineers Inc., 2014. Sivut 1022-1026

Gapeyenko, Margarita ; Bor-Yaliniz, Irem ; Andreev, Sergey ; Yanikomeroglu, Halim ; Koucheryavy, Yevgeni. / **Effects of blockage in deploying mmWave drone base stations for 5g networks and beyond**. 2018 IEEE International Conference on Communications Workshops. IEEE, 2018. Sivut 1-6

Youvalari, Ramin Ghaznavi ; Aminlou, Alireza ; Hannuksela, Miska M. ; Gabbouj, Moncef. / **Efficient coding of 360-degree pseudo-cylindrical panoramic video for virtual reality applications**. 2016 IEEE International Symposium on Multimedia (ISM). IEEE, 2017. Sivut 525-528

Niemelä, Pia ; Valmari, Antti. / **Elementary math to close the digital skills gap**. CSEDU 2018 - Proceedings of the 10th International Conference on Computer Supported Education. Vuosikerta 2 SCITEPRESS, 2018. Sivut 154-165

Franssila, Heljä ; Okkonen, Jussi ; Savolainen, Reijo. / **Email intensity, productivity and control in the knowledge worker's performance on the desktop**. MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc, 2014. Sivut 19-22

Nix, Emily ; Das, Payel ; Taylor, Jonathon ; Davies, Michael. / **Employing a multi-Objective robust optimisation method for healthy and low-energy dwelling design in Delhi, India**. Proceedings of the 2014 Building Simulation and Optimization Conference. 2015. Sivut 2093-2100

Sofotasios, Paschalis C. ; Yoo, Seong Ki ; Muhaidat, Sami ; Cotton, Simon L. ; Matthaiou, Michail ; Valkama, Mikko ; Karagiannidis, George K. / **Ergodic Capacity Analysis of Wireless Transmission over Generalized Multipath/Shadowing Channels**. 2018 IEEE 87th Vehicular Technology Conference. IEEE, 2018. Sivut 1-5

Li, Suyue ; Bariah, Lina ; Muhaidat, Sami ; Sofotasios, Paschalis ; Liang, Jie ; Wang, Anhong. / **Error analysis of NOMA-based user cooperation with SWIPT**. Proceedings - 15th Annual International Conference on Distributed Computing in Sensor Systems, DCOSS 2019. IEEE, 2019. Sivut 507-513

Kymalainen, Tiina ; Perala, Piia ; Hakulinen, Jaakko ; Heimonen, Tomi ; James, Jobin ; Pera, Juha. / **Evaluating a Future Remote Control Environment with an Experience-Driven Science Fiction Prototype**. Proceedings - 2015 International Conference on Intelligent Environments, IE 2015. Institute of Electrical and Electronics Engineers Inc., 2015. Sivut 81-88

Naumenko, V. V. ; Solodovnik, V. F. ; Totsky, A. V. ; Zelensky, A. A. ; Astola, J. T. / **Experimental study of bispectrum-based encoding in radio communication system**. 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings. The Institute of Electrical and Electronics Engineers, Inc., 2015.

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

Rosa, Francescantonio Della ; Paakki, Tommi ; Nurmi, Jari ; Pelosi, Mauro. / **Exploiting RSS measurements among neighbouring devices : A matter of trust**. 2013 International Conference on Indoor Positioning and Indoor Navigation, IPIN 2013. IEEE COMPUTER SOCIETY PRESS, 2013.

Sariola, Rami. / **Exploiting suppliers' potential in construction innovations**. 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings. IEEE, 2018. Sivut 678-684

Zia, Nouman ; Viheriälä, Jukka ; Koskinen, Riku ; Koskinen, Mervi ; Suomalainen, Soile ; Guina, Mircea. / **Fabrication and characterization of broadband superluminescent diodes for 2 μm wavelength.** Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XX. SPIE, 2016. (Proceedings of SPIE).

Gizatdinova, Yulia ; Spakov, Öleg ; Surakka, Veikko. / **Face typing : Vision-based perceptual interface for hands-free text entry with a scrollable virtual keyboard.** 2012 IEEE Workshop on the Applications of Computer Vision, WACV 2012. 2012. Sivut 81-87

Amato, Giuseppe ; Falchi, Fabrizio ; Gennaro, Claudio ; Massoli, Fabio Valerio ; Passalis, Nikolaos ; Tefas, Anastasios ; Trivilini, Alessandro ; Vairo, Claudio. / **Face verification and recognition for digital forensics and information security.** 7th International Symposium on Digital Forensics and Security, ISDFS 2019. Toimittaja / Asaf Varol ; Murat Karabatak ; Cihan Varol ; Sevginur Teke. IEEE, 2019.

Ometov, Aleksandr ; Masek, Pavel ; Malina, Lukas ; Florea, Roman ; Hosek, Jiri ; Andreev, Sergey ; Hajny, Jan ; Niutanen, Jussi ; Koucheryavy, Yevgeni. / **Feasibility characterization of cryptographic primitives for constrained (wearable) IoT devices.** IEEE International Conference on Pervasive Computing and Communication Workshops, PerCom Workshops 2016. IEEE, 2016.

Lampinen, Santeri ; Niemi, Jouni ; Mattila, Jouni. / **Flow-bounded trajectory-scaling algorithm for hydraulic robotic manipulators.** 2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020. IEEE, 2020. Sivut 619-624 (IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM).

Hokkanen, Laura ; Xu, Yueqiang ; Väänänen, Kaisa. / **Focusing on user experience and business models in startups : Investigation of two-dimensional value creation.** AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM, 2016. Sivut 59-67

Taibi, Davide ; Systä, Kari. / **From monolithic systems to microservices : A decomposition framework based on process mining.** CLOSER 2019 - Proceedings of the 9th International Conference on Cloud Computing and Services Science. Toimittaja / Donald Ferguson ; Victor Mendez Munoz ; Markus Helfert ; Claus Pahl. SCITEPRESS, 2019. Sivut 153-164

Ieremeiev, Oleg ; Lukin, Vladimir ; Ponomarenko, Nikolay ; Egiazarian, Karen. / **Full-reference metrics multidistortional analysis.** Image Processing: Algorithms and Systems XV. 2017. Sivut 27-35 (Electronic Imaging).

Salmela, Jussi Matti ; Thanisch, Peter ; Sotamaa, Olli ; Niemi, Tapio. / **Games and energy : Profiling power usage during play.** MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc, 2014. Sivut 192-199

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

Emmert-Streib, Frank ; Dehmer, Matthias. / **Global information processing in gene networks : Fault tolerance.** Proceedings of the Bio-Inspired Models of Network, Information, and Computing Systems, Bionetics 2007. 2007. Sivut 326-329

Coatanéa, Eric ; Nonsiri, Sarayut ; Christophe, Francois ; Mokammel, Faisal. / **Graph based representation and analyses for conceptual stages.** 34th Computers and Information in Engineering Conference. Vuosikerta 1A The American Society of Mechanical Engineers ASME, 2014.

Ledentsov, N. N. ; Shchukin, V. A. ; Lyytikäinen, J. ; Okhotnikov, O. ; Cherkashin, N. A. ; Shernyakov, Yu M. ; Payusov, A. S. ; Gordeev, N. Y. ; Maximov, M. V. ; Schlichting, S. ; Nippert, F. ; Hoffmann, A. / **Green (In,Ga,Al)P-GaP light-emitting diodes grown on high-index GaAs surfaces.** Proceedings of SPIE: Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XIX. Vuosikerta 9383 SPIE, 2015.

Leinonen, Tomi ; Penttinen, Jussi Pekka ; Korpijärvi, Ville Markus ; Kantola, Emmi ; Guina, Mircea. / **>8W GainNAs VECSEL emitting at 615 nm**. Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) V. Vuosikerta 9349 SPIE, 2015.

Sylari, Antonios ; Ferrer, Borja Ramis ; Lastra, Jose L.Martinez. / **Hand gesture-based on-line programming of industrial robot manipulators**. 2019 IEEE 17th International Conference on Industrial Informatics, INDIN 2019. IEEE, 2019. Sivut 827-834 (IEEE International Conference on Industrial Informatics (INDIN)).

Farooq, Ahmed ; Evreinov, Grigori ; Raisamo, Roope ; Majeed, Atif Abdul. / **Haptic user interface enhancement system for touchscreen based interaction : A novel system for multimodal interaction with touchscreen interfaces**. ICOSST 2014 - 2014 International Conference on Open Source Systems and Technologies, Proceedings. Institute of Electrical and Electronics Engineers Inc., 2014. Sivut 25-31

Heikkinen, Jani Erik ; Gafurov, Salimzhan ; Kopylov, Sergey ; Minav, Tatiana ; Grebennikov, Sergey ; Kurbanov, Artur. / **Hardware-in-the-loop platform for testing autonomous vehicle control algorithms**. Proceedings - 12th International Conference on the Developments in eSystems Engineering, DeSE 2019. Toimittaja / Dhiya Al-Jumeily ; Jade Hind ; Jamila Mustafina ; Assem Al-Hajj ; Abir Hussain ; Evgeni Magid ; Hissam Tawfik. IEEE, 2019. Sivut 906-911 (International Conference on Developments in eSystems Engineering, DeSE).

Mateos, Xavier ; Loiko, Pavel ; Lamrini, Samir ; Scholle, Karsten ; Fuhrberg, Peter ; Suomalainen, Soile ; Härkönen, Antti ; Guina, Mircea ; Vatik, Sergei ; Vedin, Ivan ; Aguiló, Magdalena ; Díaz, Francesc ; Wang, Yicheng ; Griebner, Uwe ; Petrov, Valentin. / **Highly-efficient Ho:KY(WO4)2 thin-disk lasers at 2.06 μm**. Pacific-Rim Laser Damage 2018: Optical Materials for High-Power Lasers. SPIE, IEEE, 2018. (Proceedings of SPIE).

Viherialä, Jukka ; Aho, Antti T. ; Mäkelä, Jaakko ; Salmi, Joel ; Virtanen, Heikki ; Leinonen, Tomi ; Dumitrescu, Mihail ; Guina, Mircea. / **High-power 1550 nm tapered DBR lasers fabricated using soft UV-nanoimprint lithography**. High-Power Diode Laser Technology and Applications XIV. SPIE, 2016. (SPIE Conference Proceedings).

Moirangthem, Monali ; Stumpel, Jelle E. ; Alp, Baran ; Teunissen, Pit ; Bastiaansen, Cees W M ; Schenning, Albertus P H J. / **Hot pen and laser writable photonic polymer films**. Emerging Liquid Crystal Technologies XI. Vuosikerta 9769 SPIE, 2016.

Heimbirger, Anneli ; Isomottonen, Ville ; Nieminen, Paavo ; Keto, Harri. / **How do academics experience use of recorded audio feedback in higher education? A thematic analysis**. Frontiers in Education: Fostering Innovation Through Diversity, FIE 2018 - Conference Proceedings. IEEE, 2019. (Proceedings - Frontiers in Education Conference).

Helminen, Juha ; Ihanntola, Petri ; Karavirta, Ville ; Alaoutinen, Satu. / **How do students solve parsons programming problems? - Execution-based vs. line-based feedback**. Proceedings - 2013 Learning and Teaching in Computing and Engineering, LaTICE 2013. 2013. Sivut 55-61

Rubel, Oleksii ; Ponomarenko, Nikolay ; Lukin, Vladimir ; Astola, Jaakko ; Egiazarian, Karen. / **HVS-based local analysis of denoising efficiency for DCT-based filters**. 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings. IEEE, 2015. Sivut 189-192

Tripathy, Soumya ; Kannala, Juho ; Rahtu, Esa. / **ICface : Interpretable and controllable face reenactment using GANs**. 2020 IEEE Winter Conference on Applications of Computer Vision, WACV 2020. IEEE, 2020. Sivut 3374-3383 (IEEE Winter Conference on Applications of Computer Vision).

AbuJarour, Safa'a ; Pawlowski, Jan ; Bick, Markus ; Bagucanskyte, Migle ; Frankenberg, Anna ; Hudak, Raimund ; Makropoulos, Constantinos ; Pappa, Dimitra ; Pitsilis, Vabilis ; Pirkkalainen, Henri ; Tannhauser, Anne Christin ; Trepule, Elena ; Vidalis, Aristedes ; Volungeviciene, Airina. / **Idea-space : A use case of collaborative course development in higher education**. Wissens-Gemeinschaften 2015. TUDpress Verlag der Wissenschaften GmbH, 2015. Sivut 149-156

Melekhov, Iaroslav ; Ylioinas, Juha ; Kannala, Juho ; Rahtu, Esa. / **Image-Based Localization Using Hourglass Networks**. 2017 IEEE International Conference on Computer Vision Workshops, ICCVW 2017. IEEE, 2018. Sivut 870-877

Zhu, Shuyuan ; Zeng, Bing ; Liu, Guanghui ; Zeng, Liaoyuan ; Fang, Lu ; Gabbouj, Moncef. / **Image interpolation based on non-local geometric similarities**. 2015 IEEE International Conference on Multimedia and Expo (ICME). IEEE COMPUTER SOCIETY PRESS, 2015.

Mäkinen, Petri ; Mononen, Teemu ; Mattila, Jouni. / **Inertial Sensor-Based State Estimation of Flexible Links Subject to Bending and Torsion**. 2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018. IEEE, 2018.

Kalb, Hendrik ; Pirkkalainen, Henri ; Pawlowski, Jan ; Schoop, Eric. / **Influence factors for sharing open science and open educational resources through social networking services**. 6th Conference on Professional Knowledge Management: From Knowledge to Action - Proceedings. Vuosikerta P-182 Gesellschaft fur Informatik (GI), 2011. Sivut 23-32

Karioja, Pentti ; Alajoki, Teemu ; Cherchi, Matteo ; Ollila, Jyrki ; Harjanne, Mikko ; Heinilehto, Noora ; Suomalainen, Soile ; Zia, Nouman ; Tuorila, Heidi ; Viheriälä, Jukka ; Guina, Mircea ; Buczynski, Ryszard ; Kasztelanica, Rafa ; Salo, Tomi ; Virtanen, Sami ; Kluczynski, Pawel ; Borgen, Lars ; Ratajczyk, Marcin ; Kalinowski, Przemyslaw. / **Integrated multi-wavelength mid-IR light source for gas sensing**. Next-Generation Spectroscopic Technologies XI. SPIE, IEEE, 2018. (SPIE Conference Proceedings).

Aalto, Timo ; Harjanne, Mikko ; Offrein, Bert Jan ; Caër, Charles ; Neumeier, Christian ; Malacarne, Antonio ; Guina, Mircea ; Sheehan, Robert N. ; Peters, Frank H. ; Melanen, Petri. / **Integrating III-V, Si, and polymer waveguides for optical interconnects : RAPIDO**. Optical Interconnects XVI. SPIE, 2016. (Proceedings of SPIE).

Vihervaara, Juha ; Alapahuoma, Teemu. / **Internet of Things : Opportunities for vocational education and training: Presentation of the pilot project**. CSEDU 2017 - Proceedings of the 9th International Conference on Computer Supported Education. SCITEPRESS, 2017. Sivut 476-480

Mäkelä, Ville ; Korhonen, Hannu ; Ojala, Jarno ; Järvi, Antti ; Väänänen, Kaisa ; Raisamo, Roope ; Turunen, Markku. / **Investigating mid-air gestures and handhelds in motion tracked environments**. PerDis 2016 - Proceedings of the 5th ACM International Symposium on Pervasive Displays. ACM, 2016. Sivut 45-51

Ivanov, Pavel ; Raitoharju, Matti ; Piché, Robert. / **Kalman-Type Filters and Smoothers for Pedestrian Dead Reckoning**. IPIN 2018 - 9th International Conference on Indoor Positioning and Indoor Navigation. IEEE, 2018.

Coatanéa, Eric ; Wu, Di ; Tsarkov, Vadim ; Gary Wang, G. ; Modi, Siddhant ; Jafarian, Hesam. / **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**. 38th Computers and Information in Engineering Conference. Vuosikerta 1B-2018 The American Society of Mechanical Engineers ASME, 2018.

Tahir, Muhammad Ashhal ; Mahmoodpour, Mehdi ; Lobov, Andrei. / **KPI-ML based integration of industrial information systems**. 2019 IEEE 17th International Conference on Industrial Informatics, INDIN 2019. IEEE, 2019. Sivut 93-99 (IEEE International Conference on Industrial Informatics (INDIN)).

Ozbay, Ekmel ; Bulu, Irfan ; Caglayan, Humeyra. / **Labyrinth based left-handed metamaterials and sub-wavelength focusing of electromagnetic waves**. Photonic Crystal Materials and Devices IV. Vuosikerta 6128 2006. (Proceedings of SPIE).

Tokola, Henri ; Niemi, Esko ; Väistö, Ville. / **Lean manufacturing methods in simulation literature : Review and association analysis**. 2015 Winter Simulation Conference (WSC). 2016. Sivut 2239-2248

Lunden, Olli-Pekka ; Paldanius, Timo. / **Linearization of BJTs with logarithmic predistortion**. 2019 IEEE Radio and Wireless Symposium, RWS 2019. IEEE, 2019. (IEEE Radio and Wireless Symposium, RWS).

Frosio, Iuri ; Egiazarian, Karen ; Pulli, Kari. / **Machine learning for adaptive bilateral filtering**. Image Processing: Algorithms and Systems XIII. Vuosikerta 9399 SPIE, 2015. (Proceedings of SPIE - The International Society for Optical Engineering).

Rosati, Pierangelo ; Fowley, Frank ; Pahl, Claus ; Taibi, Davide ; Lynn, Theo. / **Making the cloud work for software producers : Linking architecture, operating cost and revenue**. CLOSER 2018 - Proceedings of the 8th International Conference on Cloud Computing and Services Science. SCITEPRESS, 2018. Sivut 364-375

Gao, Yuan ; Bregovic, Robert ; Gotchev, Atanas ; Koch, Reinhard. / **MAST: Mask-accelerated shearlet transform for densely-sampled light field reconstruction**. 2019 IEEE International Conference on Multimedia and Expo, ICME 2019. IEEE, 2019. Sivut 187-192

Coatanéa, Eric ; Yannou, Bernard ; Honkala, Sauli ; Lajunen, Antti ; Saarelainen, Tanja ; Makkonen, Petri. / **Measurement theory and dimensional analysis : Methodological impact on the comparison and evaluation process**. 19th International Conference on Design Theory and Methodology and 1st International Conference on Micro and Nano Systems, presented at - 2007 ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference, IDETC/CIE2007. AMER SOC MECHANICAL ENGINEERS, 2008. Sivut 173-182

Ye, Changgeng ; Koponen, Joonas ; Aallos, Ville ; Kokki, Teemu ; Petit, Laetitia ; Kimmelma, Ossi. / **Measuring bend losses in large-mode-area fibers**. Fiber Lasers XII: Technology, Systems, and Applications. Vuosikerta 9344 SPIE, 2015.

Kahle, Hermann ; Penttinen, Jussi Pekka ; Phung, Hoy My ; Rajala, Patrik ; Tukiainen, Antti ; Ranta, Sanna ; Guina, Mircea. / **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**. Vertical External Cavity Surface Emitting Lasers (VECSELS) IX. Toimittaja / Ursula Keller. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Kozhemiakina, Nadejda ; Lukin, Vladimir ; Ponomarenko, Nikolay ; Akulynichev, Artem ; Astola, Jaakko ; Egiazarian, Karen. / **Method of data compression for traffic monitoring**. 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings. IEEE, 2015. Sivut 153-156

Afolaranmi, Samuel Olaiya ; Gonzalez Moctezuma, Luis E. ; Rak, Massimiliano ; Casola, Valentina ; Rios, Erkuden ; Martinez Lastra, Jose L. / **Methodology to obtain the security controls in multi-cloud applications**. CLOSER 2016 - Proceedings of the 6th International Conference on Cloud Computing and Services Science. Vuosikerta 1 SCITEPRESS, 2016. Sivut 327-332

Ponomarenko, Mykola ; Katkovnik, Vladimir ; Egiazarian, Karen. / **Methods and tools for denoising of complex-valued images based on block-matching and high order singular value decomposition**. Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.

Jokela, Tero ; Väättäjä, Heli ; Koponen, Tiina. / **Mobile Journalist Toolkit : A field study on producing news articles with a mobile device**. MindTrek 2009 - 13th International Academic MindTrek Conference: Everyday Life in the Ubiquitous Era. 2009. Sivut 45-52

Desogus, C. ; Fadda, M. ; Murrioni, M. ; Araniti, G. ; Orsino, A. / **Mobility aware eMBMS management in urban 5G-oriented systems**. 2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017. IEEE, 2017.

Ye, Changgeng ; Koponen, Joonas ; Aallos, Ville ; Petit, Laetitia ; Kimmelma, Ossi ; Kokki, Teemu. / **Mode coupling in few-mode large-mode-area fibers**. Fiber Lasers XI: Technology, Systems, and Applications. Vuosikerta 8961 SPIE, 2014.

Korpi, Dani ; Turunen, Matias ; Anttila, Lauri ; Valkama, Mikko. / **Modeling and cancellation of self-interference in full-duplex radio transceivers : Volterra series-based approach**. 2018 IEEE International Conference on Communications Workshops. IEEE, 2018. Sivut 1-6

Godbole, Tanmay Ram ; Calvo-Fullana, Miguel ; Pyattaev, Alexander ; Mox, Daniel ; Andreev, Sergey ; Ribeiro, Alejandro ; Valkama, Mikko. / **Modeling mmWave Channels in High-Fidelity Simulations of Unmanned Aerial Systems**. 2019 IEEE 20th International Workshop on Signal Processing Advances in Wireless Communications, SPAWC 2019. IEEE, 2019. (IEEE International Workshop on Signal Processing Advances in Wireless Communications).

Rajan, Dhanesh Kattippambal ; Verho, Jarmo ; Kreutzer, Joose ; Valimaki, Hannu ; Ihalainen, Heimo ; Lekkala, Jukka ; Patrikoski, Mimmi ; Miettinen, Susanna. / **Monitoring pH, temperature and humidity in long-term stem cell culture in CO₂ incubator**. 2017 IEEE International Symposium on Medical Measurements and Applications (MeMeA). IEEE, 2017. Sivut 470-474

Korpijärvi, Ville-Markus ; Kantola, Emmi L. ; Leinonen, Tomi ; Guina, Mircea. / **Monolithic GaInNAsSb/GaAs VECSEL emitting at 1550 nm**. SPIE conference proceedings. Vuosikerta 9349 SPIE, 2015.

Xing, Hongnian ; Renfors, Markku. / **Multi-carrier CDMA for network assisted device-to-device communications for an integrated OFDMA cellular system**. 2016 IEEE 83rd Vehicular Technology Conference (VTC Spring) . 2016.

Sapaev, U. K. ; Yusupov, D. B. ; Assanto, G. / **Multicolor nonlinear pulse compression by consecutive optical parametric amplification in quasi-phase matched structures**. ICONO 2010: International Conference on Coherent and Nonlinear Optics. Vuosikerta 7993 2011.

Suzuki, Junichi ; Balasubramaniam, Sasitharan ; Prina-Mello, Adriale. / **Multiobjective TDMA optimization for neuron-based molecular communication**. BODYNETS 2012 - 7th International Conference on Body Area Networks. ICST, 2012.

Cho, Chunhee ; Yi, Xiaohua ; Wang, Yang ; Tentzeris, Manos M. / **Multi-physics modeling and simulation of a frequency doubling antenna sensor for passive wireless strain sensing**. Structural Health Monitoring 2015: System Reliability for Verification and Implementation - Proceedings of the 10th International Workshop on Structural Health Monitoring, IWSHM 2015. Vuosikerta 2 DEStech Publications, 2015. Sivut 864-872

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

Katkovnik, Vladimir ; Shevkunov, Igor ; Petrov, Nikolay V. ; Eguiazarian, Karen. / **Multiwavelength surface contouring from phase-coded diffraction patterns**. Unconventional Optical Imaging 2018. Strasbourg, France. SPIE, 2018. (Proceedings of SPIE - The International Society for Optical Engineering).

Nummenmaa, Timo ; Kultima, Annakaisa ; Tyni, Heikki ; Alha, Kati. / **MurMur Moderators, the talking playful seats**. MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc, 2014. Sivut 231-237

Lenarduzzi, Valentina ; Taibi, Davide. / **MVP Explained : A Systematic Mapping Study on the Definitions of Minimal Viable Product**. Proceedings - 42nd Euromicro Conference on Software Engineering and Advanced Applications, SEAA 2016. IEEE, 2016. Sivut 112-119

Dehmer, Matthias ; Borgert, Stephan ; Emmert-Streib, Frank. / **Network classes and graph complexity measures**. Proc. - 2008 1st International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems. Medical Applications of the Complex Systems. Biomedical Computing, CANS 2008. 2008. Sivut 77-84

Voronin, V. V. ; Frantc, V. A. ; Marchuk, V. I. ; Sherstobitov, A. I. ; Egiazarian, K. / **No-reference visual quality assessment for image inpainting**. Image Processing: Algorithms and Systems XIII. SPIE, 2015. (SPIE Conference Proceedings).

Araniti, G. ; Orsino, A. ; Militano, L. ; Putrino, G. ; Andreev, S. ; Koucheryavy, Y. ; Iera, A. / **Novel D2D-based relaying method for multicast services over 3GPP LTE-A systems**. 2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017. IEEE, 2017.

Dikmese, Sener ; Ilyas, Zobia ; Sofotasios, Paschalis ; Renfors, Markku ; Valkama, Mikko. / **Novel frequency domain cyclic prefix autocorrelation based compressive spectrum sensing for cognitive radio**. 2016 IEEE 83rd Vehicular Technology Conference (VTC Spring) . IEEE, 2016.

Nummenmaa, Timo ; Kultima, Annakaisa ; Kankainen, Ville ; Savolainen, Sampo ; Syvänen, Antti ; Alha, Kati ; Mäyrä, Frans. / **OASIS deck of cards - House of colleagues : A playful**. ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference. Association for Computing Machinery, Inc, 2015. Sivut 2-9

Radevici, Ivan ; Sadi, Toufik ; Tripurari, Tripathi ; Tiira, Jonna ; Ranta, Sanna ; Tukiainen, Antti ; Guina, Mircea ; Oksanen, Jani. / **Observation of local electroluminescent cooling and identifying the remaining challenges**. Photonic Heat Engines: Science and Applications. Toimittaja / Denis V. Seletskiy ; Richard I. Epstein ; Mansoor Sheik-Bahae. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Barneto, Carlos Baquero ; Anttila, Lauri ; Fleischer, Marko ; Valkama, Mikko. / **OFDM radar with LTE waveform : Processing and performance**. 2019 IEEE Radio and Wireless Symposium, RWS 2019. IEEE COMPUTER SOCIETY PRESS, 2019. (IEEE Radio and Wireless Symposium, RWS).

Salminen, Katri ; Rantala, Jussi ; Isokoski, Poika ; Lehtonen, Marko ; Müller, Philipp ; Karjalainen, Markus ; Väliäho, Jari ; Kontunen, Anton ; Nieminen, Ville ; Leivo, Joni ; Telembeci, Anca Andreea ; Lekkala, Jukka ; Kallio, Pasi ; Surakka, Veikko. / **Olfactory display prototype for presenting and sensing authentic and synthetic odors**. ICMI 2018 - Proceedings of the 2018 International Conference on Multimodal Interaction. ACM, 2018. Sivut 73-77

Juhola, Martti ; Joutsijoki, Henry ; Varpa, Kirsi ; Saarikoski, Jyri ; Rasku, Jyrki ; Iltanen, Kati ; Laurikkala, Jorma ; Hyyro, Heikki ; Avalos-Salguero, Jorge ; Siirtola, Harri ; Penttinen, Kirsi ; Aalto-Setälä, Katriina. / **On computation of calcium cycling anomalies in cardiomyocytes data**. 2014 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2014. Institute of Electrical and Electronics Engineers Inc., 2014. Sivut 1444-1447

Raitoharju, Jenni ; Meissner, Kristian. / **On Confidences and Their Use in (Semi-)Automatic Multi-Image Taxa Identification**. 2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019. IEEE, 2019. Sivut 1338-1343

Ivanov, Stepan ; Botvich, Dmitri ; Balasubramaniam, Sasitharan. / **On delay distribution in IEEE 802.11 wireless networks**. 16th IEEE Symposium on Computers and Communications, ISCC'11. 2011. Sivut 254-256

Stumpel, Jelle E. ; Broer, Dirk J. ; Bastiaansen, Cees W M ; Schenning, Albert P H J. / **Optical and topographic changes in water-responsive patterned cholesteric liquid crystalline polymer coatings**. Proceedings of SPIE: Organic Photonics VI. Vuosikerta 9137 SPIE, 2014. (Proceedings of SPIE: the International Society for Optical Engineering).

Marshoud, Hanaa ; Muhaidat, Sami ; Sofotasios, Paschalis C. ; Imran, Muhammad ; Sharif, Bayan S. ; Karagiannidis, George K. / **Optical Asymmetric Modulation for VLC Systems - Invited Paper**. 2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018. IEEE, 2018. Sivut 1-5

Fotiadi, Andrei A. ; Korobko, Dmitry A. ; Okhotnikov, Oleg G. ; Zolotovskii, Igor O. / **Optical fiber amplifier with spectral compression elements for high-power laser pulse generation**. Nonlinear Optics and its Applications IV. Vuosikerta 9894 SPIE, 2016. (Proceedings of SPIE).

Orsino, A. ; Araniti, G. ; Scopelliti, P. ; Gudkova, I. A. ; Samouylov, K. E. ; Iera, A. / **Optimal subgroup configuration for multicast services over 5G-satellite systems**. 2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017. IEEE, 2017.

Li, Xiaoyang ; You, Changsheng ; Andreev, Sergey ; Gong, Yi ; Huang, Kaibin. / **Optimizing wirelessly powered crowd sensing : Trading energy for data**. 2018 IEEE International Conference on Communications Workshops. IEEE, 2018. Sivut 1-6

Hildén, Elina ; Väättäjä, Heli ; Roto, Virpi ; Uusitalo, Kero. / **Participatory development of user experience design guidelines for a B2B company**. AcademicMindtrek '16 Proceedings of the 20th International Academic Mindtrek Conference . ACM, 2016. Sivut 49-58

Taibi, Davide ; El Ioini, Nabil ; Pahl, Claus ; Niederkofler, Jan Raphael Schmid. / **Patterns for serverless functions (Function-as-a-Service) : A multivocal literature review**. CLOSER 2020 - Proceedings of the 10th International Conference on Cloud Computing and Services Science. Toimittaja / Donald Ferguson ; Markus Helfert ; Claus Pahl. Vuosikerta 1 SCITEPRESS, 2020. Sivut 181-192

Selim, Bassant ; Muhaidat, Sami ; Sofotasios, Paschalis C. ; Sharif, Bayan S. ; Stouraitis, Thanos ; Karagiannidis, George K. ; Al-Dhahir, Naofal. / **Performance Analysis of Single Carrier Coherent and Noncoherent Modulation under I/Q Imbalance**. 2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018. IEEE, 2018. Sivut 1-5

Sheikh, Muhammad Usman ; Biswas, Ritayan ; Lempiäinen, Jukka. / **Performance Evaluation of Coordinated Multipoint Transmission at 28 GHz Frequency Using 3D Ray Tracing**. 2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018 - Proceedings. IEEE, 2018. Sivut 1-6

Khan, Suabyal ; Saastamoinen, Jukka ; Huusko, Jyrki ; Nurmi, Jari. / **Performance evaluation of distributed NoTA applications on multi-core platforms**. Proceedings - 2011 IEEE 2nd International Conference on Networked Embedded Systems for Enterprise Applications, NESEA 2011. 2011.

Iosifidis, Alexandros ; Tefas, Anastasios ; Pitas, Ioannis. / **Person identification from actions based on dynemes and discriminant learning**. 2013 International Workshop on Biometrics and Forensics, IWBF 2013. 2013.

Bulling, Andreas ; Duchowski, Andrew T. ; Majaranta, Päivi. / **PETMEI 2011 : The 1st international workshop on pervasive eye tracking and mobile eye-based interaction**. UbiComp'11 - Proceedings of the 2011 ACM Conference on Ubiquitous Computing. 2011. Sivut 627-628

Ponomarenko, Mykola ; Katkovnik, Vladimir ; Egiazarian, Karen. / **Phase masks optimization for broadband diffractive imaging**. Image Processing: Algorithms and Systems XVII. 2019. (IS and T International Symposium on Electronic Imaging Science and Technology).

Petrone, G. ; Romanelli, S. ; Spagnuolo, G. ; Valkealahti, S. / **Photovoltaic plant cloud shadowing and energy drops in Northern Europe**. 2018 IEEE International Conference on Industrial Technology (ICIT). IEEE, 2018. Sivut 1055-1060

Filippov, Valery ; Vorotynskii, Andrei ; Noronen, Teppo ; Gumenyuk, Regina ; Chamorovskii, Yuri ; Golant, Konstantin. / **Picosecond MOPA with ytterbium doped tapered double clad fiber**. Fiber Lasers XIV: Technology and Systems. Vuosikerta 10083 SPIE, 2017. (Proceedings of SPIE; 10083).

Solin, Arno ; Cortés, Santiago ; Rahtu, Esa ; Kannala, Juho. / **PIVO : Probabilistic inertial-visual odometry for occlusion-robust navigation**. Proceedings - 2018 IEEE Winter Conference on Applications of Computer Vision, WACV 2018. IEEE, 2018. Sivut 616-625

Soini, J. ; Sillberg, P. ; Rantanen, P. ; Nummela, J. / **Portable sensor system for reliable condition measurement**. 2016 39th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2016 - Proceedings. 2016. Sivut 1190-1195

Zhu, Lingyu ; Wang, Tinghuai ; Aksu, Emre ; Kämäräinen, Joni-Kristian. / **Portrait instance segmentation for mobile devices**. 2019 IEEE International Conference on Multimedia and Expo, ICME 2019. IEEE, 2019. Sivut 1630-1635

Motlagh, Hamid Didari Khamseh ; Lotfi, Faraz ; Taghirad, Hamid D. ; Germi, Saeed Bakhshi. / **Position Estimation for Drones based on Visual SLAM and IMU in GPS-denied Environment**. ICRoM 2019 - 7th International Conference on Robotics and Mechatronics. IEEE, 2019. Sivut 120-124

Heikkinen, Juuso ; Gumenyuk, Regina ; Rantamäki, Antti ; Lyytikäinen, Jari ; Leinonen, Tomi ; Zolotovskii, Igor ; Melkumov, Mikhail ; Dianov, Evgeny M. ; Okhotnikov, Oleg G. / **Power and wavelength scaling using semiconductor disk laser - bismuth fiber MOPA systems**. Vertical External Cavity Surface Emitting Lasers (VECSELs) V. Toimittaja / M Guina. BELLINGHAM : SPIE, 2015. (Proceedings of SPIE).

Leppänen, Leo ; Leinonen, Juho ; Ihanola, Petri ; Hellas, Arto. / **Predicting academic success based on learning material usage**. SIGITE 2017 - Proceedings of the 18th Annual Conference on Information Technology Education. ACM, 2017. Sivut 13-18

Suominen, Olli ; Gotchev, Atanas. / **Preserving natural scene lighting by strobe-lit video**. Image Processing: Algorithms and Systems XIII. SPIE, 2015. (SPIE Conference Proceedings).

Leinonen, Juho ; Ihanola, Petri ; Hellas, Arto. / **Preventing keystroke based identification in open data sets**. L@S 2017 - Proceedings of the 4th (2017) ACM Conference on Learning at Scale. ACM, 2017. Sivut 101-109

Gerasimenko, Mikhail ; Moltchanov, Dmitri ; Florea, Roman ; Himayat, Nageen ; Andreev, Sergey ; Koucheryavy, Yevgeni . / **Prioritized centrally-controlled resource allocation in integrated multi-RAT HetNets**. IEEE Vehicular Technology Conference. Vuosikerta 2015-July The Institute of Electrical and Electronics Engineers, Inc., 2015.

Kulya, Maksim S. ; Sokolenko, Bogdan ; Gorodetsky, Andrei ; Petrov, Nikolay V. / **Propagation dynamics of ultrabroadband terahertz beams with orbital angular momentum for wireless data transfer**. Broadband Access Communication Technologies XIV. Toimittaja / Benjamin B. Dingel ; Katsutoshi Tsukamoto ; Spiros Mikroulis. SPIE, 2020. (Proceedings of SPIE - The International Society for Optical Engineering).

Kantola, Emmi ; Leinonen, Tomi ; Ranta, Sanna ; Tavast, Miki ; Guina, Mircea. / **Pulsed high-power yellow-orange VECSEL**. Photonics Europe 2014, Semiconductor Lasers and Laser Dynamics VI, April 14-17, 2014, Brussels, Belgium. Proceedings of SPIE. Vuosikerta 9134 SPIE, 2014. (SPIE Conference Proceedings).

Garcia-Fernandez, Jorge ; Joutsiniemi, Anssi ; Ahn, Yushin ; Fernandez, Juan Jose. / **Quantitative + qualitative information for heritage conservation : An open science research for paving 'collaboratively' the way to historical-BIM**. 2015 Digital Heritage International Congress, Digital Heritage 2015. IEEE, 2016. Sivut 207-208

De Wit, J. J M ; Harmanny, R. I A ; Molchanov, P. / **Radar micro-Doppler feature extraction using the Singular Value Decomposition**. 2014 International Radar Conference, Radar 2014. The Institute of Electrical and Electronics Engineers, Inc., 2014.

Habib, Muhammad ; Rasheed, Saqib ; Hussain, Ayyaz ; Ali, Mubashir. / **Random Value Impulse Noise Removal Based on Most Similar Neighbors**. 2015 13th International Conference on Frontiers of Information Technology (FIT) . IEEE, 2016. Sivut 329-333

Solomitckii, Dmitrii ; Petrov, Vitaly ; Nikopour, Hosein ; Akdeniz, Mustafa ; Orhan, Oner ; Himayat, Nageen ; Talwar, Shilpa ; Andreev, Sergey ; Koucheryavy, Yevgeni. / **Ray-based evaluation of dual-polarized MIMO in (Ultra-)dense millimeter-wave urban deployments**. 2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018 - Proceedings. IEEE, 2018. Sivut 1-7

Teke, Burak ; Lanz, Minna ; Kämäräinen, Joni-Kristian ; Hietanen, Antti. / **Real-time and Robust Collaborative Robot Motion Control with Microsoft Kinect @ v2**. 2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018. IEEE, 2018.

Smirnov, Sergey ; Gotchev, Atanas. / **Real-time depth image-based rendering with layered dis-occlusion compensation and aliasing-free composition**. Proceedings of SPIE - The International Society for Optical Engineering. SPIE, 2015. (SPIE Conference Proceedings).

De Oliveira, Marcela Tuler ; Michalás, Antonis ; Groot, Adrien E.D. ; Marquering, Henk A. ; Olabarriaga, Silvia Delgado. / **Red Alert : Break-Glass Protocol to Access Encrypted Medical Records in the Cloud**. 2019 IEEE International Conference on E-Health Networking, Application and Services, HealthCom 2019. IEEE, 2019.

Mäkinen, Petri ; Mustalahti, Pauli ; Launis, Sirpa ; Mattila, Jouni. / **Redundancy-based visual tool center point pose estimation for long-reach manipulators**. 2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020. IEEE, 2020. Sivut 1387-1393 (IEEE/ASME International Conference on Advanced Intelligent Mechatronics).

Qian, Yanlin ; Pertuz, Said ; Nikkanen, Jarno ; Kämäräinen, Joni-Kristian ; Matas, Jiri. / **Revisiting gray pixel for statistical illumination estimation**. VISIGRAPP 2019 - Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications. Toimittaja / Andreas Kerren ; Christophe Hurter ; Jose Braz. SCITEPRESS, 2019. Sivut 36-46

Kimionis, John ; Tentzeris, Manos M. / **RF tag front-end design for uncompromised communication and harvesting**. 2014 IEEE RFID Technology and Applications Conference, RFID-TA 2014. Institute of Electrical and Electronics Engineers Inc., 2014. Sivut 109-114

Hecker, Klaus ; Clemens, Wolfgang ; Lupo, Donald ; Breitung, Sven. / **Roadmap for organic and printed electronics**. Smart Systems Integration 2015 - 9th International Conference and Exhibition on Integration Issues of Miniaturized Systems: MEMS, NEMS, ICs and Electronic Components, SSI 2015. Apprimus Verlag, 2015. Sivut 125-126

Ieremeiev, Oleg ; Lukin, Vladimir ; Ponomarenko, Nikolay ; Egiazarian, Karen. / **Robust linearized combined metrics of image visual quality**. Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.

Mahmoodpour, Mehdi ; Lobov, Andrei ; Lanz, Minna ; Mäkelä, Petteri ; Rundas, Niko. / **Role-based visualization of industrial IoT-based systems**. 2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018. IEEE, 2018.

Neri, Manuela ; Perttu, Leppänen ; Alanen, Mika ; Luscietti, Davide ; Pilotelli, Mariagrazia. / **Safety at chimney-roof penetration : A numerical investigation**. Building Simulation Applications, BSA 2019 - 4th IBPSA-Italy Conference. Toimittaja / Giovanni Pernigotto ; Francesco Patuzzi ; Alessandro Prada ; Vincenzo Corrado ; Andrea Gasparella. Free University of Bozen Bolzano, 2020. Sivut 123-130 (Building Simulation Applications).

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

Rivero Rodriguez, Alejandro ; Leppäkoski, Helena ; Piché, Robert. / **Semantic Labeling of Places based on Phone Usage Features using Supervised Learning**. 2014 Ubiquitous Positioning Indoor Navigation and Location Based Service, UPINLBS 2014 - Conference Proceedings. Piscataway, NJ, USA : IEEE, 2015. Sivut 97-102

Nupponen, Jussi ; Taibi, Davide. / **Serverless : What it Is, What to Do and What Not to Do**. 2020 IEEE International Conference on Software Architecture Companion, ICSA-C 2020. IEEE, 2020. Sivut 49-50

Karavirta, Ville ; Ihanola, Petri ; Koskinen, Teemu. / **Service-oriented approach to improve interoperability of e-learning systems**. Proceedings - 2013 IEEE 13th International Conference on Advanced Learning Technologies, ICALT 2013. 2013. Sivut 341-345

Saleh, Abba ; Ryczkowski, Piotr ; Genty, Goery ; Toivonen, Juha. / **Short-range supercontinuum based lidar for combustion diagnostics**. SPIE Future Sensing Technologies. Toimittaja / Masafumi Kimata ; Christopher R. Valenta. SPIE, IEEE, 2019. (Proceedings of SPIE).

Frantc, V. A. ; Makov, S. V. ; Voronin, V. V. ; Marchuk, V. I. ; Semenishev, E. A. ; Egiazarian, K. O. ; Agaian, S. / **Simultaneous binary hash and features learning for image retrieval**. Mobile Multimedia/Image Processing, Security, and Applications 2016. SPIE, 2016. (SPIE Conference Proceedings).

Kocsis, Péter ; Shevkunov, Igor ; Katkovnik, Vladimir ; Egiazarian, Karen. / **Single exposure lensless subpixel phase imaging**. Digital Optical Technologies 2019. Toimittaja / Bernard C. Kress ; Peter Schelkens. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

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

Ainasoja, Antti E. ; Pertuz, Said ; Kämäräinen, Joni-Kristian. / **Smartphone teleoperation for self-balancing telepresence robots**. VISIGRAPP 2019 - Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications. Toimittaja / Andreas Kerren ; Christophe Hurter ; Jose Braz. SCITEPRESS, 2019. Sivut 561-568

Gadoura, Idris ; Suntio, Teuvo ; Zenger, Kai ; Vallittu, Petri. / **Soft computing-based controller design for a telecom rectifier**. SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications. Toimittaja / Jarno Martikainen. Institute of Electrical and Electronics Engineers Inc., 1999. Sivut 80-85 (SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications).

Mattila, Anna-Liisa ; Ihantola, Petri ; Kilamo, Terhi ; Luoto, Antti ; Nurminen, Mikko ; Väättäjä, Heli. / **Software visualization today - Systematic literature review**. AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM, 2016. Sivut 262-271

Kammachi-Sreedhar, Kashyap ; Aminlou, Alireza ; Hannuksela, Miska M. ; Gabbouj, Moncef. / **Standard-compliant multiview video coding and streaming for virtual reality applications**. 2016 IEEE International Symposium on Multimedia (ISM). IEEE, 2017. Sivut 295-300

Xu, Lei ; Saerens, Grégoire ; Timofeeva, Maria ; Miroshnichenko, Andrey E. ; Camacho-Morales, Rocio ; Volkovskaya, Irina ; Smirnova, Daria A. ; Lysevych, Mykhaylo ; Huang, Lujun ; Cai, Marcus ; Karouta, Fouad ; Hoe Tan, H. ; Kauranen, Martti ; Jagadish, Chennupati ; Grange, Rachel ; Neshev, Dragomir N. ; Rahmani, Mohsen. / **Switchable unidirectional second-harmonic emission through GaAs nanoantennas**. AOS Australian Conference on Optical Fibre Technology, ACOFT 2019 and Australian Conference on Optics, Lasers, and Spectroscopy, ACOLS 2019. Toimittaja / Arnan Mitchell ; Halina Rubinsztein-Dunlop. SPIE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Zhou, Zheng ; Shen, Chung Ching ; Plishker, William ; Wu, Hsiang Huang ; Bhattacharyya, Shuvra S. / **Systematic integration of flowgraph- and module-level parallelism in implementation of DSP applications on multiprocessor systems-on-chip**. ICSP 2012 - 2012 11th International Conference on Signal Processing, Proceedings. Vuosikerta 1 2012. Sivut 402-408

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

Jumisko-Pyykkö, Satu ; Pesonen, Emilia ; Väättäjä, Heli. / **Temporal dimensions of affect in user experience of digital news in the field**. AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM, 2016. Sivut 192-197

Naumenko, Alexey ; Krivenko, Sergey ; Ponomarenko, Nikolay ; Zelensky, Alexander ; Lukin, Vladimir. / **Texture detection in noisy images by combining several local parameters**. 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings. Institute of Electrical and Electronics Engineers Inc., 2015. Sivut 230-233

Michalakis, Antonis ; Komninos, Nikos. / **The lord of the sense : A privacy preserving reputation system for participatory sensing applications**. 2014 IEEE Symposium on Computers and Communications, ISCC 2014 - Proceedings. Institute of Electrical and Electronics Engineers Inc., 2014.

Caglayan, Humeyra ; Ozbay, Ekmel. / **The magical world of metamaterials**. Photonic Materials, Devices, and Applications III. Vuosikerta 7366 2009. (Proceedings of SPIE).

Yi, Xiaohua ; Vyas, Rushi ; Cho, Chunhee ; Fang, Chia Hung ; Cooper, James ; Wang, Yang ; Leon, Roberto T. ; Tentzeris, Manos M. / **Thermal effects on a passive wireless antenna sensor for strain and crack sensing**. Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2012. Vuosikerta 8345 2012.

Yi, Xiaohua ; Wu, Terence ; Lantz, Gabriel ; Wang, Yang ; Leon, Roberto T. ; Tentzeris, Manos M. / **Thickness variation study of RFID-based folded patch antennas for strain sensing**. Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2011. Vuosikerta 7981 2011.

Akpınar, Ugur ; Sahin, Erdem ; Suominen, Olli ; Gotchev, Atanas. / **Thin form-factor super multiview head-up display system**. Stereoscopic Displays and Applications XXX . 2019. (IS&T International Symposium on Electronic Imaging).