

1180nm VECSEL with 50 W output power. / Kantola, Emmi; Leinonen, Tomi; Ranta, Sanna; Tavast, Miki; Penttinen, Jussi-Pekka; Guina, Mircea.

Proceedings of SPIE - The International Society for Optical Engineering. Vol. 9349 SPIE, 2015. 93490U.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

1.3µm U-bend traveling wave SOA devices for high efficiency coupling to silicon photonics. / Viheriälä, Jukka; Tuorila, Heidi; Zia, Nouman; Cherchi, Matteo; Aalto, Timo; Guina, Mircea.

Silicon Photonics XIV. ed. / Graham T. Reed; Andrew P. Knights. SPIE, IEEE, 2019. 109230E (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 10923).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

1.55-µm wavelength wafer-fused OP-VECSELs in flip-chip configuration. / Mereuta, Alexandru; Nechay, Kostiantyn; Caliman, Andrei; Suruceanu, Grigore; Gallo, Pascal; Guina, Mircea; Kapon, Eli.

Vertical External Cavity Surface Emitting Lasers (VECSELs) IX. ed. / Ursula Keller. SPIE, IEEE, 2019. 1090103 (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 10901).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

2.4 GHz inkjet-printed RF energy harvester on bulk cardboard substrate. / Khonsari, Zahra; Björninen, Toni; Tentzeris, Manos M.; Sydänheimo, Lauri; Ukkonen, Leena.

2015 IEEE Radio and Wireless Symposium (RWS), 25-28 Jan. 2015, San Diego, CA . IEEE, 2015. p. 153-155.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

405-nm pumped Ce³⁺-doped silica fiber for broadband fluorescence from cyan to red. / Yadav, Amit; Chichkov, Nikolay B.; Gumenyuk, Regina; Zherebtsov, Evgeny; Melkumov, Mikhail A.; Yashkov, Mikhail V.; Dianov, Evgeny M.; Rafailov, Edik U.

Optical Components and Materials XVI. ed. / Michel J. F. Digonnet; Shubin Jiang. SPIE, IEEE, 2019. 1091406

(Proceedings of SPIE - The International Society for Optical Engineering; Vol. 10914).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

5G-U: Conceptualizing Integrated Utilization of Licensed and Unlicensed Spectrum for Future IoT. / Lu, Xi; Petrov, Vitaly; Moltchanov, Dmitri; Andreev, Sergey; Mahmoodi, Toktam; Dohler, Mischa.

In: IEEE Communications Magazine, Vol. 57, No. 7, 8722595, 2019, p. 92-98.

Research output: Contribution to journal › Article › Scientific › peer-review

73-fs SESAM mode-locked Tm,Ho:CNGG laser at 2061 nm. / Wang, Yicheng; Zhao, Yongguang; Pan, Zhongben; Suomalainen, Soile; Härkönen, Antti; Guina, Mircea; Griebner, Uwe; Wang, Li; Loiko, Pavel; Mateos, Xavier; Chen, Weidong; Petrov, Valentin.

Solid State Lasers XXIX: Technology and Devices. ed. / W. Andrew Clarkson; Ramesh K. Shori. SPIE, 2020. 1125929 (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 11259).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Acceptance and perceptions of interactive location-tracking displays. / Mäkelä, Ville; Linna, Juhani; Keskinen, Tuuli; Hakulinen, Jaakko; Turunen, Markku.

Pervasive Displays 2019 - 8th ACM International Symposium on Pervasive Displays, PerDis 2019. ed. / Vito Gentile; Jessica R. Cauchard. ACM, 2019. a17.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A computational approach to construct a multivariate complete graph invariant. / Dehmer, Matthias; Emmert-Streib, Frank; Grabner, Martin.

In: Information Sciences, Vol. 260, 01.03.2014, p. 200-208.

Research output: Contribution to journal › Article › Scientific › peer-review

A coordination-based brokerage architecture for multi-cloud resource markets. / Aldawood, Sarah; Fowley, Frank; Pahl, Claus; Taibi, Davide; Liu, Xiaodong.

Proceedings - 2016 4th International Conference on Future Internet of Things and Cloud Workshops, W-FiCloud 2016. Institute of Electrical and Electronics Engineers Inc., 2016. p. 7-14.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Action recognition using the 3D dense microblock difference. / Voronin, V.; Pismenskova, M.; Zelensky, A.; Cen, Yigang; Nadykto, A.; Egiazarian, K. Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies II. SPIE, 2018. 108020O (Proceedings of SPIE; Vol. 10802).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Active scanner control on paper machines. / Raunio, Jukka-Pekka; Ritala, Risto.

In: Journal of Process Control, Vol. 72, 01.12.2018, p. 74-90.

Research output: Contribution to journal › Article › Scientific › peer-review

Adaptive and nonlinear control of discharge pressure for variable displacement axial piston pumps. / Koivumäki, Janne; Mattila, Jouni.

In: Journal of Dynamic Systems, Measurement and Control: Transactions of the ASME, Vol. 139, No. 10, 101008, 01.10.2017.

Research output: Contribution to journal › Article › Scientific › peer-review

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

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Additional lossless compression of JPEG images based on BPG. / Ponomarenko, Mykola; Miroshnichenko, Oleksandr; Lukin, Vladimir; Egiazarian, Karen.

Image Processing: Algorithms and Systems XVII. 2019. (IS and T International Symposium on Electronic Imaging Science and Technology).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A design tool for efficient mapping of multimedia applications onto heterogeneous platforms. / Shen, Chung Ching; Wu, Hsiang Huang; Sane, Nimish; Plishker, William; Bhattacharyya, Shuvra S.

Electronic Proceedings of the 2011 IEEE International Conference on Multimedia and Expo, ICME 2011. 2011. 6011952.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Adjoint-based optimization in the development of low-emission industrial boilers. / Kanellis, Georgios; Oksanen, Antti; Konttinen, Jukka.

In: Engineering Optimization, 2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Advanced boundary electrode modeling for tES and parallel tES/EEG. / Pursiainen, S.; Agsten, B.; Wagner, S.; Wolters, C. H.

In: IEEE Transactions on Neural Systems and Rehabilitation Engineering, Vol. 26, No. 1, 2017, p. 37-44.

Research output: Contribution to journal › Article › Scientific › peer-review

A dynamical quality model to continuously monitor software maintenance. / Lenarduzzi, Valentina; Stan, Alexandru Cristian; Taibi, Davide; Tosi, Davide; Venters, Gustavs.

Proceedings of the 11th European Conference on Information Systems Management, ECISM 2017. Academic Conferences and Publishing International Limited, 2017. p. 168-178.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

A framework for building behavioral models for design-stage failure identification using dimensional analysis. / Coatanéa, Eric; Ritola, Tuomas; Tumer, Irem Y.; Jensen, David.

Proceedings of the ASME Design Engineering Technical Conference. Vol. 5 AMER SOC MECHANICAL ENGINEERS, 2010. p. 591-601.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

A hand-held immaterial volumetric display. / Sand, Antti; Rakkolainen, Ismo.

Proceedings of SPIE-IS and T Electronic Imaging - Stereoscopic Displays and Applications XXV. Vol. 9011 SPIE, 2014. 90110Q.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

A heterosynaptic learning rule for neural networks. / Emmert-Streib, Frank.

In: International Journal of Modern Physics C, Vol. 17, No. 10, 10.2006, p. 1501-1520.

Research output: Contribution to journal > Article > Scientific > peer-review

A membrane external-cavity surface-emitting laser (MECSEL) with emission around 825 nm. / Phung, Hoy My; Kahle, Hermann; Penttinen, Jussi-Pekka; Rajala, Patrik; Ranta, Sanna; Guina, Mircea.

Vertical External Cavity Surface Emitting Lasers (VECSELs) X. ed. / Jennifer E. Hastie. SPIE, 2020. 112630H (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 11263).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

A method for predicting DCT-based denoising efficiency for grayscale images corrupted by AWGN and additive spatially correlated noise. / Rubel, Aleksey S.; Lukin, Vladimir V.; Egiazarian, Karen.

Proceedings of SPIE - The International Society for Optical Engineering. Vol. 9399 SPIE, 2015. 93990P.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

A Mixed Finite Element Method to Solve the EEG Forward Problem. / Vorwerk, J.; Engwer, C.; Pursiainen, S.; Wolters, C. H.

In: IEEE Transactions on Medical Imaging, Vol. 36, No. 4, 7731161, 01.04.2017, p. 930-941.

Research output: Contribution to journal > Article > Scientific > peer-review

A multi-agent approach for processing industrial enterprise data. / Mohammed, Wael M.; Ferrer, Borja Ramis; Martinez, Jose L.; Sanchis, Raquel; Andres, Beatriz; Agostinho, Carlos.

2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings. IEEE, 2018. p. 1209-1215.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

A multi-purpose automated vehicular platform with multi-radio connectivity capabilities. / Urama, Jani; Gerasimenko, Mikhail; Stusek, Martin; Masek, Pavel; Andreev, Sergey; Hosek, Jiri; Koucheryavy, Yevgeni.

2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018. IEEE, 2018. p. 1-7.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Analysis of a city-region from the knowledge perspective : Tampere, Finland. / Yigitcanlar, Tan; Lönnqvist, Antti; Salonius, Henna.

In: VINE, Vol. 44, No. 3, 05.08.2014, p. 445-466.

Research output: Contribution to journal > Article > Scientific > peer-review

Analytical model for magnetic anisotropy of non-oriented steel sheets. / Martin, Floran; Singh, Deepak; Belahcen, Anouar; Rasilo, Paavo; Haavisto, Ari; Arkkio, Antero.

In: COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, Vol. 34, No. 5, 07.09.2015, p. 1475-1488.

Research output: Contribution to journal › Article › Scientific › peer-review

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

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

An ensemble of visual features for Gaussians of local descriptors and non-binary coding for texture descriptors. / Nanni, Loris; Paci, Michelangelo; Brahnam, Sheryl; Ghidoni, Stefano.
In: Expert Systems with Applications, Vol. 82, 01.10.2017, p. 27-39.

Research output: Contribution to journal › Article › Scientific › peer-review

An enumeration-based model predictive control strategy for the cascaded H-bridge multilevel rectifier. / Karamanakos, Petros; Pavlou, Konstantinos; Manias, Stefanos.

In: IEEE Transactions on Industrial Electronics, Vol. 61, No. 7, 07.2014, p. 3480-3489.

Research output: Contribution to journal › Article › Scientific › peer-review

An image generator platform to improve cell tracking algorithms simulation of objects of various morphologies, kinetics and clustering. / Canelas, Pedro; Martins, Leonardo; Mora, André; S. Ribeiro, Andre; Fonseca, José.

SIMULTECH 2016 - Proceedings of the 6th International Conference on Simulation and Modeling Methodologies, Technologies and Applications. SCITEPRESS, 2016. p. 44-55.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A novel framework for design and implementation of adaptive stream mining systems. / Sudusinghe, Kishan; Won, Stephen; Van Der Schaar, Mihaela; Bhattacharyya, Shuvra.

2013 IEEE International Conference on Multimedia and Expo, ICME 2013. 2013. 6607565.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A novel stochastic channel modeling approach for mmWave systems with beamforming. / Pyattaev, Alexander; Johnsson, Kerstin; Andreev, Sergey; Koucheryavy, Yevgeni.

2016 IEEE 83rd Vehicular Technology Conference (VTC Spring) . IEEE, 2016.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Anthropometric clothing measurements from 3D body scans. / Yan, Song; Wirta, Johan; Kämäräinen, Joni-Kristian.

In: Machine Vision and Applications, Vol. 31, No. 1-2, 7, 2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Antroposeeni - A mixed reality game. / Luhtala, Matti; Karvonen, Tuomo; Pylväs, Jyrki; Ala-Kokko, Aki; Magica, Reina; Takeda, Yuko; Turunen, Markku.

ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference. Association for Computing Machinery, Inc, 2015. p. 211-213.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A perceptual quality metric for high-definition stereoscopic 3D video. / Battisti, F.; Carli, M.; Stramacci, A.; Boev, A.; Gotchev, A.

Image Processing: Algorithms and Systems XIII. SPIE, 2015. 939916 (SPIE Conference Proceedings; Vol. 9399).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A Portable Microscale Cell Culture System with Indirect Temperature Control. / Mäki, Antti Juhana; Verho, Jarmo; Kreutzer, Joose; Rynnänen, Tomi; Rajan, Dhanesh; Pekkanen-Mattila, Mari; Ahola, Antti; Hyttinen, Jari; Aalto-Setälä, Katriina; Leikkala, Jukka; Kallio, Pasi.

In: SLAS Technology, Vol. 23, No. 6, 01.12.2018, p. 566-579.

Research output: Contribution to journal › Article › Scientific › peer-review

Approximate robust output regulation of boundary control systems. / Humaloja, Jukka Pekka; Kurula, Mikael; Paunonen, Lassi.

In: IEEE Transactions on Automatic Control, Vol. 64, No. 6, 06.2019, p. 2210-2223.

Research output: Contribution to journal › Article › Scientific › peer-review

A Primal Neural Network for Online Equality-Constrained Quadratic Programming. / Chen, Ke; Zhang, Zhaoxiang.

In: Cognitive Computation, Vol. 10, No. 2, 2018, p. 381-388.

Research output: Contribution to journal › Article › Scientific › peer-review

A probability-based approach to modeling the risk of unauthorized propagation of information in on-line social networks. / Carminati, Barbara; Ferrari, Elena; Morasca, Sandro; Taibi, Davide.

CODASPY'11 - Proceedings of the 1st ACM Conference on Data and Application Security and Privacy. 2011. p. 51-61.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A Proxy-Based Solution for Asynchronous Telemedical Systems. / Rauti, Sampsa; Lahtiranta, Janne; Parisod, Heidi; Hyrynsalmi, Sami; Salanterä, Sanna; Aromaa, Minna Elisabeth; Smed, Jouni; Leppänen, Ville.

In: International Journal of E-health and Medical Communication, Vol. 8, No. 3, 5, 01.07.2017, p. 70-83.

Research output: Contribution to journal › Article › Scientific › peer-review

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

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Architectures and codecs for real-time light field streaming. / Kovács, Péter Tamás; Zare, Alireza; Balogh, Tibor; Bregovic, Robert; Gotchev, Atanas.

In: Journal of Imaging Science and Technology, Vol. 61, No. 1, 010403, 01.01.2017.

Research output: Contribution to journal › Article › Scientific › peer-review

A robust AMMI model for the analysis of genotype-by-environment data. / Rodrigues, Paulo C.; Monteiro, Andreia; Lourenço, Vanda M.

In: Bioinformatics, Vol. 32, No. 1, 01.07.2015, p. 58-66.

Research output: Contribution to journal › Article › Scientific › peer-review

Asterism : Decentralized file sharing application for mobile devices. / Heinisuo, Olli-Pekka; Lenarduzzi, Valentina; Taibi, Davide.

2019 7th IEEE International Conference on Mobile Cloud Computing, Services, and Engineering, MobileCloud 2019. IEEE, 2019. p. 38-47.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A survey on control of hydraulic robotic manipulators with projection to future trends. / Mattila, Jouni; Koivumäki, Janne; Caldwell, Darwin G.; Semini, Claudio.

In: IEEE - ASME Transactions on Mechatronics, Vol. 22, No. 2, 01.04.2017, p. 669-680.

Research output: Contribution to journal › Review Article › Scientific › peer-review

Asymmetric full-duplex with contiguous downlink carrier aggregation. / Korpi, Dani; Anttila, Lauri; Valkama, Mikko.

2016 IEEE 17th International Workshop on Signal Processing Advances in Wireless Communications (SPAWC). IEEE, 2016.

A system for real-time detection and tracking of vehicles from a single car-mounted camera. / Caraffi, Claudio; Vojir, Tomáš; Trefný, Jiří; Šochman, Jan; Matas, Jiří.
2012 15th International IEEE Conference on Intelligent Transportation Systems, ITSC 2012. 2012. p. 975-982 6338748.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A unifying perspective on proximity-based cellular-assisted mobile social networking. / Andreev, Sergey; Hosek, Jiri; Olsson, Thomas; Johnsson, Kerstin; Pyattaev, Alexander; Ometov, Aleksandr; Olshannikova, Ekaterina; Gerasimenko, Mikhail; Masek, Pavel; Koucheryavy, Yevgeni; Mikkonen, Tommi.
In: IEEE Communications Magazine, Vol. 54, No. 4, 01.04.2016, p. 108-116.
Research output: Contribution to journal › Article › Scientific › peer-review

Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech. / Räsänen, Okko; Seshadri, Shreyas; Karadayi, Julien; Riebling, Eric; Bunce, John; Cristia, Alejandrina; Metze, Florian; Casillas, Marisa; Rosemberg, Celia; Bergelson, Erika; Soderstrom, Melanie.
In: Speech Communication, Vol. 113, 01.10.2019, p. 63-80.
Research output: Contribution to journal › Article › Scientific › peer-review

AvanTomography : A compact module for positron emission mammography. / Us, D.; Moreno-Galera, A.; Nazari-Farsani, S.; Palovuori, K.; Kosola, H.; Zedda, T.; Ruotsalainen, U.
2015 IEEE International Symposium on Medical Measurements and Applications, MeMeA 2015 - Proceedings. IEEE, 2015. p. 52-57.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Avoiding anomalies when modeling a many-to-many relationship in a multidimensional database. / Thanisch, Peter; Lindell, Teppo; Nummenmaa, Jyrki; Nummenmaa, Timo.
BIR 2009 - 8th International Conference on Perspectives in Business Informatics Research. Kristianstad Academic Press, 2014.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Backshoring of production in the context of a small and open Nordic economy. / Heikkilä, Jussi; Martinsuo, Miia; Nenonen, Sanna.
In: Journal of Manufacturing Technology Management, Vol. 29, No. 4, 05.2018, p. 658-675.
Research output: Contribution to journal › Article › Scientific › peer-review

BACOM : In silico detection of genomic deletion types and correction of normal cell contamination in copy number data. / Yu, Guoqiang; Zhang, Bai; Bova, G. Steven; Xu, Jianfeng; Shih, Ie Ming; Wang, Yue.
In: Bioinformatics, Vol. 27, No. 11, btr183, 06.2011, p. 1473-1480.
Research output: Contribution to journal › Article › Scientific › peer-review

Bayes Forest : A data-intensive generator of morphological tree clones. / Potapov, Ilya; Järvenpää, Marko; Åkerblom, Markku; Raunonen, Pasi; Kaasalainen, Mikko.
In: GigaScience, Vol. 6, No. 10, gix079, 2017.
Research output: Contribution to journal › Article › Scientific › peer-review

Benchmarking DFT methods with small basis sets for the calculation of halogen-bond strengths. / Siiskonen, Antti; Priimägi, Arri.
In: Journal of Molecular Modeling, Vol. 23, No. 2, 50, 01.02.2017.
Research output: Contribution to journal › Article › Scientific › peer-review

Benchmarking of several disparity estimation algorithms for light field processing. / Zakeri, Faezeh Sadat; Bätz, Michel; Jaschke, Tobias; Keinert, Joachim; Chuchvara, Alexandra.
Fourteenth International Conference on Quality Control by Artificial Vision. ed. / Stephane Bazeille; Nicolas Verrier; Christophe Cudel. SPIE, IEEE, 2019. 111721C (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 11172).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Benefits of Positioning-Aided Communication Technology in High-Frequency Industrial IoT. / Lohan, Elena Simona; Koivisto, Mike; Galinina, Olga; Andreev, Sergey; Tölli, Antti; Destino, Giuseppe; Costa, Mário; Leppänen, Kari; Koucheryavy, Yevgeni; Valkama, Mikko.

In: IEEE Communications Magazine, Vol. 56, No. 12, 8535084, 14.11.2018, p. 142-148.

Research output: Contribution to journal › Article › Scientific › peer-review

Bio-inspired service management framework : Green data-centres case study. / Carroll, Raymond; Balasubramaniam, Sasitharan; Suzuki, Junichi; Lee, Chonho; Donnelly, William; Botvich, Dmitri.

In: International Journal of Grid and Utility Computing, Vol. 4, No. 4, 2013, p. 278-292.

Research output: Contribution to journal › Article › Scientific › peer-review

Bio-inspired service management framework : Green data-centres case study. / Carroll, Raymond; Balasubramaniam, Sasitharan; Botvich, Dmitri; Donnelly, William.

Proceedings - 25th IEEE International Conference on Advanced Information Networking and Applications Workshops, WAINA 2011. 2011. p. 226-231 5763678.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Biological principles for future Internet architecture design. / Balasubramaniam, Sasitharan; Leibnitz, Kenji; Lio, Pietro; Botvich, Dmitri; Murata, Masayuki.

In: IEEE Communications Magazine, Vol. 49, No. 7, 5936154, 07.2011, p. 44-52.

Research output: Contribution to journal › Article › Scientific › peer-review

Biomechanical performance of cranial implants with different thicknesses and material properties : A finite element study. / Marcián, Petr; Narra, Nathaniel; Borák, Libor; Chamrad, Jakub; Wolff, Jan.

In: Computers in Biology and Medicine, Vol. 109, 01.06.2019, p. 43-52.

Research output: Contribution to journal › Article › Scientific › peer-review

Bispectrum-based demodulation technique using triple-channel heterodyning of triplet-signal. / Naumenko, V.; Solodovnik, V.; Totsky, A.; Zelensky, A.; Astola, J.

2015 Second International Scientific-Practical Conference Problems of Infocommunications Science and Technology (PIC S&T). IEEE, 2015. p. 224-226.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Blind estimation of speckle variance in synthetic aperture radar images. / Abramova, V. V.; Kozhemiakin, R.; Abramov, S. K.; Lukin, V. V.; Zelensky, A. A.; Egiazarian, K.

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.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Blind estimation of white Gaussian noise variance in highly textured images. / Ponomarenko, Mykola; Gapon, Nikolay; Voronin, Viacheslav; Egiazarian, Karen.

Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

BM3D-HVS : Content-Adaptive denoising for improved visual quality. / Egiazarian, Karen; Danielyan, Aram; Ponomarenko, Nikolay; Foia, Alessandro; Ieremeiev, Oleg; Lukin, Vladimir.

Image Processing: Algorithms and Systems XV. 2017. p. 48-55 (Electronic Imaging).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Body area nanonetworks with molecular communications in nanomedicine. / Atakan, Baris; Akan, Ozgur B.; Balasubramaniam, Sasitharan.

In: IEEE Communications Magazine, Vol. 50, No. 1, 6122529, 01.2012, p. 28-34.

Research output: Contribution to journal › Article › Scientific › peer-review

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

Breaking the limits in urban video monitoring : Massive crowd sourced surveillance over vehicles. / Petrov, Vitaly; Andreev, Sergey; Gerla, Mario; Koucheryavy, Yevgeni.
In: IEEE Wireless Communications, Vol. 25, No. 5, 01.10.2018, p. 104-112.
Research output: Contribution to journal › Article › Scientific › peer-review

Brownfield Process : A method for modular product family development aiming for product configuration. / Pakkanen, Jarkko; Juuti, Tero; Lehtonen, Timo.
In: DESIGN STUDIES, Vol. 45B, 2016, p. 210-241.
Research output: Contribution to journal › Article › Scientific › peer-review

Building energy-efficiency interventions in North-East Europe : Effects on indoor environmental quality and public health. / Du, Liuliu; Prasauskas, Tadas; Leivo, Virpi; Turunen, Mari; Aaltonen, Anu; Kiviste, Mihkel; Martuzevicius, Dainius; Haverinen-Shaughnessy, Ulla.
Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate. International Society of Indoor Air Quality and Climate , 2014. p. 637-639.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Busting myths of electronic word of mouth : The relationship between customer ratings and the sales of mobile applications. / Hyrynsalmi, Sami; Seppänen, Marko; Aarikka-Stenroos, Leena; Suominen, Arho; Järveläinen, Jonna; Harkke, Ville.
In: Journal of Theoretical and Applied Electronic Commerce Research, Vol. 10, No. 2, 2015, p. 1-18.
Research output: Contribution to journal › Article › Scientific › peer-review

Caching-Aided Collaborative D2D Operation for Predictive Data Dissemination in Industrial IoT. / Orsino, Antonino; Kovalchukov, Roman; Samuylov, Andrey; Moltchanov, Dmitri; Andreev, Sergey; Koucheryavy, Yevgeni; Valkama, Mikko.
In: IEEE Wireless Communications, Vol. 25, No. 3, 01.06.2018, p. 50-57.
Research output: Contribution to journal › Article › Scientific › peer-review

Casual immersive viewing with smartphones. / Rakkolainen, Ismo; Raisamo, Roope; Turk, Matthew; Höllerer, Tobias; Palovuori, Karri.
AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM, 2016. p. 449-452.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Challenges and capabilities of conductive polymeric materials for electromechanical stimulation of stem cells : A case study. / Viehrig, Marlitt; Tuukkanen, Sampo; Kallio, Pasi.
2016 International Conference on Manipulation, Automation and Robotics at Small Scales, MARSS 2016. Institute of Electrical and Electronics Engineers Inc., 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Challenges and recommended practices for software architecting in global software development. / Sievi-Korte, Outi; Beecham, Sarah; Richardson, Ita.
In: Information and Software Technology, Vol. 106, 01.02.2019, p. 234-253.
Research output: Contribution to journal › Article › Scientific › peer-review

Characterization of charge in airborne fungal spores. / Reponen, Tiina; Saari, Sampo; Mensah-Attipoe, Jacob; Ukkonen, Ari; Veijalainen, Annamaria; Pasanen, Pertti; Keskinen, Jorma.
Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate. International Society of Indoor Air Quality and Climate , 2014. p. 359-361.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Characterization of the anisotropic deformation of the right ventricle during open heart surgery. / Soltani, A.; Lahti, J.; Järvelä, K.; Laurikka, J.; Kuokkala, V. T.; Hokka, M.
In: *COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING*, 2019.
Research output: Contribution to journal › Article › Scientific › peer-review

Characterizing rate limiting steps in transcription from RNA production times in live cells. / Häkkinen, Antti; Ribeiro, Andre S.
In: *Bioinformatics*, Vol. 32, No. 9, 01.05.2016, p. 1346-1352.
Research output: Contribution to journal › Article › Scientific › peer-review

Characterizing Resource Allocation Trade-Offs in 5G NR Serving Multicast and Unicast Traffic. / Samuylov, Andrey; Moltchanov, Dmitri; Kovalchukov, Roman; Pirmagomedov, Rustam; Gaidamaka, Yuliya; Andreev, Sergey; Koucheryavy, Yevgeni; Samouylov, Konstantin.
In: *IEEE Transactions on Wireless Communications*, Vol. 19, No. 5, 9003488, 01.05.2020, p. 3421-3434.
Research output: Contribution to journal › Article › Scientific › peer-review

Checking visual data flow programs with finite process models. / Nummenmaa, Jyrki; Marttila-Kontio, Maija; Nummenmaa, Timo.
13th Symposium on Programming Languages and Software Tools, SPLST 2013 - Proceedings. University of Szeged, 2013. p. 245-258.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Chip-to-package wireless power transfer and its application to mm-Wave antennas and monolithic radiometric receivers. / Aluigi, Luca; Thai, Trang T.; Tentzeris, Manos M.; Roselli, Luca; Alimenti, Federico.
RSW 2013 - 2013 IEEE Radio and Wireless Symposium - RWW 2013. 2013. p. 202-204 6486688.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Chromatographic studies of n-Propyl Propionate : Adsorption equilibrium, modelling and uncertainties determination. / Nogueira, Idelfonso B.R.; Faria, Rui P.V.; Requião, Reiner; Koivisto, Hannu; Martins, Márcio A.F.; Rodrigues, Alirio E.; Loureiro, José M.; Ribeiro, Ana M.
In: *Computers and Chemical Engineering*, Vol. 119, 02.11.2018, p. 371-382.
Research output: Contribution to journal › Article › Scientific › peer-review

Classification of large graphs by a local tree decomposition. / Emmert-Streib, Frank; Dehmert, Matthias; Kilian, Jürgen.
Proceedings of the 2005 International Conference on Data Mining, DMIN'05. 2005. p. 200-207.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Class-Specific Reference Discriminant Analysis With Application in Human Behavior Analysis. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis.
In: *IEEE Transactions on Human-Machine Systems*, Vol. 45, No. 3, 25.12.2014, p. 315-326.
Research output: Contribution to journal › Article › Scientific › peer-review

CNN-based edge filtering for object proposals. / Waris, Muhammad Adeel; Iosifidis, Alexandros; Gabbouj, Moncef.
In: *Neurocomputing*, Vol. 266, 02.06.2017, p. 631-640.
Research output: Contribution to journal › Article › Scientific › peer-review

Code ABC hackathons : Teachers as tinkerers. / Niemelä, Pia; Partanen, Tiina; Toivanen, Tero; Toikkanen, Tarmo; Kangas, Vuokko; Översti, Markus.
Digital Turn in Schools - Research, Policy, Practice: Proceedings of ICEM 2018 Conference. Springer International Publishing, 2019. p. 157-169 (Lecture Notes in Educational Technology).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Collaborative cloud-based management of home networks. / Silverajan, Bilhanan; Luoma, Juha-Pekka; Vajaranta, Markku; Itäpuro, Riku.
Proceedings of the 2015 IFIP/IEEE International Symposium on Integrated Network Management, IM 2015. IEEE, 2015. p. 786-789.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Color Constancy Convolutional Autoencoder. / Laakom, Firas; Raitoharju, Jenni; Iosifidis, Alexandros; Nikkanen, Jarno; Gabbouj, Moncef.
2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019. IEEE, 2019. p. 1085-1090 9002684.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Color-distribution similarity by information theoretic divergence for color images. / Murayama, Mizuki; Oguro, Daisuke; Kikuchi, Hisakazu; Huttunen, Heikki; Ho, Yo Sung; Shin, Jaeho.
2016 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference, APSIPA 2016. IEEE, 2017.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Combined local and global image enhancement algorithm. / Voronin, V.; Semenishchev, E.; Ponomarenko, M.; Agaian, S.
Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Combined no-reference IQA metric and its performance analysis. / Ieremeiev, Oleg; Lukin, Vladimir; Ponomarenko, Nikolay; Egiazarian, Karen.
Image Processing: Algorithms and Systems XVII. 2019. (IS and T International Symposium on Electronic Imaging Science and Technology).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Combining full-reference image visual quality metrics by neural network. / Lukin, Vladimir V.; Ponomarenko, Nikolay N.; Ieremeiev, Oleg; Egiazarian, Karen; Astola, Jaakko.
Proceedings of SPIE - The International Society for Optical Engineering. Vol. 9394 SPIE, 2015. 93940K.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

[COMMODE] a large-scale database of molecular descriptors using compounds from PubChem. / Dander, Andreas; Mueller, Laurin A J; Gallasch, Ralf; Pabinger, Stephan; Emmert-Streib, Frank; Graber, Armin; Dehmer, Matthias.
In: Source Code for Biology and Medicine, Vol. 8, No. 22, 13.11.2013.
Research output: Contribution to journal › Article › Scientific › peer-review

Communication challenges in high-density deployments of wearable wireless devices. / Pyattaev, Alexander; Johnsson, Kerstin; Andreev, Sergey; Koucheryavy, Yevgeni.
In: IEEE Wireless Communications, Vol. 22, No. 1, 01.02.2015, p. 12-18.
Research output: Contribution to journal › Article › Scientific › peer-review

Comparative analysis of tissue reconstruction algorithms for 3D histology. / Kartasalo, Kimmo; Latonen, Leena; Vihinen, Jorma; Visakorpi, Tapio; Nykter, Matti; Ruusuvuori, Pekka.
In: Bioinformatics, Vol. 34, No. 17, 01.09.2018, p. 3013-3021.
Research output: Contribution to journal › Article › Scientific › peer-review

Comparative evaluation of gene set analysis approaches for RNA-Seq data. / Rahmatallah, Yasir; Emmert-Streib, Frank; Glazko, Galina.
In: BMC Bioinformatics, Vol. 15, No. 1, 397, 05.12.2014.
Research output: Contribution to journal › Article › Scientific › peer-review

Comparison of Saltation, Amplitude Modulation, and a Hybrid Method of Vibrotactile Stimulation. / Raisamo, Jukka; Raisamo, Roope; Surakka, V.
In: IEEE Transactions on Haptics, Vol. 6, No. 4, 6517847, 10.2013, p. 517-521.
Research output: Contribution to journal › Article › Scientific › peer-review

Comparison of time metrics in programming. / Leinonen, Juho; Leppänen, Leo; Ihantola, Petri; Hellas, Arto.
ICER 2017 - Proceedings of the 2017 ACM Conference on International Computing Education Research. ACM, 2017. p. 200-208.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Complex-domain sparse imaging in terahertz pulse time-domain holography with balance detection. / Kulya, Maksim S.; Katkovnik, Vladimir; Egiazarian, Karen; Petrov, Nikolay V.
Terahertz, RF, Millimeter, and Submillimeter-Wave Technology and Applications XIII. ed. / Laurence P. Sadwick; Tianxin Yang. SPIE, 2020. 1127921 (Proceedings of SPIE; Vol. 11279).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Complex elevator system DSM-case for a DSM design sprint. / Niutanen, Valteri; Hölttä-Otto, Katja; Rahardjo, Andhikaputra; Stowe, Harold Mike; Helo, Petri; Pulkkinen, Antti.
Understand, Innovate, and Manage your Complex System! - Proceedings of the 19th International DSM Conference. The Design Society, 2017. p. 259-264.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Compression of signs of DCT coefficients for additional lossless compression of JPEG images. / Miroshnichenko, Oleksandr; Ponomarenko, Mykola; Lukin, Vladimir; Egiazarian, Karen.
Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Compressive strain measurement using RFID patch antenna sensors. / Cho, Chunhee; Yi, Xiaohua; Wang, Yang; Tentzeris, Manos M.; Leon, Roberto T.
Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2014. Vol. 9061 SPIE, 2014. 90610X.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Computational wavelength resolution for in-line lensless holography : Phase-coded diffraction patterns and wavefront group-sparsity. / Katkovnik, Vladimir; Shevkunov, Igor; Petrov, Nikolay V.; Egiazarian, Karen.
Digital Optical Technologies 2017. SPIE, 2017. 1033509 (Proceedings of SPIE; Vol. 10335).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Computation of Dynamic Polarizabilities and van der Waals Coefficients from Path-Integral Monte Carlo. / Tiihonen, Juha; Kylänpää, Ilkka; Rantala, Tapio T.
In: Journal of Chemical Theory and Computation, Vol. 14, 02.10.2018, p. 5750-5763.
Research output: Contribution to journal > Article > Scientific > peer-review

Condition monitoring of storage batteries in telecom power systems-crisp vs. soft computing methodology. / Suntio, T.; Waltari, P.; Gadoura, I.
SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications. ed. / Jarno Martikainen. IEEE, 1999. p. 97-102 (SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Configuring and visualizing the data resources in a cloud-based data collection framework. / Mohammed, Wael M.; Ferrer, Borja Ramis; Jose, L.; Lastra, Martinez; Aleixo, David; Agostinho, Carlos.
2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings. IEEE, 2018. p. 1201-1208.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Conformal mapping of the human scapula to generate dense landmark features. / Narra, Nathaniel; Fouefack, Jean Rassaire; Douglas, Tania; Mutsvangwa, Tinashe.
2018 3rd Biennial South African Biomedical Engineering Conference, SAIBMEC 2018. Institute of Electrical and Electronics Engineers Inc., 2018. p. 1-4 (2018 3rd Biennial South African Biomedical Engineering Conference, SAIBMEC 2018).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Continuous-wave optical parametric oscillators for mid-infrared spectroscopy. / Vainio, Markku.
Nonlinear Frequency Generation and Conversion: Materials and Devices XIX. ed. / Peter G. Schunemann; Kenneth L. Schepler. SPIE, 2020. 1126419 (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 11264).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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

Research output: Contribution to journal › Article › Scientific › peer-review

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

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Critical study of Newmark-scheme on manifold of finite rotations. / Mäkinen, J.

In: Computer Methods in Applied Mechanics and Engineering, Vol. 191, No. 8-10, 21.12.2001, p. 817-828.

Research output: Contribution to journal › Article › Scientific › peer-review

Customized dimensional analysis conceptual modelling framework for design optimization—a case study on the cross-flow micro turbine model. / Woldemariam, Endashaw Tesfaye; Coatanéa, Eric; Wang, G. Gary; Lemu, Hirpa G.; Wu, Di.
In: Engineering Optimization, Vol. 51, No. 7, 2019, p. 1168-1184.

Research output: Contribution to journal › Article › Scientific › peer-review

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

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Cyclic quantum walks : Photonic realization and decoherence analysis. / Nejdatsattari, F.; Zhang, Y.; Jayakody, M. N.; Bouchard, F.; Larocque, H.; Sit, A.; Fickler, R.; Cohen, E.; Karimi, E.

Advanced Optical Techniques for Quantum Information, Sensing, and Metrology. ed. / Philip R. Hemmer; Alan L. Migdall; Zameer Ul Hasan. SPIE, 2020. 1129503 (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 11295).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Data augmentation approaches for improving animal audio classification. / Nanni, Loris; Maguolo, Gianluca; Paci, Michelangelo.

In: Ecological Informatics, Vol. 57, 101084, 2020.

Research output: Contribution to journal › Article › Scientific › peer-review

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

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Deep p-Fibonacci scattering networks. / Battisti, F.; Carli, M.; De Paola, E.; Egiazarian, K.
Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Deliberate or Instinctive? Proactive and Reactive Coping for Technostress. / Pirkkalainen, Henri; Salo, Markus; Tarafdar, Monideepa; Makkonen, Markus.
In: Journal of Management Information Systems, Vol. 36, No. 4, 02.10.2019, p. 1179-1212.
Research output: Contribution to journal > Article > Scientific > peer-review

Dense Moving Fog for Intelligent IoT : Key Challenges and Opportunities. / Andreev, Sergey; Petrov, Vitaly; Huang, Kaibin; Lema, Maria A.; Dohler, Mischa.
In: IEEE Communications Magazine, Vol. 57, No. 5, 8648449, 01.05.2019, p. 34-41.
Research output: Contribution to journal > Article > Scientific > peer-review

Density functional theory study of transition metals doped B₈₀ fullerene. / Wang, Jianguang; Ma, Li; Liang, Yanhua; Gao, Meiling; Wang, Guanghou.
In: Journal of Theoretical and Computational Chemistry, Vol. 13, No. 6, 1450050, 22.09.2014.
Research output: Contribution to journal > Article > Scientific > peer-review

Depth map occlusion filling and scene reconstruction using modified exemplar-based inpainting. / Voronin, V. V.; Marchuk, V. I.; Fisunov, A. V.; Tokareva, S. V.; Egiazarian, K. O.
Image Processing: Algorithms and Systems XIII. SPIE, 2015. 93990S (SPIE Conference Proceedings; Vol. 9399).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Describing mobile devices as RESTful services for the end-users. / Ruokonen, Anna; Wu, Zhenli; Lu, Rui.
2016 IEEE International Conference on Mobile Services (MS). IEEE, 2016. p. 127-134.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Design and simulation of a slotted patch antenna sensor for wireless strain sensing. / Yi, Xiaohua; Cho, Chunhee; Cook, Benjamin; Wang, Yang; Tentzeris, Manos M.; Leon, Roberto T.
Nondestructive Characterization for Composite Materials, Aerospace Engineering, Civil Infrastructure, and Homeland Security 2013. Vol. 8694 2013. 86941J.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Design and synthesis for multimedia systems using the targeted dataflow interchange format. / Shen, Chung Ching; Wu, Shenpei; Sane, Nimish; Wu, Hsiang Huang; Plishker, William; Bhattacharyya, Shuvra S.
In: IEEE Transactions on Multimedia, Vol. 14, No. 3 PART1, 6172244, 2012, p. 630-640.
Research output: Contribution to journal > Article > Scientific > peer-review

Designing controllers with reduced order internal models. / Paunonen, Lassi.
In: IEEE Transactions on Automatic Control, Vol. 60, No. 3, 6826480, 01.03.2015, p. 775-780.
Research output: Contribution to journal > Article > Scientific > peer-review

Detailed Interference Analysis in Dense mmWave Systems Employing Dual-Polarized Antennas. / Solomitskii, Dmitrii; Petrov, Vitaly; Nikopour, Hosein; Akdeniz, Mustafa; Orhan, Oner; Himayat, Nageen; Talwar, Shilpa; Andreev, Sergey; Koucheryavy, Yevgeni.
2017 IEEE Globecom Workshops. IEEE, 2018. p. 1-6.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Detection of beat-to-beat intervals from wrist photoplethysmography in patients with sinus rhythm and atrial fibrillation after surgery. / Tarniceriu, Adrian; Harju, Jarkko; Vehkaoja, Antti; Parak, Jakob; Delgado-Gonzalo, Ricard; Renevey, Philippe; Yli-Hankala, Arvi; Korhonen, Ilkka.
2018 IEEE EMBS International Conference on Biomedical and Health Informatics, BHI 2018. IEEE, 2018. p. 133-136.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Detection of bubbles as concentric circular arrangements. / Strokina, Nataliya; Matas, Jiri; Eerola, Tuomas; Lensu, Lasse; Kälviäinen, Heikki.

In: Machine Vision and Applications, Vol. 27, No. 3, 04.2016, p. 387-396.

Research output: Contribution to journal › Article › Scientific › peer-review

Developing novel multimodal interaction techniques for touchscreen in-vehicle infotainment systems. / Farooq, Ahmed; Evreinov, Grigori; Raisamo, Roope; Mäkinen, Erno; Nukarinen, Tomi; Majeed, Atif Abdul.

ICOSST 2014 - 2014 International Conference on Open Source Systems and Technologies, Proceedings. Institute of Electrical and Electronics Engineers Inc., 2014. p. 32-42 7029317.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Development of an England-wide indoor overheating and air pollution model using artificial neural networks. / Symonds, Phil; Taylor, Jonathon; Chalabi, Zaid; Mavrogianni, Anna; Davies, Michael; Hamilton, Ian; Vardoulakis, Sotiris; Heaviside, Clare; Macintyre, Helen.

In: JOURNAL OF BUILDING PERFORMANCE SIMULATION, Vol. 9, No. 6, 01.11.2016, p. 606-619.

Research output: Contribution to journal › Article › Scientific › peer-review

Development of measurement instrument for visual qualities of graphical user interface elements (VISQUAL) : a test in the context of mobile game icons. / Jylhä, Henrietta; Hamari, Juho.

In: User Modeling and User-Adapted Interaction, 2020.

Research output: Contribution to journal › Article › Scientific › peer-review

DevOps in practice : A multiple case study of five companies. / Lwakatere, Lucy Ellen; Kilamo, Terhi; Karvonen, Teemu; Sauvola, Tanja; Heikkilä, Ville; Itkonen, Juha; Kuvaja, Pasi; Mikkonen, Tommi; Oivo, Markku; Lassenius, Casper.

In: Information and Software Technology, Vol. 114, 01.10.2019, p. 217-230.

Research output: Contribution to journal › Article › Scientific › peer-review

DGC-Net : Dense geometric correspondence network. / Melekhov, Iaroslav; Tiulpin, Aleksei; Sattler, Torsten; Pollefeys, Marc; Rahtu, Esa; Kannala, Juho.

2019 IEEE Winter Conference on Applications of Computer Vision, WACV 2019. IEEE, 2019. p. 1034-1042 (IEEE Winter Conference on Applications of Computer Vision).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Digging deeper into egocentric gaze prediction. / Tavakoli, Hamed R.; Rahtu, Esa; Kannala, Juho; Borji, Ali.

2019 IEEE Winter Conference on Applications of Computer Vision, WACV 2019. IEEE, 2019. p. 273-282 (IEEE Winter Conference on Applications of Computer Vision).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Digital predistortion for mitigating spurious emissions in spectrally agile radios. / Abdelaziz, Mahmoud; Fu, Zhu; Anttila, Lauri; Wyglinski, Alexander M.; Valkama, Mikko.

In: IEEE Communications Magazine, Vol. 54, No. 3, 01.03.2016, p. 60-69.

Research output: Contribution to journal › Article › Scientific › peer-review

Digital storytelling promoting twenty-first century skills and student engagement. / Niemi, Hannele; Multisilta, Jari.

In: Technology, Pedagogy and Education, Vol. 25, No. 4, 2016, p. 451-468.

Research output: Contribution to journal › Article › Scientific › peer-review

Dimensional analysis conceptual modeling supporting adaptable reasoning in simulation-based training. / Coatanea, Eric; Roca, Ric.

2018 13th System of Systems Engineering Conference, SoSE 2018. IEEE, 2018. p. 245-252.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Dimension reduction and decomposition using causal graph and qualitative analysis for aircraft concept design optimization. / Wu, Di; Coatanea, Eric; Wang, G. Gary.

43rd Design Automation Conference. The American Society of Mechanical Engineers ASME, 2017.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Distance-based human action recognition using optimized class representations. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis.

In: *Neurocomputing*, Vol. 161, 05.08.2015, p. 47-55.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Distant speech separation using predicted time-frequency masks from spatial features. / Pertilä, Pasi; Nikunen, Joonas.

In: *Speech Communication*, Vol. 68, 2015, p. 97-106.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

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

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Conference contribution](#) › [Scientific](#) › [peer-review](#)

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

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

DoGlycans-Tools for Preparing Carbohydrate Structures for Atomistic Simulations of Glycoproteins, Glycolipids, and Carbohydrate Polymers for GROMACS. / Danne, Reinis; Poojari, Chetan; Martinez-Seara, Hector; Rissanen, Sami; Lolicato, Fabio; Róg, Tomasz; Vattulainen, Ilpo.

In: *Journal of Chemical Information and Modeling*, Vol. 57, No. 10, 23.10.2017, p. 2401-2406.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Dots-on-the-fly electron beam lithography. / Isotalo, Tero J.; Niemi, Tapio.

SPIE Proceedings: Alternative Lithographic Technologies VIII. ed. / Christopher Bencher. Vol. 9777 SPIE, 2016. 97771E (Proceedings of SPIE).

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Conference contribution](#) › [Scientific](#) › [peer-review](#)

DropELM : Fast neural network regularization with Dropout and DropConnect. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis.

In: *Neurocomputing*, Vol. 162, 25.08.2015, p. 57-66.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

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

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Conference contribution](#) › [Scientific](#) › [peer-review](#)

Dynamic laser speckle metrology with binarization of speckle patterns. / Stoykova, Elena; Nazarova, Dimana; Berberova, Nataliya; Gotchev, Atanas; Ivanov, Branimir; Mateev, Georgy.

19th International Conference and School on Quantum Electronics: Laser Physics and Applications. SPIE, 2017. 102260R (Proceedings of SPIE; Vol. 10226).

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Conference contribution](#) › [Scientific](#) › [peer-review](#)

Dynamic response to process disturbances—A comparison between TMB/SMB models in transient regime. / Nogueira, Idelfonso B.R.; Ribeiro, Ana M.; Rodrigues, Alirio E.; Loureiro, José M.

In: *Computers and Chemical Engineering*, Vol. 99, 2017, p. 230-244.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Dynamic social trust associations over d2d communications : An implementation perspective. / Urama, Jani; Olshannikova, Ekaterina; Ometov, Aleksandr; Masek, Pavel; Andreev, Sergey; Olsson, Thomas; Hosek, Jiri; Niutanen, Jussi; Koucheryavy, Yevgeni; Mikkonen, Tommi.

2016 IEEE International Conference on Mobile Services (MS). IEEE, 2016. p. 186-189.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

DYNAMO sound engine - Exploring the aesthetics of dynamic sound interactions. / Luhtala, Matti; Heimonen, Tomi; Mäkelä, Ville; Keskinen, Tuuli; Turunen, Markku; Saarinen, Santeri.

MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc, 2014. p. 159-166.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Effective variable switching point predictive current control for ac low-voltage drives. / Stolze, Peter; Karamanakos, Petros; Kennel, Ralph; Manias, Stefanos; Endisch, Christian.

In: International Journal of Control, Vol. 88, No. 7, 03.07.2015, p. 1366-1378.

Research output: Contribution to journal › Article › Scientific › peer-review

Effect of feeder cable's phase tolerance on the first sidelobe level of base station antenna. / He, Yejun; Pan, Zhengzheng; Yang, Jie; Sun, Guiyuan; Tentzeris, Manos M.

IWCMC 2014 - 10th International Wireless Communications and Mobile Computing Conference. Institute of Electrical and Electronics Engineers Inc., 2014. p. 1022-1026 6906495.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Effect of paint baking treatment on the properties of press hardened boron steels. / Järvinen, Henri; Honkanen, Mari; Järvenpää, Martti; Peura, Pasi.

In: Journal of Materials Processing Technology, Vol. 252, 2018, p. 90-104.

Research output: Contribution to journal › Article › Scientific › peer-review

Effect of surfactant type and sonication energy on the electrical conductivity properties of nanocellulose-CNT nanocomposite films. / Siljander, Sanna; Keinänen, Pasi; Rätty, Anna; Ramakrishnan, Karthik Ram; Tuukkanen, Sampo; Kunnari, Vesa; Harlin, Ali; Vuorinen, Jyrki; Kanerva, Mikko.

In: International Journal of Molecular Sciences, Vol. 19, No. 6, 1819, 20.06.2018.

Research output: Contribution to journal › Article › Scientific › peer-review

Effects of blockage in deploying mmWave drone base stations for 5g networks and beyond. / Gapeyenko, Margarita; Bor-Yaliniz, Irem; Andreev, Sergey; Yanikomeroglu, Halim; Koucheryavy, Yevgeni.

2018 IEEE International Conference on Communications Workshops. IEEE, 2018. p. 1-6.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Effects of Heterogeneous Mobility on D2D-and Drone-Assisted Mission-Critical MTC in 5G. / 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.

In: IEEE Communications Magazine, Vol. 55, No. 2, 01.02.2017, p. 79-87.

Research output: Contribution to journal › Article › Scientific › peer-review

Effects of percutaneous transluminal angioplasty of superficial femoral artery on photoplethysmographic pulse transit times. / Peltokangas, Mikko; Suominen, Velipekka; Vakhitov, Damir; Korhonen, Janne; Verho, Jarmo; Mattila, Ville M.; Ronsi, Pekka; Lekkala, Jukka; Vehkaoja, Antti; Oksala, Niku.

In: IEEE Journal of Biomedical and Health Informatics, Vol. 23, No. 3, 05.2019, p. 1058-1065.

Research output: Contribution to journal › Article › Scientific › peer-review

Efficient coding of 360-degree pseudo-cylindrical panoramic video for virtual reality applications. / Youvalari, Ramin Ghaznavi; Aminlou, Alireza; Hannuksela, Miska M.; Gabbouj, Moncef.

2016 IEEE International Symposium on Multimedia (ISM). IEEE, 2017. p. 525-528.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Elastic image registration for guiding focal laser ablation of prostate cancer : Preliminary results. / Makni, Nasr; Puech, Philippe; Colin, Pierre; Azzouzi, Abdelrahmene; Mordon, Serge; Betrouni, Nacim.

In: Computer Methods and Programs in Biomedicine, Vol. 108, No. 1, 10.2012, p. 213-223.

Research output: Contribution to journal › Article › Scientific › peer-review

Elemental and mixed actinide dioxides : An ab initio study. / Ma, Li; Atta-Fynn, Raymond; Ray, Asok K.
In: Journal of Theoretical and Computational Chemistry, Vol. 11, No. 3, 06.2012, p. 611-629.

Research output: Contribution to journal › Article › Scientific › peer-review

Elementary math to close the digital skills gap. / Niemelä, Pia; Valmari, Antti.

CSEDU 2018 - Proceedings of the 10th International Conference on Computer Supported Education. Vol. 2
SCITEPRESS, 2018. p. 154-165.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Email intensity, productivity and control in the knowledge worker's performance on the desktop. / Franssila, Heljä;
Okkonen, Jussi; Savolainen, Reijo.

MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business,
Management, Content and Services". Association for Computing Machinery, Inc, 2014. p. 19-22.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Empirical Effects of Dynamic Human-Body Blockage in 60 GHz Communications. / Slezak, Christopher; Semkin, Vasili;
Andreev, Sergey; Koucheryavy, Yevgeni; Rangan, Sundeeep.

In: IEEE Communications Magazine, Vol. 56, No. 12, 01.12.2018, p. 60-66.

Research output: Contribution to journal › Article › Scientific › peer-review

Employing a multi-Objective robust optimisation method for healthy and low-energy dwelling design in Delhi, India. / Nix,
Emily; Das, Payel; Taylor, Jonathon; Davies, Michael.

Proceedings of the 2014 Building Simulation and Optimization Conference. 2015. p. 2093-2100.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Employing Knowledge on Causal Relationship to Assist Multidisciplinary Design Optimization. / Wu, Di; Coatanea, Eric;
Wang, G. Gary.

In: Journal of Mechanical Design, Transactions of the ASME, Vol. 141, No. 4, 041402, 04.2019.

Research output: Contribution to journal › Article › Scientific › peer-review

Empowering Heterogeneous Communication Data Links in General Aviation through mmWave Signals. / Wang, Wenbo;
Talvitie, Jukka; Adamova, Eva Josth; Fath, Thilo; Korenciak, Lubos; Valkama, Mikko; Lohan, Elena Simona.

In: IEEE Wireless Communications, Vol. 26, No. 6, 8926332, 06.12.2019, p. 164-171.

Research output: Contribution to journal › Article › Scientific › peer-review

Emptiness problems for distributed automata. / Kuusisto, Antti; Reiter, Fabian.

In: Information and Computation, 2019.

Research output: Contribution to journal › Article › Scientific › peer-review

Energy cooperation for throughput optimization based on save-then-transmit protocol in wireless communication system. /
Dai, Cui-Qin; Li, Fu-Jia; Renfors, Markku.

In: Eurasip Journal on Wireless Communications and Networking, Vol. 2015, No. 1, 119, 26.12.2015.

Research output: Contribution to journal › Article › Scientific › peer-review

Energy Efficiency Maximization of Full-Duplex Two-Way Relay with Non-Ideal Power Amplifiers and Non-Negligible Circuit Power. / Cui, Qimei; Zhang, Yuhao; Ni, Wei; Valkama, Mikko; Jantti, Riku.

In: IEEE Transactions on Wireless Communications, Vol. 16, No. 9, 01.09.2017, p. 6264-6278.

Research output: Contribution to journal › Article › Scientific › peer-review

Energy Efficiency of Multi-Radio Massive Machine-Type Communication (MR-MMTC) : Applications, Challenges, and Solutions. / Mikhaylov, Konstantin; Petrov, Vitaly; Gupta, Rohit; Lema, Maria A.; Galinina, Olga; Andreev, Sergey;
Koucheryavy, Yevgeni; Valkama, Mikko; Pouttu, Ari; Dohler, Mischa.

In: IEEE Communications Magazine, Vol. 57, No. 6, 8694791, 01.06.2019, p. 100-106.

Research output: Contribution to journal › Article › Scientific › peer-review

Energy-efficient and high-precision control of hydraulic robots. / Koivumäki, Janne; Zhu, Wen Hong; Mattila, Jouni.
In: Control Engineering Practice, Vol. 85, 01.04.2019, p. 176-193.

Research output: Contribution to journal › Article › Scientific › peer-review

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

Research output: Contribution to journal › Article › Scientific › peer-review

Ergodic Capacity Analysis of Wireless Transmission over Generalized Multipath/Shadowing Channels. / Sofotasios, Paschalis C.; Yoo, Seong Ki; Muhaidat, Sami; Cotton, Simon L.; Matthaiou, Michail; Valkama, Mikko; Karagiannidis, George K.

2018 IEEE 87th Vehicular Technology Conference. IEEE, 2018. p. 1-5.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Error analysis of NOMA-based user cooperation with SWIPT. / Li, Suyue; Bariah, Lina; Muhaidat, Sami; Sofotasios, Paschalis; Liang, Jie; Wang, Anhong.

Proceedings - 15th Annual International Conference on Distributed Computing in Sensor Systems, DCOSS 2019. IEEE, 2019. p. 507-513.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Estimation of additional losses due to random contacts at the edges of stator of an electrical machine. / Shah, Sahas Bikram; Rasilo, Paavo; Belahcen, Anouar; Arkkio, Antero.

In: COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, Vol. 34, No. 5, 07.09.2015, p. 1501-1510.

Research output: Contribution to journal › Article › Scientific › peer-review

Estimation of GFP-tagged RNA numbers from temporal fluorescence intensity data. / Häkkinen, Antti; Ribeiro, Andre S.
In: Bioinformatics, Vol. 31, No. 1, 01.01.2015, p. 69-75.

Research output: Contribution to journal › Article › Scientific › peer-review

Evaluating a Future Remote Control Environment with an Experience-Driven Science Fiction Prototype. / Kymalainen, Tiina; Perala, Pii; Hakulinen, Jaakko; Heimonen, Tomi; James, Jobin; Pera, Juha.

Proceedings - 2015 International Conference on Intelligent Environments, IE 2015. Institute of Electrical and Electronics Engineers Inc., 2015. p. 81-88 7194274.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Evaluation of effectiveness of the stickgrip device for detecting the topographic heights on digital maps. / Evreinova, Tatiana V.; Evreinov, Grigori; Raisamo, Roope.

In: INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND APPLICATIONS, Vol. 9, No. 3, 2012, p. 61-76.

Research output: Contribution to journal › Article › Scientific › peer-review

Experimental analysis on the turning of aluminum alloy 7075 based on Taguchi method and artificial neural network. / Joshy, Arjun; Dsouza, Royson; Muthirulan, Veerakumar; Sachidananda, Krishnamurthy H.

In: Journal Europeen des Systemes Automatisees, Vol. 52, No. 5, 2019, p. 429-437.

Research output: Contribution to journal › Article › Scientific › peer-review

Experimental study of bispectrum-based encoding in radio communication system. / Naumenko, V. V.; Solodovnik, V. F.; Totsky, A. V.; Zelensky, A. A.; Astola, J. T.

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.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Experimenting traditional and modern reliability models in a 3-years european software project. / Tosi, Davide; Lenarduzzi, Valentina; Morasca, Sandro; Taibi, Davide.

Proceedings of the 11th European Conference on Information Systems Management, ECISM 2017. Academic Conferences and Publishing International Limited, 2017. p. 304-314.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Exploiting RSS measurements among neighbouring devices : A matter of trust. / Rosa, Francescantonio Della; Paakki, Tommi; Nurmi, Jari; Pelosi, Mauro.

2013 International Conference on Indoor Positioning and Indoor Navigation, IPIN 2013. IEEE COMPUTER SOCIETY PRESS, 2013.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Exploiting suppliers' potential in construction innovations. / Sariola, Rami.

2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings. IEEE, 2018. p. 678-684.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Exploring synergy between communications, caching, and computing in 5G-grade deployments. / Andreev, Sergey; Galinina, Olga; Pyattaev, Alexander; Hosek, Jiri; Masek, Pavel; Yanikomeroglu, Halim; Koucheryavy, Yevgeni.

In: IEEE Communications Magazine, Vol. 54, No. 8, 01.08.2016, p. 60-69.

Research output: Contribution to journal › Article › Scientific › peer-review

Extreme learning machine based supervised subspace learning. / Iosifidis, Alexandros.

In: Neurocomputing, Vol. 167, 2015, p. 158-164.

Research output: Contribution to journal › Article › Scientific › peer-review

Fabrication and characterization of broadband superluminescent diodes for 2 μm wavelength. / Zia, Nouman; Viheriälä, Jukka; Koskinen, Riku; Koskinen, Mervi; Suomalainen, Soile; Guina, Mircea.

Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XX. SPIE, 2016. 97680Q (Proceedings of SPIE; Vol. 9768).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Face typing : Vision-based perceptual interface for hands-free text entry with a scrollable virtual keyboard. / Gizatdinova, Yulia; Spakov, Öleg; Surakka, Veikko.

2012 IEEE Workshop on the Applications of Computer Vision, WACV 2012. 2012. p. 81-87 6162997.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Face verification and recognition for digital forensics and information security. / Amato, Giuseppe; Falchi, Fabrizio; Gennaro, Claudio; Massoli, Fabio Valerio; Passalis, Nikolaos; Tefas, Anastasios; Trivilini, Alessandro; Vairo, Claudio.

7th International Symposium on Digital Forensics and Security, ISDFS 2019. ed. / Asaf Varol; Murat Karabatak; Cihan Varol; Sevginur Teke. IEEE, 2019.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Fast Water Simulation Methods for Games. / Kellomäki, Timo.

In: Computers in Entertainment, Vol. 16, No. 1, 2, 01.12.2017.

Research output: Contribution to journal › Article › Scientific › peer-review

Fault tolerant control architecture design for mobile manipulation in scientific facilities. / M. Aref, Mohammad; Oftadeh, Reza; Ghabcheloo, Reza; Mattila, Jouni.

In: international Journal of Advanced Robotic Systems, Vol. 12, No. 4, 29.01.2015.

Research output: Contribution to journal › Article › Scientific › peer-review

Fault tolerant machine learning for nanoscale cognitive radio. / Pajarinen, Joni; Peltonen, Jaakko; Uusitalo, Mikko A.

In: Neurocomputing, Vol. 74, No. 5, 02.2011, p. 753-764.

Research output: Contribution to journal › Article › Scientific › peer-review

Feasibility characterization of cryptographic primitives for constrained (wearable) IoT devices. / Ometov, Aleksandr; Masek, Pavel; Malina, Lukas; Florea, Roman; Hosek, Jiri; Andreev, Sergey; Hajny, Jan; Niutanen, Jussi; Koucheryavy, Yevgeni.

IEEE International Conference on Pervasive Computing and Communication Workshops, PerCom Workshops 2016. IEEE, 2016.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Fifty years of graph matching, network alignment and network comparison. / Emmert-Streib, Frank; Dehmer, Matthias; Shi, Yongtang.

In: Information Sciences, Vol. 346-347, 10.06.2016, p. 180-197.

Research output: Contribution to journal › Article › Scientific › peer-review

FinnForest dataset : A forest landscape for visual SLAM. / Ali, Ihtisham; Durmush, Ahmed; Suominen, Olli; Yli-Hietanen, Jari; Peltonen, Sari; Collin, Jussi; Gotchev, Atanas.

In: ROBOTICS AND AUTONOMOUS SYSTEMS, Vol. 132, 103610, 2020.

Research output: Contribution to journal › Article › Scientific › peer-review

First-principles data set of 45,892 isolated and cation-coordinated conformers of 20 proteinogenic amino acids. / Ropo, Matti; Schneider, Markus; Baldauf, Carsten; Blum, Volker.

In: Scientific Data, Vol. 3, 160009, 16.02.2016.

Research output: Contribution to journal › Article › Scientific › peer-review

Flow-bounded trajectory-scaling algorithm for hydraulic robotic manipulators. / Lampinen, Santeri; Niemi, Jouni; Mattila, Jouni.

2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020. IEEE, 2020. p. 619-624 (IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Focusing on user experience and business models in startups : Investigation of two-dimensional value creation. /

Hokkanen, Laura; Xu, Yueqiang; Väänänen, Kaisa.

AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM, 2016. p. 59-67.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Focus model for metric depth estimation in standard plenoptic cameras. / Pertuz, Said; Pulido-Herrera, Edith; Kämäräinen, Joni-Kristian.

In: ISPRS Journal of Photogrammetry and Remote Sensing, Vol. 144, 01.10.2018, p. 38-47.

Research output: Contribution to journal › Article › Scientific › peer-review

Forward simulation and inverse dipole localization with the lowest order Raviart - Thomas elements for electroencephalography. / Pursiainen, S.; Sorrentino, A.; Campi, C.; Piana, M.

In: Inverse Problems, Vol. 27, No. 4, 045003, 04.2011.

Research output: Contribution to journal › Article › Scientific › peer-review

Framework for optimization and scheduling of a copper production plant. / Suominen, Olli; Mörsky, Ville; Ritala, Risto; Vilkkö, Matti.

26th European Symposium on Computer Aided Process Engineering, 2016. Vol. 38 Elsevier Science B.V., 2016. p. 1243-1248 (Computer Aided Chemical Engineering).

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

From monolithic systems to microservices : A decomposition framework based on process mining. / Taibi, Davide; Systä, Kari.

CLOSER 2019 - Proceedings of the 9th International Conference on Cloud Computing and Services Science. ed. / Donald Ferguson; Victor Mendez Munoz; Markus Helfert; Claus Pahl. SCITEPRESS, 2019. p. 153-164.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Full-duplex mobile device : Pushing the limits. / Korpi, Dani; Tamminen, Joose; Turunen, Matias; Huusari, Timo; Choi, Yang Seok; Anttila, Lauri; Talwar, Shilpa; Valkama, Mikko.

In: IEEE Communications Magazine, Vol. 54, No. 9, 01.09.2016, p. 80-87.

Research output: Contribution to journal › Article › Scientific › peer-review

Full-reference metrics multidistortional analysis. / Ieremeiev, Oleg; Lukin, Vladimir; Ponomarenko, Nikolay; Egiazarian, Karen.

Image Processing: Algorithms and Systems XV. 2017. p. 27-35 (Electronic Imaging).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Functional and genetic analysis of the colon cancer network. / Emmert-Streib, Frank; de Matos Simoes, Ricardo; Glazko, Galina; McDade, Simon; Haibe-Kains, Benjamin; Holzinger, Andreas; Dehmer, Matthias; Campbell, Frederick.

In: BMC Bioinformatics, Vol. 15, No. Suppl 6, S6, 2014.

Research output: Contribution to journal › Article › Scientific › peer-review

Future of Ultra-Dense Networks Beyond 5G : Harnessing Heterogeneous Moving Cells. / Andreev, Sergey; Petrov, Vitaly; Dohler, Mischa; Yanikomeroglu, Halim.

In: IEEE Communications Magazine, Vol. 57, No. 6, 8722593, 01.06.2019, p. 66-92.

Research output: Contribution to journal › Article › Scientific › peer-review

Games and energy : Profiling power usage during play. / Salmela, Jussi Matti; Thanisch, Peter; Sotamaa, Olli; Niemi, Tapio.

MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc, 2014. p. 192-199.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Game-theoretic semantics for ATL⁺ with applications to model checking. / Goranko, Valentin; Kuusisto, Antti; Rönholm, Raine.

In: Information and Computation, 2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Gamification, quantified-self or social networking? Matching users' goals with motivational technology. / Hamari, Juho; Hassan, Lobna; Dias, Antonio.

In: User Modeling and User-Adapted Interaction, Vol. 28, No. 1, 2018, p. 35–74.

Research output: Contribution to journal › Article › Scientific › peer-review

Gathering useful programming data; Analysis and insights from real-time collaborative editing. / Rantala, M.; Soini, J.; Kilamo, T.

2015 38th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2015 - Proceedings. The Institute of Electrical and Electronics Engineers, Inc., 2015. p. 229-234 7160270.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Generic platform for manufacturing execution system functions in knowledge-driven manufacturing systems. /

Mohammed, Wael M.; Ramis Ferrer, Borja; Iarovyi, Sergii; Negri, Elisa; Fumagalli, Luca; Lobov, Andrei; Martinez Lastra, Jose L.

In: International Journal of Computer Integrated Manufacturing, 04.03.2018, p. 1-13.

Research output: Contribution to journal › Article › Scientific › peer-review

Gene set analysis for self-contained tests : Complex null and specific alternative hypotheses. / Rahmatallah, Y.; Emmert-Streib, F.; Glazko, G.

In: Bioinformatics, Vol. 28, No. 23, 12.2012, p. 3073-3080.

Research output: Contribution to journal › Article › Scientific › peer-review

Gene Sets Net Correlations Analysis (GSNCA) : A multivariate differential coexpression test for gene sets. / Rahmatallah, Yasir; Emmert-Streib, Frank; Glazko, Galina.

In: Bioinformatics, Vol. 30, No. 3, 01.02.2014, p. 360-368.

Research output: Contribution to journal › Article › Scientific › peer-review

Global information processing in gene networks : Fault tolerance. / Emmert-Streib, Frank; Dehmer, Matthias.

Proceedings of the Bio-Inspired Models of Network, Information, and Computing Systems, Bionetics 2007. 2007. p. 326-329 4610138.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Graph based representation and analyses for conceptual stages. / Coatanéa, Eric; Nonsiri, Sarayut; Christophe, Francois; Mokammel, Faisal.

34th Computers and Information in Engineering Conference. Vol. 1A The American Society of Mechanical Engineers ASME, 2014.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Graph Embedded Extreme Learning Machine. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis.

In: IEEE Transactions on Cybernetics, Vol. 46, No. 1, 2016, p. 311 - 324.

Research output: Contribution to journal › Article › Scientific › peer-review

Graph measures with high discrimination power revisited : A random polynomial approach. / Dehmer, Matthias; Chen, Zengqiang; Emmert-Streib, Frank; Shi, Yongtang; Tripathi, Shailesh.

In: Information Sciences, Vol. 467, 01.10.2018, p. 407-414.

Research output: Contribution to journal › Article › Scientific › peer-review

Green (In,Ga,Al)P-GaP light-emitting diodes grown on high-index GaAs surfaces. / 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.

Proceedings of SPIE: Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XIX. Vol. 9383 SPIE, 2015. 93830E.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

GSAR : Bioconductor package for Gene Set analysis in R. / Rahmatallah, Yasir; Zybailov, Boris; Emmert-Streib, Frank; Glazko, Galina.

In: BMC Bioinformatics, Vol. 18, No. 1, 61, 24.01.2017.

Research output: Contribution to journal › Article › Scientific › peer-review

>8W GaInNAs VECSEL emitting at 615 nm. / Leinonen, Tomi; Penttinen, Jussi Pekka; Korpijärvi, Ville Markus; Kantola, Emmi; Guina, Mircea.

Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) V. Vol. 9349 SPIE, 2015. 934909.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Guest editorial introduction to the focused section on design and control of hydraulic robots. / Mattila, J.; Semini, C.; Moon, H.; Buchli, J.; Hyon, S.; Li, P. Y.; Yao, B.

In: IEEE - ASME Transactions on Mechatronics, Vol. 22, No. 2, 01.04.2017, p. 585-588.

Research output: Contribution to journal › Editorial › Scientific

Guest Editorial Special Issue on Multimedia Big Data in Internet of Things. / Ma, Huadong; Yu, Shui; Gabbouj, Moncef; Mueller, Peter.

In: IEEE Internet of Things Journal, Vol. 5, No. 5, 8534720, 10.2018, p. 3405-3407.

Research output: Contribution to journal › Editorial › Scientific

Guest editorial special issue on the internet of nano things. / Balasubramaniam, Sasitharan; Jornet, Josep Miquel; Pierobon, Massimiliano; Koucheryavy, Yevgeni.

In: IEEE Internet of Things Journal, Vol. 3, No. 1, 01.02.2016, p. 1-3.

Research output: Contribution to journal › Article › Scientific

Hand gesture-based on-line programming of industrial robot manipulators. / Sylari, Antonios; Ferrer, Borja Ramis; Lastra, Jose L. Martinez.

2019 IEEE 17th International Conference on Industrial Informatics, INDIN 2019. IEEE, 2019. p. 827-834 (IEEE International Conference on Industrial Informatics (INDIN)).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Haptic user interface enhancement system for touchscreen based interaction : A novel system for multimodal interaction with touchscreen interfaces. / Farooq, Ahmed; Evreinov, Grigori; Raisamo, Roope; Majeed, Atif Abdul.

ICOSST 2014 - 2014 International Conference on Open Source Systems and Technologies, Proceedings. Institute of Electrical and Electronics Engineers Inc., 2014. p. 25-31 7029316.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Hardware-in-the-loop platform for testing autonomous vehicle control algorithms. / Heikkinen, Jani Erik; Gafurov, Salimzhan; Kopylov, Sergey; Minav, Tatiana; Grebennikov, Sergey; Kurbanov, Artur.

Proceedings - 12th International Conference on the Developments in eSystems Engineering, DeSE 2019. ed. / Dhiya Al-Jumeily; Jade Hind; Jamila Mustafina; Assem Al-Hajj; Abir Hussain; Evgeni Magid; Hissam Tawfik. IEEE, 2019. p. 906-911 9073320 (International Conference on Developments in eSystems Engineering, DeSE).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Hermitian normalized Laplacian matrix for directed networks. / Yu, Guihai; Dehmer, Matthias; Emmert-Streib, Frank; Jodlbauer, Herbert.

In: Information Sciences, Vol. 495, 01.08.2019, p. 175-184.

Research output: Contribution to journal > Article > Scientific > peer-review

Hierarchical coordination of periodic genes in the cell cycle of *Saccharomyces cerevisiae*. / Emmert-Streib, Frank; Dehmer, Matthias.

In: BMC Systems Biology, Vol. 3, 76, 20.07.2009.

Research output: Contribution to journal > Article > Scientific > peer-review

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. / 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.

In: JALA: JOURNAL OF LABORATORY AUTOMATION, Vol. 17, No. 4, 2012, p. 255-265.

Research output: Contribution to journal > Article > Scientific > peer-review

Highly dynamic spectrum management within licensed shared access regulatory framework. / Ponomarenko-Timofeev, Aleksei; Pyattaev, Alexander; Andreev, Sergey; Koucheryavy, Yevgeni; Mueck, Markus; Karls, Ingolf.

In: IEEE Communications Magazine, Vol. 54, No. 3, 01.03.2016, p. 100-109.

Research output: Contribution to journal > Article > Scientific > peer-review

Highly-efficient Ho:KY(WO₄)₂ thin-disk lasers at 2.06 μm . / Mateos, Xavier; Loiko, Pavel; Lamrini, Samir; Scholle, Karsten; Fuhrberg, Peter; Suomalainen, Soile; Härkönen, Antti; Guina, Mircea; Vatnik, Sergei; Vedin, Ivan; Aguiló, Magdalena; Diáz, Francesc; Wang, Yicheng; Griebner, Uwe; Petrov, Valentin.

Pacific-Rim Laser Damage 2018: Optical Materials for High-Power Lasers. SPIE, IEEE, 2018. 107130J (Proceedings of SPIE; Vol. 10713).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Highly unique network descriptors based on the roots of the permanent polynomial. / Dehmer, Matthias; Emmert-Streib, Frank; Hu, Bo; Shi, Yongtang; Stefu, Monica; Tripathi, Shailesh.

In: Information Sciences, Vol. 408, 01.10.2017, p. 176-181.

Research output: Contribution to journal > Article > Scientific > peer-review

High-performance SIMD implementation of the lattice-Boltzmann method on the Xeon Phi processor. / Robertsén, Fredrik; Mattila, Keijo; Westerholm, Jan.

In: Concurrency Computation, Vol. 31, No. 13, e5072, 10.07.2019.

Research output: Contribution to journal > Article > Scientific > peer-review

High-power 1550 nm tapered DBR lasers fabricated using soft UV-nanoimprint lithography. / Viheriälä, Jukka; Aho, Antti T.; Mäkelä, Jaakko; Salmi, Joel; Virtanen, Heikki; Leinonen, Tomi; Dumitrescu, Mihail; Guina, Mircea.

High-Power Diode Laser Technology and Applications XIV. SPIE, 2016. 97330Q (SPIE Conference Proceedings; Vol. 9733).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

High surface quality welding of aluminum using adjustable ring-mode fiber laser. / Maina, Martin Ruthandi; Okamoto, Yasuhiro; Okada, Akira; Närhi, Matti; Kangastupa, Jarno; Vihinen, Jorma.
In: Journal of Materials Processing Technology, Vol. 258, 01.08.2018, p. 180-188.
Research output: Contribution to journal › Article › Scientific › peer-review

Hot pen and laser writable photonic polymer films. / Moirangthem, Monali; Stumpel, Jelle E.; Alp, Baran; Teunissen, Pit; Bastiaansen, Cees W M; Schenning, Albertus P H J.
Emerging Liquid Crystal Technologies XI. Vol. 9769 SPIE, 2016. 97690Y.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

How developers perceive smells in source code : A replicated study. / Taibi, Davide; Janes, Andrea; Lenarduzzi, Valentina.
In: Information and Software Technology, Vol. 92, 01.12.2017, p. 223-235.
Research output: Contribution to journal › Article › Scientific › peer-review

How do academics experience use of recorded audio feedback in higher education? A thematic analysis. / Heimbirger, Anneli; Isomottonen, Ville; Nieminen, Paavo; Keto, Harri.
Frontiers in Education: Fostering Innovation Through Diversity, FIE 2018 - Conference Proceedings. IEEE, 2019. 8658635 (Proceedings - Frontiers in Education Conference).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

How do students solve parsons programming problems? - Execution-based vs. line-based feedback. / Helminen, Juha; Ihantola, Petri; Karavirta, Ville; Alaoutinen, Satu.
Proceedings - 2013 Learning and Teaching in Computing and Engineering, LaTiCE 2013. 2013. p. 55-61 6542239.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

How to design gamification? A method for engineering gamified software. / Morschheuser, Benedikt; Hassan, Lobna; Werder, Karl; Hamari, Juho.
In: Information and Software Technology, Vol. 95, 2018, p. 219-237.
Research output: Contribution to journal › Article › Scientific › peer-review

HTML5-based mobile agents for Web-of-Things. / Voutilainen, Jari Pekka; Mattila, Anna Liisa; Systä, Kari; Mikkonen, Tommi.
In: Informatica, Vol. 40, No. 1, 2016, p. 43-51.
Research output: Contribution to journal › Article › Scientific › peer-review

HVS-based local analysis of denoising efficiency for DCT-based filters. / Rubel, Oleksii; Ponomarenko, Nikolay; Lukin, Vladimir; Astola, Jaakko; Egiazarian, Karen.
2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings. IEEE, 2015. p. 189-192.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Hysteresis and eddy-current losses in electrical steel utilising edge degradation due to cutting effects. / Elfgén, Silas; Rasilo, Paavo; Hameyer, Kay.
In: International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020.
Research output: Contribution to journal › Article › Scientific › peer-review

ICface : Interpretable and controllable face reenactment using GANs. / Tripathy, Soumya; Kannala, Juho; Rahtu, Esa.
2020 IEEE Winter Conference on Applications of Computer Vision, WACV 2020. IEEE, 2020. p. 3374-3383 (IEEE Winter Conference on Applications of Computer Vision).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Idea-space : A use case of collaborative course development in higher education. / 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.

Wissens-Gemeinschaften 2015. TUDpress Verlag der Wissenschaften GmbH, 2015. p. 149-156.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Image interpolation based on non-local geometric similarities. / Zhu, Shuyuan; Zeng, Bing; Liu, Guanghui; Zeng, Liaoyuan; Fang, Lu; Gabbouj, Moncef.

2015 IEEE International Conference on Multimedia and Expo (ICME). IEEE COMPUTER SOCIETY PRESS, 2015.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Image interpolation based on non-local geometric similarities and directional gradients. / Zhu, Shuyuan; Zeng, Bing; Zeng, Liaoyuan; Gabbouj, Moncef.

In: IEEE Transactions on Multimedia, Vol. 18, No. 9, 01.09.2016, p. 1707-1719.

Research output: Contribution to journal › Article › Scientific › peer-review

Implementation of a direct procedure for critical point computations using preconditioned iterative solvers. / Kouhia, Reijo; Tůma, Miroslav; Mäkinen, Jari; Fedoroff, Alexis; Marjamäki, Heikki.

In: Computers & Structures, Vol. 108-109, 10.2012, p. 110-117.

Research output: Contribution to journal › Article › Scientific › peer-review

Importance of the ion-pair interactions in the OPEP coarse-grained force field : Parametrization and validation. / Sterpone, Fabio; Nguyen, Phuong H.; Kalimeri, Maria; Derreumaux, Philippe.

In: Journal of Chemical Theory and Computation, Vol. 9, No. 10, 08.10.2013, p. 4574-4584.

Research output: Contribution to journal › Article › Scientific › peer-review

Improving the delivery cycle : A multiple-case study of the toolchains in Finnish software intensive enterprises. / Mäkinen, Simo; Leppänen, Marko; Kilamo, Terhi; Mattila, Anna-Liisa; Laukkanen, Eero; Pagels, Max; Männistö, Tomi.

In: Information and Software Technology, Vol. 80, 01.12.2016, p. 1339-1351.

Research output: Contribution to journal › Article › Scientific › peer-review

Indirect measurement of the vascular endothelial glycocalyx layer thickness in human submucosal capillaries with a plug-in for ImageJ. / Liuhanen, Sasu; Sallisalmi, Marko; Pettilä, Ville; Oksala, Niku; Tenhunen, Jyrki.

In: Computer Methods and Programs in Biomedicine, Vol. 110, No. 1, 04.2013, p. 38-47.

Research output: Contribution to journal › Article › Scientific › peer-review

Indirect NO_x emission monitoring in natural gas fired boilers. / Korpela, Timo; Kumpulainen, Pekka; Majanne, Yrjö; Häyrynen, Anna; Lautala, Pentti.

In: Control Engineering Practice, Vol. 65, 01.08.2017, p. 11-25.

Research output: Contribution to journal › Article › Scientific › peer-review

Inertial Sensor-Based State Estimation of Flexible Links Subject to Bending and Torsion. / Mäkinen, Petri; Mononen, Teemu; Mattila, Jouni.

2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018. IEEE, 2018. 8449188.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Inferring the conservative causal core of gene regulatory networks. / Altay, Gökmen; Emmert-Streib, Frank.

In: BMC Systems Biology, Vol. 4, 132, 28.09.2010.

Research output: Contribution to journal › Article › Scientific › peer-review

In-flight wind field identification and prediction of parafoil systems. / Gao, Haitao; Tao, Jin; Dehmer, Matthias; Emmert-Streib, Frank; Sun, Qinglin; Chen, Zengqiang; Xie, Guangming; Zhou, Quan.

In: Applied Sciences (Switzerland), Vol. 10, No. 6, 1958, 2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Influence factors for sharing open science and open educational resources through social networking services. / Kalb, Hendrik; Pirkkalainen, Henri; Pawlowski, Jan; Schoop, Eric.

6th Conference on Professional Knowledge Management: From Knowledge to Action - Proceedings. Vol. P-182
Gesellschaft für Informatik (GI), 2011. p. 23-32.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Information processing in the transcriptional regulatory network of yeast : Functional robustness. / Emmert-Streib, Frank; Dehmer, Matthias.

In: BMC Systems Biology, Vol. 3, 35, 19.03.2009.

Research output: Contribution to journal › Article › Scientific › peer-review

Inkjet printing of radio frequency electronics : Design methodologies and application of novel nanotechnologies. / Le, Taoran; Lin, Ziyin; Vyas, Rushi; Lakafosis, Vasileios; Yang, Li; Traille, Anya; Tentzeris, Manos M.; Wong, Ching Ping.

In: Journal of Electronic Packaging, Vol. 135, No. 1, 011007, 2013.

Research output: Contribution to journal › Article › Scientific › peer-review

Integrated multi-wavelength mid-IR light source for gas sensing. / 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.

Next-Generation Spectroscopic Technologies XI. SPIE, IEEE, 2018. 106570A (SPIE Conference Proceedings; Vol. 10657).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Integrating III-V, Si, and polymer waveguides for optical interconnects : RAPIDO. / Aalto, Timo; Harjanne, Mikko; Offrein, Bert Jan; Caër, Charles; Neumeyr, Christian; Malacarne, Antonio; Guina, Mircea; Sheehan, Robert N.; Peters, Frank H.; Melanen, Petri.

Optical Interconnects XVI. SPIE, 2016. 97530D (Proceedings of SPIE; Vol. 9753).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Intellectual capital and bi-tools in private healthcare value creation. / Ratia, Milla.

In: Electronic Journal of Knowledge Management, Vol. 16, No. 2, 01.09.2018, p. 143-154.

Research output: Contribution to journal › Article › Scientific › peer-review

Interference and SINR in Millimeter Wave and Terahertz Communication Systems With Blocking and Directional Antennas. / Petrov, Vitaly; Komarov, Mikhail; Moltchanov, Dmitri; Jornet, Josep Miquel; Koucheryavy, Yevgeni.

In: IEEE Transactions on Wireless Communications, Vol. 16, No. 3, 01.03.2017, p. 1791-1808.

Research output: Contribution to journal › Article › Scientific › peer-review

Internet of Autonomous Vehicles : Architecture, Features, and Socio-Technological Challenges. / Jameel, Furqan; Chang, Zheng; Huang, Jun; Ristaniemi, Tapani.

In: IEEE Wireless Communications, Vol. 26, No. 4, 8809655, 01.08.2019, p. 21-29.

Research output: Contribution to journal › Article › Scientific › peer-review

Internet of Things : Opportunities for vocational education and training: Presentation of the pilot project. / Vihervaara, Juha; Alapaholuoma, Teemu.

CSEDU 2017 - Proceedings of the 9th International Conference on Computer Supported Education. SCITEPRESS, 2017. p. 476-480.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Internet of Things and Sensor Networks. / Andreev, Sergey; Dobre, Ciprian; Misra, Prasant.

In: IEEE Communications Magazine, Vol. 58, No. 2, 2020, p. 34-34.

Research output: Contribution to journal › Editorial › Scientific

Investigating mid-air gestures and handhelds in motion tracked environments. / Mäkelä, Ville; Korhonen, Hannu; Ojala, Jarno; Järvi, Antti; Väänänen, Kaisa; Raisamo, Roope; Turunen, Markku.
PerDis 2016 - Proceedings of the 5th ACM International Symposium on Pervasive Displays. ACM, 2016. p. 45-51.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Iterative unsupervised domain adaptation for generalized cell detection from brightfield z-stacks. / Liimatainen, Kaisa; Kananen, Lauri; Latonen, Leena; Ruusuvoori, Pekka.
In: BMC Bioinformatics, Vol. 20, No. 1, 80, 15.02.2019.
Research output: Contribution to journal > Article > Scientific > peer-review

Kalman-Type Filters and Smoothers for Pedestrian Dead Reckoning. / Ivanov, Pavel; Raitoharju, Matti; Piché, Robert.
IPIN 2018 - 9th International Conference on Indoor Positioning and Indoor Navigation. IEEE, 2018.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

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. / Coatanéa, Eric; Wu, Di; Tsarkov, Vadim; Gary Wang, G.; Modi, Siddhant; Jafarian, Hesam.
38th Computers and Information in Engineering Conference. Vol. 1B-2018 The American Society of Mechanical Engineers ASME, 2018.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

KPI-ML based integration of industrial information systems. / Tahir, Muhammad Ashhal; Mahmoodpour, Mehdi; Lobov, Andrei.
2019 IEEE 17th International Conference on Industrial Informatics, INDIN 2019. IEEE, 2019. p. 93-99 (IEEE International Conference on Industrial Informatics (INDIN); Vol. 2019-July).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Labyrinth based left-handed metamaterials and sub-wavelength focusing of electromagnetic waves. / Ozbay, Ekmel; Bulu, Irfan; Caglayan, Humeyra.
Photonic Crystal Materials and Devices IV. Vol. 6128 2006. 612813 (Proceedings of SPIE; Vol. 6128).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Lage und Zukunft des wissenschaftlichen Nachwuchses : Eine Stellungnahme des Beirats des Wissenschaftlichen Nachwuchses (WIN) der Gesellschaft für Informatik (GI e.V.). / Lenk, Kerstin; Gleirscher, Mario; Nestler, Simon; Rödiger, Stefan; Petersen, Tom; Loebel, Jens Martin.
In: Informatik-Spektrum, Vol. 43, No. 2, 2020, p. 94-102.
Research output: Contribution to journal > Article > Scientific > peer-review

Last Meter Indoor Terahertz Wireless Access : Performance Insights and Implementation Roadmap. / Petrov, Vitaly; Kokkonen, Joonas; Moltchanov, Dmitri; Lehtomäki, Janne; Koucheryavy, Yevgeni; Juntti, Markku.
In: IEEE Communications Magazine, Vol. 56, No. 6, 01.06.2018, p. 158-165.
Research output: Contribution to journal > Article > Scientific > peer-review

Layered approach for improving the quality of free-viewpoint depth-image-based rendering images. / Smirnov, Sergey; Battisti, Federica; Gotchev, Atanas.
In: Journal of Electronic Imaging, Vol. 28, No. 1, 013049, 27.02.2019.
Research output: Contribution to journal > Article > Scientific > peer-review

Lean manufacturing methods in simulation literature : Review and association analysis. / Tokola, Henri; Niemi, Esko; Väistö, Ville.
2015 Winter Simulation Conference (WSC). 2016. p. 2239-2248.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Learning sparse representations for view-independent human action recognition based on fuzzy distances. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis.
In: Neurocomputing, Vol. 121, 09.12.2013, p. 344-353.
Research output: Contribution to journal > Article > Scientific > peer-review

Linear accelerometers and rate gyros for rotary joint angle estimation of heavy-duty mobile manipulators using forward kinematic modeling. / Vihonen, Juho; Honkakorpi, Janne; Tuominen, Janne; Mattila, Jouni; Visa, Ari.

In: IEEE - ASME Transactions on Mechatronics, Vol. 21, No. 3, 01.06.2016, p. 1765-1774.

Research output: Contribution to journal › Article › Scientific › peer-review

Linearization of BJTs with logarithmic predistortion. / Lunden, Olli-Pekka; Paldanius, Timo.

2019 IEEE Radio and Wireless Symposium, RWS 2019. IEEE, 2019. (IEEE Radio and Wireless Symposium, RWS).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Long-term epileptic EEG classification via 2D mapping and textural features. / Samiee, Kaveh; Kiranyaz, Serkan; Gabbouj, Moncef; Saramäki, Tapio.

In: Expert Systems with Applications, Vol. 42, No. 20, 08.06.2015, p. 7175-7185.

Research output: Contribution to journal › Article › Scientific › peer-review

Machine learning for adaptive bilateral filtering. / Frosio, Iuri; Egiazarian, Karen; Pulli, Kari.

Image Processing: Algorithms and Systems XIII. Vol. 9399 SPIE, 2015. 939908 (Proceedings of SPIE - The International Society for Optical Engineering).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Magnetomechanical coupled FE simulations of rotating electrical machines. / Belahcen, Anouar; Fonteyn, Katarzyna; Kouhia, Reijo; Rasilo, Paavo; Arkkio, Antero.

In: COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, Vol. 32, No. 5, 17095978, 2013, p. 1484-1499.

Research output: Contribution to journal › Article › Scientific › peer-review

Making the cloud work for software producers : Linking architecture, operating cost and revenue. / Rosati, Pierangelo; Fowley, Frank; Pahl, Claus; Taibi, Davide; Lynn, Theo.

CLOSER 2018 - Proceedings of the 8th International Conference on Cloud Computing and Services Science. SCITEPRESS, 2018. p. 364-375.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

MAST: Mask-accelerated shearlet transform for densely-sampled light field reconstruction. / Gao, Yuan; Bregovic, Robert; Gotchev, Atanas; Koch, Reinhard.

2019 IEEE International Conference on Multimedia and Expo, ICME 2019. IEEE, 2019. p. 187-192.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Maturity assessment for implementing and using product lifecycle management in project-oriented engineering companies. / Kärkkäinen, Hannu; Myllärniemi, Jussi; Okkonen, Jussi; Silventoinen, Anneli.

In: International Journal of Electronic Business, Vol. 11, No. 2, 2014, p. 176-198.

Research output: Contribution to journal › Article › Scientific › peer-review

Measurements of Mobile Blockchain Execution Impact on Smartphone Battery. / Bardinova, Yulia; Zhidanov, Konstantin; Bezzateev, Sergey; Komarov, Mikhail; Ometov, Aleksandr.

In: Data, Vol. 5, No. 3, 66, 30.07.2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Measurement theory and dimensional analysis : Methodological impact on the comparison and evaluation process. / Coatanéa, Eric; Yannou, Bernard; Honkala, Sauli; Lajunen, Antti; Saarelainen, Tanja; Makkonen, Petri.

19th International Conference on Design Theory and Methodology and 1st International Conference on Micro and Nano Systems, presented at - 2007 ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference, IDETC/CIE2007. AMER SOC MECHANICAL ENGINEERS, 2008. p. 173-182.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Measuring bend losses in large-mode-area fibers. / Ye, Changgeng; Koponen, Joonas; Aallos, Ville; Kokki, Teemu; Petit, Laetitia; Kimmelmä, Ossi.

Fiber Lasers XII: Technology, Systems, and Applications. Vol. 9344 SPIE, 2015. 934425.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Measuring stem diameters with TLS in boreal forests by complementary fitting procedure. / Pitkänen, Timo P.; Raunonen, Pasi; Kangas, Annika.

In: ISPRS Journal of Photogrammetry and Remote Sensing, Vol. 147, 2019, p. 294-306.

Research output: Contribution to journal › Article › Scientific › peer-review

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. / Kahle, Hermann; Penttinen, Jussi Pekka; Phung, Hoy My; Rajala, Patrik; Tukiainen, Antti; Ranta, Sanna; Guina, Mircea.

Vertical External Cavity Surface Emitting Lasers (VECSELS) IX. ed. / Ursula Keller. SPIE, IEEE, 2019. 109010D (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 10901).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Method for Simulating Dose Reduction in Digital Breast Tomosynthesis. / Borges, Lucas R.; Guerrero, Igor; Bakic, Predrag R.; Foi, Alessandro; Maidment, Andrew D.A.; Vieira, Marcelo A.C.

In: IEEE Transactions on Medical Imaging, Vol. 36, No. 11, 2017, p. 2331-2342.

Research output: Contribution to journal › Article › Scientific › peer-review

Method of data compression for traffic monitoring. / Kozhemiakina, Nadejda; Lukin, Vladimir; Ponomarenko, Nikolay; Akulynichev, Artem; Astola, Jaakko; Egiazarian, Karen.

2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings. IEEE, 2015. p. 153-156.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Methodology to obtain the security controls in multi-cloud applications. / Afolaranmi, Samuel Olaiya; Gonzalez Moctezuma, Luis E.; Rak, Massimiliano; Casola, Valentina; Rios, Erkuden; Martinez Lastra, Jose L.

CLOSER 2016 - Proceedings of the 6th International Conference on Cloud Computing and Services Science. Vol. 1 SCITEPRESS, 2016. p. 327-332.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Methods and tools for denoising of complex-valued images based on block-matching and high order singular value decomposition. / Ponomarenko, Mykola; Katkovnik, Vladimir; Egiazarian, Karen.

Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Metrics for polyphonic sound event detection. / Mesaros, Annamaria; Heittola, Toni; Virtanen, Tuomas.

In: Applied Sciences, Vol. 6, No. 6, 162, 2016.

Research output: Contribution to journal › Article › Scientific › peer-review

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

In: SLAS Technology, 2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Mixed-integer linear programming approach for global discrete sizing optimization of frame structures. / van Mellaert, R.; Mela, K.; Tiainen, T.; Heinisuo, M.; Lombaert, G.; Schevenels, M.

In: Structural and Multidisciplinary Optimization, Vol. 57, No. 2, 2018, p. 579-593.

Research output: Contribution to journal › Article › Scientific › peer-review

Mobile Journalist Toolkit : A field study on producing news articles with a mobile device. / Jokela, Tero; Väättäjä, Heli; Koponen, Tiina.

MindTrek 2009 - 13th International Academic MindTrek Conference: Everyday Life in the Ubiquitous Era. 2009. p. 45-52.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Mobility aware eMBMS management in urban 5G-oriented systems. / Desogus, C.; Fadda, M.; Murrioni, M.; Araniti, G.; Orsino, A.

2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017. IEEE, 2017.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Mode coupling in few-mode large-mode-area fibers. / Ye, Changgeng; Koponen, Joonas; Aallos, Ville; Petit, Laetitia; Kimmelmä, Ossi; Kokki, Teemu.

Fiber Lasers XI: Technology, Systems, and Applications. Vol. 8961 SPIE, 2014. 89612W.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Modeling and cancellation of self-interference in full-duplex radio transceivers : Volterra series-based approach. / Korpi, Dani; Turunen, Matias; Anttila, Lauri; Valkama, Mikko.

2018 IEEE International Conference on Communications Workshops. IEEE, 2018. p. 1-6.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

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

Research output: Contribution to journal > Article > Scientific > peer-review

Modeling mmWave Channels in High-Fidelity Simulations of Unmanned Aerial Systems. / Godbole, Tanmay Ram; Calvo-Fullana, Miguel; Pyattaev, Alexander; Mox, Daniel; Andreev, Sergey; Ribeiro, Alejandro; Valkama, Mikko.

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).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Modified Wilkinson power divider with harmonics suppression and compact size for GSM applications. / Moloudian, Gholamhosein; Miri Rostami, Seyyed Reza; Björninen, Toni.

In: International Journal of RF and Microwave Computer-Aided Engineering, 2020.
Research output: Contribution to journal > Article > Scientific > peer-review

Molecular Communications Pulse-based Jamming Model for Bacterial Biofilm Suppression. / Martins, Daniel P.; Leetanasaksakul, Kantinan; Barros, Michael Taynnan; Thamchaipenet, Arinthip; Donnelly, William; Balasubramaniam, Sasitharan.

In: IEEE Transactions on Nanobioscience, Vol. 17, No. 4, 10.2018, p. 533-542.
Research output: Contribution to journal > Article > Scientific > peer-review

Monitoring pH, temperature and humidity in long-term stem cell culture in CO₂ incubator. / Rajan, Dhanesh Kattippambil; Verho, Jarmo; Kreutzer, Joose; Valimäki, Hannu; Ihalainen, Heimo; Lekkala, Jukka; Patrikoski, Mimmi; Miettinen, Susanna.

2017 IEEE International Symposium on Medical Measurements and Applications (MeMeA). IEEE, 2017. p. 470-474.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Monolithic GaInNAsSb/GaAs VECSEL emitting at 1550 nm. / Korpijärvi, Ville-Markus; Kantola, Emmi L.; Leinonen, Tomi; Guina, Mircea.

SPIE conference proceedings. Vol. 9349 SPIE, 2015. 93490D.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Motivating scholars' responses in academic social networking sites : An empirical study on ResearchGate Q&A behavior. / Deng, Shengli; Tong, Jingjing; Lin, Yanqing; Li, Hongxiu; Liu, Yong.

In: INFORMATION PROCESSING AND MANAGEMENT, Vol. 56, No. 6, 102082, 01.11.2019.
Research output: Contribution to journal > Article > Scientific > peer-review

Multi-carrier CDMA for network assisted device-to-device communications for an integrated OFDMA cellular system. / Xing, Hongnian; Renfors, Markku.

2016 IEEE 83rd Vehicular Technology Conference (VTC Spring) . 2016.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Multicolor nonlinear pulse compression by consecutive optical parametric amplification in quasi-phase matched structures.

/ Sapaev, U. K.; Yusupov, D. B.; Assanto, G.

ICONO 2010: International Conference on Coherent and Nonlinear Optics. Vol. 7993 2011. 79930Q.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Multidimensional sequence classification based on fuzzy distances and discriminant analysis. / Iosifidis, Alexandros;

Tefas, Anastasios; Pitas, Ioannis.

In: IEEE Transactions on Knowledge and Data Engineering, Vol. 25, No. 11, 2013, p. 2564-2575.

Research output: Contribution to journal > Article > Scientific > peer-review

Multiobjective TDMA optimization for neuron-based molecular communication. / Suzuki, Junichi; Balasubramaniam,

Sasitharan; Prina-Mello, Adriele.

BODYNETS 2012 - 7th International Conference on Body Area Networks. ICST, 2012.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Multi-physics modeling and simulation of a frequency doubling antenna sensor for passive wireless strain sensing. / Cho, Chunhee; Yi, Xiaohua; Wang, Yang; Tentzeris, Manos M.

Structural Health Monitoring 2015: System Reliability for Verification and Implementation - Proceedings of the 10th International Workshop on Structural Health Monitoring, IWSHM 2015. Vol. 2 DEStech Publications, 2015. p. 864-872.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Multi-physics modeling and simulation of a slotted patch antenna for wireless strain sensing. / Yi, X.; Wang, Y.; Tentzeris, M. M.; Leon, R. T.

Structural Health Monitoring 2013: A Roadmap to Intelligent Structures - Proceedings of the 9th International Workshop on Structural Health Monitoring, IWSHM 2013. Vol. 2 DEStech Publications, 2013. p. 1857-1864.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Multi-sensor next-best-view planning as matroid-constrained submodular maximization. / Lauri, Mikko; Pajarinen, Joni; Peters, Jan; Frintrop, Simone.

In: IEEE Robotics and Automation Letters, Vol. 5, No. 4, 2020, p. 5323-5330.

Research output: Contribution to journal > Article > Scientific > peer-review

Multisensor Time-Frequency Signal Processing MATLAB package : An analysis tool for multichannel non-stationary data.

/ Boashash, Boualem; Aïssa-El-Bey, Abdeldjalil; Al-Sa'd, Mohammad F.

In: SoftwareX, Vol. 8, 2018, p. 53-58.

Research output: Contribution to journal > Article > Scientific > peer-review

Multistep reactions of water with small Pd_n clusters : A first principles study. / Liang, Yanhua; Ma, Li; Wang, Jianguang; Wang, Guanghou.

In: Journal of Theoretical and Computational Chemistry, Vol. 14, No. 3, 1550017, 01.05.2015.

Research output: Contribution to journal > Article > Scientific > peer-review

Multithreaded simulation for synchronous dataflow graphs. / Hsu, Chia Jui; Pino, José Luis; Bhattacharyya, Shuvra S.

In: ACM Transactions on Design Automation of Electronic Systems, Vol. 16, No. 3, 25, 06.2011.

Research output: Contribution to journal > Article > Scientific > peer-review

Multiwavelength surface contouring from phase-coded diffraction patterns. / Katkovnik, Vladimir; Shevkunov, Igor; Petrov, Nikolay V.; Eguiazarian, Karen.

Unconventional Optical Imaging 2018. Strasbourg, France. SPIE, 2018. 106771B (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 10677).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

MurMur Moderators, the talking playful seats. / Nummenmaa, Timo; Kultima, Annakaisa; Tyni, Heikki; Alha, Kati.

MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc, 2014. p. 231-237.

MVP Explained : A Systematic Mapping Study on the Definitions of Minimal Viable Product. / Lenarduzzi, Valentina; Taibi, Davide.

Proceedings - 42nd Euromicro Conference on Software Engineering and Advanced Applications, SEAA 2016. IEEE, 2016. p. 112-119.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Nanodevice Arrays for Peripheral Nerve Fascicle Activation Using Ultrasound Energy-harvesting. / Donohoe, Michael; Jennings, Brendan; Jornet, Josep Miquel; Balasubramaniam, Sasitharan.

In: IEEE Transactions on Nanotechnology, Vol. 16, No. 6, 2017, p. 919-930.

Research output: Contribution to journal › Article › Scientific › peer-review

Necessary and sufficient conditions for the existence of solution of generalized fuzzy relation equations $A \Leftrightarrow X = B$. / Turunen, Esko.

In: Information Sciences, Vol. 536, 01.10.2020, p. 351-357.

Research output: Contribution to journal › Article › Scientific › peer-review

Neighborhood Matching for Image Retrieval. / González-Díaz, Iván; Birinci, Murat; Díaz-De-María, Fernando; Delp, Edward J.

In: IEEE Transactions on Multimedia, Vol. 19, No. 3, 01.03.2017, p. 544-558.

Research output: Contribution to journal › Article › Scientific › peer-review

NetBioV : An R package for visualizing large network data in biology and medicine. / Tripathi, Shailesh; Dehmer, Matthias; Emmert-Streib, Frank.

In: Bioinformatics, Vol. 30, No. 19, 02.04.2014, p. 2834-2836.

Research output: Contribution to journal › Article › Scientific › peer-review

Netmes : Assessing gene network inference algorithms by network-based measures. / Altay, Gökmen; Kurt, Zeyneb; Dehmer, Matthias; Emmert-Streib, Frank.

In: Evolutionary Bioinformatics, Vol. 10, 07.12.2013.

Research output: Contribution to journal › Article › Scientific › peer-review

Network classes and graph complexity measures. / Dehmer, Matthias; Borgert, Stephan; Emmert-Streib, Frank.

Proc. - 2008 1st International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems. Medical Applications of the Complex Systems. Biomedical Computing, CANS 2008. 2008. p. 77-84 5231507.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Nocturnal Heart Rate Variability Spectrum Characterization in Preschool Children with Asthmatic Symptoms. / Milagro, Javier; Gil, Eduardo; Lazaro, Jesus; Seppae, Ville Pekka; Malmberg, Leo Pekka; Pelkonen, Anna Susanna; Kotaniemi-Syrjanen, Anne; Makela, Mika; Viik, Jari; Bailon, Raquel.

In: IEEE Journal of Biomedical and Health Informatics, Vol. 22, No. 5, 09.2018, p. 1332-1340.

Research output: Contribution to journal › Article › Scientific › peer-review

Noise minimized high resolution digital holographic microscopy applied to surface topography. / Achimova, Elena;

Abaskin, Vladimir; Claus, Daniel; Pedrini, Giancarlo; Shevkunov, Igor; Katkovnik, Vladimir.

In: Computer Optics, Vol. 42, No. 2, 01.03.2018, p. 267-272.

Research output: Contribution to journal › Article › Scientific › peer-review

Nonlinear time series prediction based on a power-law noise model. / Emmert-Streib, Frank; Dehmer, Matthias.

In: International Journal of Modern Physics C, Vol. 18, No. 12, 12.2007, p. 1839-1852.

Research output: Contribution to journal › Article › Scientific › peer-review

No-reference visual quality assessment for image inpainting. / Voronin, V. V.; Frantc, V. A.; Marchuk, V. I.; Sherstobitov, A. I.; Egiazarian, K.

Image Processing: Algorithms and Systems XIII. SPIE, 2015. 93990U (SPIE Conference Proceedings; Vol. 9399).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Novel D2D-based relaying method for multicast services over 3GPP LTE-A systems. / Araniti, G.; Orsino, A.; Militano, L.; Putrino, G.; Andreev, S.; Koucheryavy, Y.; Iera, A.

2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017. IEEE, 2017.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Novel frequency domain cyclic prefix autocorrelation based compressive spectrum sensing for cognitive radio. / Dikmese, Sener; Ilyas, Zobia; Sofotasios, Paschalis; Renfors, Markku; Valkama, Mikko.

2016 IEEE 83rd Vehicular Technology Conference (VTC Spring) . IEEE, 2016.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

OASIS deck of cards - House of colleagues : A playful. / Nummenmaa, Timo; Kultima, Annakaisa; Kankainen, Ville; Savolainen, Sampo; Syvänen, Antti; Alha, Kati; Mäyrä, Frans.

ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference. Association for Computing Machinery, Inc, 2015. p. 2-9.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Observation of local electroluminescent cooling and identifying the remaining challenges. / Radevici, Ivan; Sadi, Toufik; Tripurari, Tripathi; Tiira, Jonna; Ranta, Sanna; Tukiainen, Antti; Guina, Mircea; Oksanen, Jani.

Photonic Heat Engines: Science and Applications. ed. / Denis V. Seletskiy; Richard I. Epstein; Mansoor Sheik-Bahae. SPIE, IEEE, 2019. 109360A (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 10936).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

OFDM radar with LTE waveform : Processing and performance. / Barneto, Carlos Baquero; Anttila, Lauri; Fleischer, Marko; Valkama, Mikko.

2019 IEEE Radio and Wireless Symposium, RWS 2019. IEEE COMPUTER SOCIETY PRESS, 2019. 8714410 (IEEE Radio and Wireless Symposium, RWS).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Olfactory display prototype for presenting and sensing authentic and synthetic odors. / 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.

ICMI 2018 - Proceedings of the 2018 International Conference on Multimodal Interaction. ACM, 2018. p. 73-77.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

On computation of calcium cycling anomalies in cardiomyocytes data. / 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.

2014 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2014. Institute of Electrical and Electronics Engineers Inc., 2014. p. 1444-1447 6943872.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

On Confidences and Their Use in (Semi-)Automatic Multi-Image Taxa Identification. / Raitoharju, Jenni; Meissner, Kristian.

2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019. IEEE, 2019. p. 1338-1343 9002975.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

On delay distribution in IEEE 802.11 wireless networks. / Ivanov, Stepan; Botvich, Dmitri; Balasubramaniam, Sasitharan.

16th IEEE Symposium on Computers and Communications, ISCC'11. 2011. p. 254-256 5983849.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

On entropy-based molecular descriptors : Statistical analysis of real and synthetic chemical structures. / Dehmer, Matthias; Varmuza, Kurt; Borgert, Stephan; Emmert-Streib, Frank.

In: Journal of Chemical Information and Modeling, Vol. 49, No. 7, 27.07.2009, p. 1655-1663.

Research output: Contribution to journal › Article › Scientific › peer-review

On feasibility of 5G-grade dedicated RF charging technology for wireless-powered wearables. / Galinina, Olga; Tabassum, Hina; Mikhaylov, Konstantin; Andreev, Sergey; Hossain, Ekram; Koucheryavy, Yevgeni.
In: IEEE Wireless Communications, Vol. 23, No. 2, 01.04.2016, p. 28-37.
Research output: Contribution to journal › Article › Scientific › peer-review

On the complexity of restoring corrupted colorings. / De Biasi, Marzio; Lauri, Juho.
In: Journal of Combinatorial Optimization, Vol. 37, No. 4, 05.2019, p. 1150-1169.
Research output: Contribution to journal › Article › Scientific › peer-review

On the definition of dynamic software measures. / Lavazza, Luigi; Morasca, Sandro; Taibi, Davide; Tosi, Davide.
In: International Symposium on Empirical Software Engineering and Measurement, 2012, p. 39-48.
Research output: Contribution to journal › Article › Scientific › peer-review

On the degeneracy of the Randić entropy and related graph measures. / Dehmer, Matthias; Chen, Zengqiang; Mowshowitz, Abbe; Jodlbauer, Herbert; Emmert-Streib, Frank; Shi, Yongtang; Tripathi, Shailesh; Xia, Chengyi.
In: Information Sciences, 2018.
Research output: Contribution to journal › Article › Scientific › peer-review

On the diffuseness of technical debt items and accuracy of remediation time when using SonarQube. / Baldassarre, Maria Teresa; Lenarduzzi, Valentina; Romano, Simone; Saarimäki, Nyyti.
In: Information and Software Technology, Vol. 128, 106377, 2020.
Research output: Contribution to journal › Article › Scientific › peer-review

On the optimal class representation in linear discriminant analysis. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis.
In: IEEE Transactions on Neural Networks and Learning Systems, Vol. 24, No. 9, 2013, p. 1491-1497.
Research output: Contribution to journal › Article › Scientific › peer-review

On the Performance of Visible Light Communication Systems with Non-Orthogonal Multiple Access. / Marshoud, Hanaa; Sofotasios, Paschalis C.; Muhaidat, Sami; Karagiannidis, George K.; Sharif, Bayan S.
In: IEEE Transactions on Wireless Communications, Vol. 16, No. 10, 01.10.2017, p. 6350-6364.
Research output: Contribution to journal › Article › Scientific › peer-review

On the zeros of the partial Hosoya polynomial of graphs. / Ghorbani, Modjtaba; Dehmer, Matthias; Cao, Shujuan; Feng, Lihua; Tao, Jin; Emmert-Streib, Frank.
In: Information Sciences, Vol. 524, 01.07.2020, p. 199-215.
Research output: Contribution to journal › Article › Scientific › peer-review

On Unified Vehicular Communications and Radar Sensing in Millimeter-Wave and Low Terahertz Bands. / Petrov, Vitaly; Fodor, Gabor; Kokkonen, Joonas; Moltchanov, Dmitri; Lehtomäki, Janne; Andreev, Sergey; Koucheryavy, Yevgeni; Juntti, Markku; Valkama, Mikko.
In: IEEE Wireless Communications, Vol. 26, No. 3, 8722599, 06.2019, p. 146-153.
Research output: Contribution to journal › Article › Scientific › peer-review

Optical and topographic changes in water-responsive patterned cholesteric liquid crystalline polymer coatings. / Stumpel, Jelle E.; Broer, Dirk J.; Bastiaansen, Cees W M; Schenning, Albert P H J.
Proceedings of SPIE: Organic Photonics VI. Vol. 9137 SPIE, 2014. 91370U (Proceedings of SPIE: the International Society for Optical Engineering).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Optical Asymmetric Modulation for VLC Systems - Invited Paper. / Marshoud, Hanaa; Muhaidat, Sami; Sofotasios, Paschalis C.; Imran, Muhammad; Sharif, Bayan S.; Karagiannidis, George K.
2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018. IEEE, 2018. p. 1-5.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Optical fiber amplifier with spectral compression elements for high-power laser pulse generation. / Fotiadi, Andrei A.; Korobko, Dmitry A.; Okhotnikov, Oleg G.; Zolotovskii, Igor O.
Nonlinear Optics and its Applications IV. Vol. 9894 SPIE, 2016. 989411 (Proceedings of SPIE; Vol. 9894).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Optimal subgroup configuration for multicast services over 5G-satellite systems. / Orsino, A.; Araniti, G.; Scopelliti, P.; Gudkova, I. A.; Samouylov, K. E.; Iera, A.
2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017. IEEE, 2017.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Optimizing wirelessly powered crowd sensing : Trading energy for data. / Li, Xiaoyang; You, Changsheng; Andreev, Sergey; Gong, Yi; Huang, Kaibin.
2018 IEEE International Conference on Communications Workshops. IEEE, 2018. p. 1-6.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Organisational knowledge flows and structural change the case of dispersed education organizations. / Laihonon, Harri; Syyssummi, Pirjo.
In: International Journal of Knowledge Management Studies, Vol. 6, No. 3, 2015, p. 247-260.
Research output: Contribution to journal › Article › Scientific › peer-review

Organizational structure and the periphery of the gene regulatory network in B-cell lymphoma. / de Matos Simoes, Ricardo; Tripathi, Shailesh; Emmert-Streib, Frank.
In: BMC Systems Biology, Vol. 6, 38, 14.05.2012.
Research output: Contribution to journal › Article › Scientific › peer-review

Organizing for openness : six models for developer involvement in hybrid OSS projects. / Mäenpää, Hanna; Mäkinen, Simo; Kilamo, Terhi; Mikkonen, Tommi; Männistö, Tomi; Ritala, Paavo.
In: Journal of Internet Services and Applications, Vol. 9, No. 1, 17, 01.12.2018.
Research output: Contribution to journal › Article › Scientific › peer-review

Participatory development of user experience design guidelines for a B2B company. / Hildén, Elina; Väätäjä, Heli; Roto, Virpi; Uusitalo, Kero.
AcademicMindtrek '16 Proceedings of the 20th International Academic Mindtrek Conference . ACM, 2016. p. 49-58.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Patterns for serverless functions (Function-as-a-Service) : A multivocal literature review. / Taibi, Davide; El Ioini, Nabil; Pahl, Claus; Niederkofler, Jan Raphael Schmid.
CLOSER 2020 - Proceedings of the 10th International Conference on Cloud Computing and Services Science. ed. / Donald Ferguson; Markus Helfert; Claus Pahl. Vol. 1 SCITEPRESS, 2020. p. 181-192.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Performance Analysis of Single Carrier Coherent and Noncoherent Modulation under I/Q Imbalance. / Selim, Bassant; Muhaidat, Sami; Sofotasios, Paschalis C.; Sharif, Bayan S.; Stouraitis, Thanos; Karagiannidis, George K.; Al-Dhahir, Naofal.
2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018. IEEE, 2018. p. 1-5.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Performance evaluation of bandwidth reservation for mmWave 5G NR systems. / Begishev, V. O.; Sopin, E. S.; Molchanov, D. A.; Samouylov, A. K.; Gaidamaka, Yu V.; Samouylov, K. E.
In: Informatsionno-Upravliaiushchie Sistemy, No. 5, 01.01.2019, p. 51-63.
Research output: Contribution to journal › Article › Scientific › peer-review

Performance Evaluation of Coordinated Multipoint Transmission at 28 GHz Frequency Using 3D Ray Tracing. / Sheikh, Muhammad Usman; Biswas, Ritayan; Lempiäinen, Jukka.
2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018 - Proceedings. IEEE, 2018. p. 1-6.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Performance evaluation of distributed NoTA applications on multi-core platforms. / Khan, Suabyal; Saastamoinen, Jukka; Huusko, Jyrki; Nurmi, Jari.
Proceedings - 2011 IEEE 2nd International Conference on Networked Embedded Systems for Enterprise Applications, NESEA 2011. 2011. 6144931.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Person identification from actions based on dynemes and discriminant learning. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis.

2013 International Workshop on Biometrics and Forensics, IWBF 2013. 2013.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

PETMEI 2011 : The 1st international workshop on pervasive eye tracking and mobile eye-based interaction. / Bulling, Andreas; Duchowski, Andrew T.; Majaranta, Päivi.

UbiComp'11 - Proceedings of the 2011 ACM Conference on Ubiquitous Computing. 2011. p. 627-628.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Phase masks optimization for broadband diffractive imaging. / Ponomarenko, Mykola; Katkovnik, Vladimir; Egiazarian, Karen.

Image Processing: Algorithms and Systems XVII. 2019. (IS and T International Symposium on Electronic Imaging Science and Technology).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Photovoltaic plant cloud shadowing and energy drops in Northern Europe. / Petrone, G.; Romanelli, S.; Spagnuolo, G.; Valkealahti, S.

2018 IEEE International Conference on Industrial Technology (ICIT). IEEE, 2018. p. 1055-1060.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Picosecond MOPA with ytterbium doped tapered double clad fiber. / Filippov, Valery; Vorotynskii, Andrei; Noronen, Teppo; Gumenyuk, Regina; Chamorovskii, Yuri; Golant, Konstantin.

Fiber Lasers XIV: Technology and Systems. Vol. 10083 SPIE, 2017. 100831H (Proceedings of SPIE; No. 10083).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

PIVO : Probabilistic inertial-visual odometry for occlusion-robust navigation. / Solin, Arno; Cortés, Santiago; Rahtu, Esa; Kannala, Juho.

Proceedings - 2018 IEEE Winter Conference on Applications of Computer Vision, WACV 2018. IEEE, 2018. p. 616-625.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Planar monopole antennas on substrates fabricated through an additive manufacturing process. / Saintsing, Christy D.; Yu, Kai; Qi, H. Jerry; Tentzeris, Manos.

In: IEEE Radio and Wireless Symposium, RWS, Vol. 2015-June, No. June, 7129744, 19.06.2015, p. 159-161.

Research output: Contribution to journal › Article › Scientific › peer-review

Polynomial Input-Output Stability for Linear Systems. / Paunonen, Lassi; Laakkonen, Petteri.

In: IEEE Transactions on Automatic Control, Vol. 60, No. 10, 01.10.2015, p. 2797-2802.

Research output: Contribution to journal › Article › Scientific › peer-review

Portable sensor system for reliable condition measurement. / Soini, J.; Sillberg, P.; Rantanen, P.; Nummela, J.

2016 39th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2016 - Proceedings. 2016. p. 1190-1195.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Portrait instance segmentation for mobile devices. / Zhu, Lingyu; Wang, Tinghuai; Aksu, Emre; Kämäräinen, Joni-Kristian.

2019 IEEE International Conference on Multimedia and Expo, ICME 2019. IEEE, 2019. p. 1630-1635.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Position Estimation for Drones based on Visual SLAM and IMU in GPS-denied Environment. / Motlagh, Hamid Didari Khamseh; Lotfi, Faraz; Taghirad, Hamid D.; Gerami, Saeed Bakhshi.
ICRoM 2019 - 7th International Conference on Robotics and Mechatronics. IEEE, 2019. p. 120-124.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Positioning and Location-Aware Communications for Modern Railways with 5G New Radio. / Talvitie, Jukka; Levanen, Toni; Koivisto, Mike; Ihalainen, Tero; Pajukoski, Kari; Valkama, Mikko.
In: IEEE Communications Magazine, Vol. 57, No. 9, 2019, p. 24-30.
Research output: Contribution to journal > Article > Scientific > peer-review

Power and wavelength scaling using semiconductor disk laser - bismuth fiber MOPA systems. / Heikkinen, Juuso; Gumenyuk, Regina; Rantamäki, Antti; Lyytikäinen, Jari; Leinonen, Tomi; Zolotovskii, Igor; Melkumov, Mikhail; Dianov, Evgeny M.; Okhotnikov, Oleg G.
Vertical External Cavity Surface Emitting Lasers (VECSELs) V. ed. / M Guina. BELLINGHAM : SPIE, 2015. 93490E (Proceedings of SPIE; Vol. 9349).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Predicting academic success based on learning material usage. / Leppänen, Leo; Leinonen, Juho; Ihantola, Petri; Hellas, Arto.
SIGITE 2017 - Proceedings of the 18th Annual Conference on Information Technology Education. ACM, 2017. p. 13-18.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Preface : Special Issue on 'New Hydraulic Components for Tough Robots'. / Suzumori, Koichi; Hyon, Sang Ho; Semini, Claudio; Mattila, Jouni; Kanda, Takefumi.
In: Advanced Robotics, Vol. 32, No. 9, 03.05.2018.
Research output: Contribution to journal > Editorial > Scientific

Preparation of water-based carbon nanotube inks and application in the inkjet printing of carbon nanotube gas sensors. / Lin, Ziyin; Le, Taoran; Song, Xiaojuan; Yao, Yagang; Li, Zhuo; Moon, Kyoung Sik; Tentzeris, Manos M.; Wong, Ching Ping.
In: Journal of Electronic Packaging, Vol. 135, No. 1, 011001, 2013.
Research output: Contribution to journal > Article > Scientific > peer-review

Preserving natural scene lighting by strobe-lit video. / Suominen, Olli; Gotchev, Atanas.
Image Processing: Algorithms and Systems XIII. SPIE, 2015. 939919 (SPIE Conference Proceedings; Vol. 9399).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Preventing keystroke based identification in open data sets. / Leinonen, Juho; Ihantola, Petri; Hellas, Arto.
L@S 2017 - Proceedings of the 4th (2017) ACM Conference on Learning at Scale. ACM, 2017. p. 101-109.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Prioritized centrally-controlled resource allocation in integrated multi-RAT HetNets. / Gerasimenko, Mikhail; Moltchanov, Dmitri; Florea, Roman; Himayat, Nageen; Andreev, Sergey; Koucheryavy, Yevgeni.
IEEE Vehicular Technology Conference. Vol. 2015-July The Institute of Electrical and Electronics Engineers, Inc., 2015.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Probabilistic approach to physical object disentangling. / Pajarinen, Joni; Arenz, Oleg; Peters, Jan; Neumann, Gerhard.
In: IEEE Robotics and Automation Letters, Vol. 5, No. 4, 2020, p. 5510-5517.
Research output: Contribution to journal > Article > Scientific > peer-review

Propagation dynamics of ultrabroadband terahertz beams with orbital angular momentum for wireless data transfer. / Kulya, Maksim S.; Sokolenko, Bogdan; Gorodetsky, Andrei; Petrov, Nikolay V.
Broadband Access Communication Technologies XIV. ed. / Benjamin B. Dingel; Katsutoshi Tsukamoto; Spiros Mikroulis. SPIE, 2020. 113070J (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 11307).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Pulsed high-power yellow-orange VECSEL. / Kantola, Emmi; Leinonen, Tomi; Ranta, Sanna; Tavast, Miki; Guina, Mircea. Photonics Europe 2014, Semiconductor Lasers and Laser Dynamics VI, April 14-17, 2014, Brussels, Belgium. Proceedings of SPIE. Vol. 9134 SPIE, 2014. 91340Z (SPIE Conference Proceedings; Vol. 9134).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Quality and Capacity Analysis of Molecular Communications in Bacterial Synthetic Logic Circuits. / Martins, Daniel P.; Barros, Michael Taynnan; Balasubramaniam, Sasitharan.
In: IEEE Transactions on Nanobioscience, 2019.
Research output: Contribution to journal › Article › Scientific › peer-review

Quantitative Graph Theory : A new branch of graph theory and network science. / Dehmer, Matthias; Emmert-Streib, Frank; Shi, Yongtang.
In: Information Sciences, Vol. 418-419, 01.12.2017, p. 575-580.
Research output: Contribution to journal › Article › Scientific › peer-review

Quantitative + qualitative information for heritage conservation : An open science research for paving 'collaboratively' the way to historical-BIM. / Garcia-Fernandez, Jorge; Joutsiniemi, Anssi; Ahn, Yushin; Fernandez, Juan Jose. 2015 Digital Heritage International Congress, Digital Heritage 2015. IEEE, 2016. p. 207-208.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Radar micro-Doppler feature extraction using the Singular Value Decomposition. / De Wit, J. J M; Harmanny, R. I A; Molchanov, P.
2014 International Radar Conference, Radar 2014. The Institute of Electrical and Electronics Engineers, Inc., 2014.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Railway fastener inspection by real-time machine vision. / Aytekin, Caglar; Rezaeitabar, Yousef; Dogru, Sedat; Ulusoy, Ilkay.
In: IEEE Transactions on Systems, Man, and Cybernetics: Systems, Vol. 45, No. 7, 01.07.2015, p. 1101-1107.
Research output: Contribution to journal › Article › Scientific › peer-review

Random Value Impulse Noise Removal Based on Most Similar Neighbors. / Habib, Muhammad; Rasheed, Saqib; Hussain, Ayyaz; Ali, Mubashir.
2015 13th International Conference on Frontiers of Information Technology (FIT) . IEEE, 2016. p. 329-333.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Ray-based evaluation of dual-polarized MIMO in (Ultra-)dense millimeter-wave urban deployments. / Solomitckii, Dmitrii; Petrov, Vitaly; Nikopour, Hosein; Akdeniz, Mustafa; Orhan, Oner; Himayat, Nageen; Talwar, Shilpa; Andreev, Sergey; Koucheryavy, Yevgeni.
2018 IEEE 87th Vehicular Technology Conference, VTC Spring 2018 - Proceedings. IEEE, 2018. p. 1-7.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Real-time and Robust Collaborative Robot Motion Control with Microsoft Kinect @ v2. / Teke, Burak; Lanz, Minna; Kämäräinen, Joni-Kristian; Hietanen, Antti.
2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018. IEEE, 2018. 8449156.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Real-time depth image-based rendering with layered dis-occlusion compensation and aliasing-free composition. / Smirnov, Sergey; Gotchev, Atanas.
Proceedings of SPIE - The International Society for Optical Engineering. SPIE, 2015. 93990T (SPIE Conference Proceedings; Vol. 9399).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Recent advances in antenna design and interference cancellation algorithms for in-band full duplex relays. / Heino, Mikko; Korpi, Dani; Huusari, Timo; Antonio-Rodríguez, Emilio; Venkatasubramanian, Sathya; Riihonen, Taneli; Anttila, Lauri; Icheln, Clemens; Haneda, Katsuyuki; Wichman, Risto; Valkama, Mikko.

In: IEEE Communications Magazine, Vol. 53, No. 5, 01.05.2015, p. 91-101.

Research output: Contribution to journal › Article › Scientific › peer-review

Red Alert : Break-Glass Protocol to Access Encrypted Medical Records in the Cloud. / De Oliveira, Marcela Tuler; Michalas, Antonis; Groot, Adrien E.D.; Marquering, Henk A.; Olabbarriaga, Silvia Delgado.

2019 IEEE International Conference on E-Health Networking, Application and Services, HealthCom 2019. IEEE, 2019. 9009598.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Reduced Order Internal Models in the Frequency Domain. / Laakkonen, Petteri; Paunonen, Lassi.

In: IEEE Transactions on Automatic Control, Vol. 63, No. 6, 2018, p. 1806-1812.

Research output: Contribution to journal › Article › Scientific › peer-review

Redundancy-based visual tool center point pose estimation for long-reach manipulators. / Mäkinen, Petri; Mustalahti, Pauli; Launis, Sirpa; Mattila, Jouni.

2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020. IEEE, 2020. p. 1387-1393 (IEEE/ASME International Conference on Advanced Intelligent Mechatronics).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Regularized extreme learning machine for multi-view semi-supervised action recognition. / Iosifidis, Alexandros; Tefas, Anastasios; Pitas, Ioannis.

In: Neurocomputing, Vol. 145, 05.12.2014, p. 250-262.

Research output: Contribution to journal › Article › Scientific › peer-review

Rethinking Playing Research : DJ HERO and Methodological Observations in the Mix. / Karppi, Tero; Sotamaa, Olli.

In: SIMULATION AND GAMING, Vol. 43, No. 3, 06.2012, p. 413-429.

Research output: Contribution to journal › Article › Scientific › peer-review

Revealing differences in gene network inference algorithms on the network level by ensemble methods. / Altay, Gökmen; Emmert-Streib, Frank.

In: Bioinformatics, Vol. 26, No. 14, btq259, 25.05.2010, p. 1738-1744.

Research output: Contribution to journal › Article › Scientific › peer-review

Revisiting gray pixel for statistical illumination estimation. / Qian, Yanlin; Pertuz, Said; Nikkanen, Jarno; Kämäräinen, Joni-Kristian; Matas, Jiri.

VISIGRAPP 2019 - Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications. ed. / Andreas Kerren; Christophe Hurter; Jose Braz. SCITEPRESS, 2019. p. 36-46.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

RF tag front-end design for uncompromised communication and harvesting. / Kimionis, John; Tentzeris, Manos M.

2014 IEEE RFID Technology and Applications Conference, RFID-TA 2014. Institute of Electrical and Electronics Engineers Inc., 2014. p. 109-114 6934210.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Roadmap for organic and printed electronics. / Hecker, Klaus; Clemens, Wolfgang; Lupo, Donald; Breitung, Sven.

Smart Systems Integration 2015 - 9th International Conference and Exhibition on Integration Issues of Miniaturized Systems: MEMS, NEMS, ICs and Electronic Components, SSI 2015. Apprimus Verlag, 2015. p. 125-126.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Robust data reconciliation of combustion variables in multi-fuel fired industrial boilers. / Korpela, Timo; Suominen, Olli; Majanne, Yrjö; Laukkanen, Ville; Lautala, Pentti.

In: Control Engineering Practice, Vol. 55, 21.07.2016, p. 101-115.

Research output: Contribution to journal › Article › Scientific › peer-review

Robust linearized combined metrics of image visual quality. / Ieremeiev, Oleg; Lukin, Vladimir; Ponomarenko, Nikolay; Egiazarian, Karen.

Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Robustness in scale-free networks : Comparing directed and undirected networks. / Emmert-Streib, Frank; Dehmer, Matthias.

In: International Journal of Modern Physics C, Vol. 19, No. 5, 05.2008, p. 717-726.

Research output: Contribution to journal › Article › Scientific › peer-review

Robust Output Regulation for Continuous-Time Periodic Systems. / Paunonen, Lassi.

In: IEEE Transactions on Automatic Control, Vol. 62, No. 9, 01.09.2017, p. 4363-4375.

Research output: Contribution to journal › Article › Scientific › peer-review

Robust Regulation of Infinite-Dimensional Port-Hamiltonian Systems. / Humaloja, Jukka-Pekka; Paunonen, Lassi.

In: IEEE Transactions on Automatic Control, Vol. 63, No. 5, 2018.

Research output: Contribution to journal › Article › Scientific › peer-review

Role-based visualization of industrial IoT-based systems. / Mahmoodpour, Mehdi; Lobov, Andrei; Lanz, Minna; Mäkelä, Petteri; Rundas, Niko.

2018 14th IEEE/ASME International Conference on Mechatronics and Embedded Systems and Applications, MESA 2018. IEEE, 2018. 8449183.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Safety at chimney-roof penetration : A numerical investigation. / Neri, Manuela; Perttu, Leppänen; Alanen, Mika; Luscietti, Davide; Pilotelli, Mariagrazia.

Building Simulation Applications, BSA 2019 - 4th IBPSA-Italy Conference. ed. / Giovanni Pernigotto; Francesco Patuzzi; Alessandro Prada; Vincenzo Corrado; Andrea Gasparella. Free University of Bozen Bolzano, 2020. p. 123-130 (Building Simulation Applications; Vol. 2020-June).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

SamExploreR : Exploring reproducibility and robustness of RNA-seq results based on SAM files. / Stupnikov, Alexey; Tripathi, Shailesh; De Matos Simoes, Ricardo; McArt, Darragh; Salto-Tellez, Manuel; Glazko, Galina; Dehmer, Matthias; Emmert-Streib, Frank.

In: Bioinformatics, Vol. 32, No. 21, 01.11.2016, p. 3345-3347.

Research output: Contribution to journal › Article › Scientific › peer-review

SCIP : a single-cell image processor toolbox. / Martins, Leonardo; Neeli-Venkata, Ramakanth; Oliveira, Samuel M.D.; Häkkinen, Antti; Ribeiro, Andre S.; Fonseca, José M.

In: Bioinformatics, Vol. 34, No. 24, 15.12.2018, p. 4318-4320.

Research output: Contribution to journal › Article › Scientific › peer-review

Secure Firmware Updates for IoT : A Survey. / Kolehmainen, Antti.

Proceedings - IEEE 2018 International Congress on Cybermatics: 2018 IEEE Conferences on Internet of Things, Green Computing and Communications, Cyber, Physical and Social Computing, Smart Data, Blockchain, Computer and Information Technology, iThings/GreenCom/CPSCoM/SmartData/Blockchain/CIT 2018. IEEE, 2018. p. 112-117.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Semantic Labeling of Places based on Phone Usage Features using Supervised Learning. / Rivero Rodriguez, Alejandro; Leppäkoski, Helena; Piché, Robert.

2014 Ubiquitous Positioning Indoor Navigation and Location Based Service, UPINLBS 2014 - Conference Proceedings. Piscataway, NJ, USA : IEEE, 2015. p. 97-102 7033715.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Serverless : What it Is, What to Do and What Not to Do. / Nupponen, Jussi; Taibi, Davide.

2020 IEEE International Conference on Software Architecture Companion, ICSA-C 2020. IEEE, 2020. p. 49-50.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Service-oriented approach to improve interoperability of e-learning systems. / Karavirta, Ville; Ithantola, Petri; Koskinen, Teemu.
Proceedings - 2013 IEEE 13th International Conference on Advanced Learning Technologies, ICAALT 2013. 2013. p. 341-345 6601947.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

sgnesR : An R package for simulating gene expression data from an underlying real gene network structure considering delay parameters. / Tripathi, Shailesh; Lloyd-Price, Jason; Ribeiro, Andre; Yli-Harja, Olli; Dehmer, Matthias; Emmert-Streib, Frank.

In: BMC Bioinformatics, Vol. 18, No. 1, 325, 04.07.2017.

Research output: Contribution to journal > Article > Scientific > peer-review

Short-range supercontinuum based lidar for combustion diagnostics. / Saleh, Abba; Ryczkowski, Piotr; Genty, Goery; Toivonen, Juha.

SPIE Future Sensing Technologies. ed. / Masafumi Kimata; Christopher R. Valenta. SPIE, IEEE, 2019. 111970Y (Proceedings of SPIE; Vol. 11197).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Short-term power load forecasting using grey correlation contest modeling. / Jin, Min; Zhou, Xiang; Zhang, Zhi M.; Tentzeris, Manos M.

In: Expert Systems with Applications, Vol. 39, No. 1, 01.2012, p. 773-779.

Research output: Contribution to journal > Article > Scientific > peer-review

Simulation of oxygen exchange of SnO₂ surface. / Pulkkinen, Ulla; Rantala, Tapio T.; Rantala, Tuomo S.; Lantto, Vilho.

In: Computer Physics Communications, Vol. 121, 09.1999, p. 720.

Research output: Contribution to journal > Article > Scientific > peer-review

Simultaneous binary hash and features learning for image retrieval. / Frantc, V. A.; Makov, S. V.; Voronin, V. V.; Marchuk, V. I.; Semenishchev, E. A.; Egiazarian, K. O.; Agaian, S.

Mobile Multimedia/Image Processing, Security, and Applications 2016. SPIE, 2016. 986902 (SPIE Conference Proceedings; Vol. 9869).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Single exposure lensless subpixel phase imaging. / Kocsis, Péter; Shevkunov, Igor; Katkovnik, Vladimir; Egiazarian, Karen

Digital Optical Technologies 2019. ed. / Bernard C. Kress; Peter Schelkens. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 11062).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

SkyMedia - UAV-based capturing of HD/3D content with WSN augmentation for immersive media experiences. / Neri, M.; Campi, A.; Suffritti, R.; Grimaccia, F.; Sinogas, P.; Guye, O.; Papin, C.; Michalareas, T.; Gazdag, L.; Rakkolainen, I.

Electronic Proceedings of the 2011 IEEE International Conference on Multimedia and Expo, ICME 2011. 2011. 6012133.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Smart home gateway system over Bluetooth low energy with wireless energy transfer capability. / Galinina, Olga; Mikhaylov, Konstantin; Andreev, Sergey; Turlikov, Andrey; Koucheryavy, Yevgeni.

In: Eurasip Journal on Wireless Communications and Networking, Vol. 2015, No. 1, 178, 2015.

Research output: Contribution to journal > Article > Scientific > peer-review

Smartphone teleoperation for self-balancing telepresence robots. / Ainasoja, Antti E.; Pertuz, Said; Kämäräinen, Joni-Kristian.

VISIGRAPP 2019 - Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications. ed. / Andreas Kerren; Christophe Hurter; Jose Braz. SCITEPRESS, 2019. p. 561-568.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Social interaction in games. / Stenros, Jaakko; Paavilainen, Janne; Mäyrä, Frans.

In: International Journal of Arts and Technology, Vol. 4, No. 3, 07.2011, p. 342-358.

Research output: Contribution to journal › Article › Scientific › peer-review

Socially inspired relaying and proactive mode selection in mmWave vehicular communications. / Moltchanov, Dmitri; Kovalchukov, Roman; Gerasimenko, Mikhail; Andreev, Sergey; Koucheryavy, Yevgeni; Gerla, Mario.
In: IEEE Internet of Things Journal, Vol. 6, No. 3, 01.06.2019, p. 5172-5183.

Research output: Contribution to journal › Article › Scientific › peer-review

Social media overload, exhaustion, and use discontinuance : Examining the effects of information overload, system feature overload, and social overload. / Fu, Shaoxiong; Li, Hongxiu; Liu, Yong; Pirkkalainen, Henri; Salo, Markus.
In: INFORMATION PROCESSING AND MANAGEMENT, Vol. 57, No. 6, 102307, 2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Social Network Games : Players' Perspectives. / Paavilainen, Janne; Hamari, Juho; Stenros, Jaakko; Kinnunen, Jani.
In: SIMULATION AND GAMING, Vol. 44, No. 6, 12.2013, p. 794-820.

Research output: Contribution to journal › Article › Scientific › peer-review

Soft computing-based controller design for a telecom rectifier. / Gadoura, Idris; Suntio, Teuvo; Zenger, Kai; Vallittu, Petri. SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications. ed. / Jarno Martikainen. Institute of Electrical and Electronics Engineers Inc., 1999. p. 80-85 782712 (SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Soft robotic gripper with compliant cell stacks for industrial part handling. / Netzev, Metodi; Angleraud, Alexandre; Pieters, Roel.

In: IEEE Robotics and Automation Letters, Vol. 5, No. 4, 01.10.2020, p. 6821-6828.

Research output: Contribution to journal › Article › Scientific › peer-review

Software visualization today - Systematic literature review. / Mattila, Anna-Liisa; Ihantola, Petri; Kilamo, Terhi; Luoto, Antti; Nurminen, Mikko; Väättäjä, Heli.

AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM, 2016. p. 262-271.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Spectral and energy efficiency of ultra-dense networks under different deployment strategies. / Yunas, Syed; Valkama, Mikko; Niemelä, Jarno.

In: IEEE Communications Magazine, Vol. 53, No. 1, 01.01.2015, p. 90-100.

Research output: Contribution to journal › Article › Scientific › peer-review

Stability-Guaranteed Force-Sensorless Contact Force/Motion Control of Heavy-Duty Hydraulic Manipulators. / Koivumäki, Janne; Mattila, Jouni.

In: IEEE Transactions on Robotics, Vol. 31, No. 4, 01.08.2015, p. 918-935.

Research output: Contribution to journal › Article › Scientific › peer-review

Standard-compliant multiview video coding and streaming for virtual reality applications. / Kammachi-Sreedhar, Kashyap; Aminlou, Alireza; Hannuksela, Miska M.; Gabbouj, Moncef.

2016 IEEE International Symposium on Multimedia (ISM). IEEE, 2017. p. 295-300.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Statistical short-term network planning of distribution system and distributed generation. / Repo, Sami; Laaksonen, Hannu; Järventausta, Pertti.

2005. Paper presented at 15th Power Systems Computation Conference, PSCC 2005, Liege, Belgium.

Research output: Other conference contribution › Paper, poster or abstract › Scientific

Still image/video frame lossy compression providing a desired visual quality. / Zemliachenko, Alexander; Lukin, Vladimir; Ponomarenko, Nikolay; Egiazarian, Karen; Astola, Jaakko.

In: Multidimensional Systems and Signal Processing, Vol. 27, No. 3, 2016, p. 697-718.

Research output: Contribution to journal › Article › Scientific › peer-review

Stochastic Sznajd Model in open community. / Emmert-Streib, Frank.

In: International Journal of Modern Physics C, Vol. 16, No. 11, 11.2005, p. 1693-1699.

Research output: Contribution to journal > Article > Scientific > peer-review

Structural Measures for Network Biology Using QuACN. / Mueller, Laurin A. J.; Kugler, Karl G.; Graber, Armin; Emmert-Streib, Frank; Dehmer, Matthias.

In: BMC Bioinformatics, Vol. 12, No. 1, 492, 24.12.2011.

Research output: Contribution to journal > Article > Scientific > peer-review

Studying the Elusive Experience in Pervasive Games. / Stenros, Jaakko; Waern, Annika; Montola, Markus.

In: SIMULATION AND GAMING, Vol. 43, No. 3, 06.2012, p. 339-355.

Research output: Contribution to journal > Article > Scientific > peer-review

Summarization of User-Generated Sports Video by Using Deep Action Recognition Features. / Tejero-de-Pablos, Antonio; Nakashima, Yuta; Sato, Tomokazu; Yokoya, Naokazu; Linna, Marko; Rahtu, Esa.

In: IEEE Transactions on Multimedia, Vol. 20, No. 8, 08.2018, p. 2000-2011.

Research output: Contribution to journal > Article > Scientific > peer-review

Switchable unidirectional second-harmonic emission through GaAs nanoantennas. / 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.

AOS Australian Conference on Optical Fibre Technology, ACOFT 2019 and Australian Conference on Optics, Lasers, and Spectroscopy, ACOLS 2019. ed. / Arnan Mitchell; Halina Rubinsztein-Dunlop. SPIE, 2019. 112000J (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 11200).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Systematic integration of flowgraph- and module-level parallelism in implementation of DSP applications on multiprocessor systems-on-chip. / Zhou, Zheng; Shen, Chung Ching; Plishker, William; Wu, Hsiang Huang; Bhattacharyya, Shuvra S.

ICSP 2012 - 2012 11th International Conference on Signal Processing, Proceedings. Vol. 1 2012. p. 402-408 6491686.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

System integration for real-time mobile manipulation. / Oftadeh, Reza; Aref, Mohammad M.; Ghabcheloo, Reza; Mattila, Jouni.

In: international Journal of Advanced Robotic Systems, Vol. 11, No. 1, 51, 28.03.2014.

Research output: Contribution to journal > Article > Scientific > peer-review

System-level analysis of IEEE 802.11ah technology for unsaturated MTC traffic. / Ometov, Aleksandr; Daneshfar, Nader; Hazmi, Ali; Andreev, Sergey; Del Carpio, Luis Felipe; Amin, Parth; Torsner, Johan; Koucheryav, Yevgeni; Valkama, Mikko.

In: International Journal of Sensor Networks, Vol. 26, No. 4, 2018, p. 269-282.

Research output: Contribution to journal > Article > Scientific > peer-review

Tailoring directional scattering of second-harmonic generation from (111)-GaAs nanoantennas. / 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.

AOS Australian Conference on Optical Fibre Technology, ACOFT 2019 and Australian Conference on Optics, Lasers, and Spectroscopy, ACOLS 2019. ed. / Arnan Mitchell; Halina Rubinsztein-Dunlop. SPIE, 2019. 112000H (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 11200).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Task-based information interaction evaluation : The viewpoint of program theory. / Järvelin, Kalervo; Vakkari, Pertti; Arvola, Paavo; Baskaya, Feza; Järvelin, Anni; Kekäläinen, Jaana; Keskustalo, Heikki; Kumpulainen, Sanna; Saastamoinen, Miamaria; Savolainen, Reijo; Sormunen, Eero.

In: ACM Transactions on Information Systems, Vol. 33, No. 1, 3, 01.03.2015.

Research output: Contribution to journal > Article > Scientific > peer-review

Technoeconomical Analysis of Macrocell and Femtocell Based HetNet under Different Deployment Constraints. / Yunas, Syed Fahad; Ansari, Waqas H.; Valkama, Mikko.
In: Mobile Information Systems, Vol. 2016, 6927678, 2016.
Research output: Contribution to journal › Article › Scientific › peer-review

Technologies for Efficient Amateur Drone Detection in 5G Millimeter-Wave Cellular Infrastructure. / Solomitskii, Dmitrii; Gapeyenko, Margarita; Semkin, Vasilii; Andreev, Sergey; Koucheryavy, Yevgeni.
In: IEEE Communications Magazine, Vol. 56, No. 1, 01.01.2018, p. 43-50.
Research output: Contribution to journal › Article › Scientific › peer-review

Temporal dimensions of affect in user experience of digital news in the field. / Jumisko-Pyykkö, Satu; Pesonen, Emilia; Väättäjä, Heli.
AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM, 2016. p. 192-197.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Texture detection in noisy images by combining several local parameters. / Naumenko, Alexey; Krivenko, Sergey; Ponomarenko, Nikolay; Zelensky, Alexander; Lukin, Vladimir.
2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings. Institute of Electrical and Electronics Engineers Inc., 2015. p. 230-233 7357321.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

The assessment of constructability : BIM cases. / Tauriainen, Matti K.; Puttonen, Jari A.; Saari, Arto J.
In: Journal of Information Technology in Construction, Vol. 20, 01.01.2015, p. 51-67.
Research output: Contribution to journal › Article › Scientific › peer-review

The effect of lake bottom sediment layers on radionuclide transport from bedrock to biosphere and doses to humans. / Pohjola, Jari; Turunen, Jari; Lipping, Tarmo.
2017. 439-440 Paper presented at 4th International Conference on Radioecology & Environmental Radioactivity, Berlin, Germany.
Research output: Other conference contribution › Paper, poster or abstract › Scientific

The effect of percutaneous transluminal angioplasty of superficial femoral artery on pulse wave features. / Peltokangas, Mikko; Suominen, Velipekka; Vakhitov, Damir; Verho, Jarmo; Korhonen, Janne; Leikkala, Jukka; Vehkaoja, Antti; Oksala, Niku.
In: Computers in Biology and Medicine, Vol. 96, 01.05.2018, p. 274-282.
Research output: Contribution to journal › Article › Scientific › peer-review

The Effect of Ultrasonic Dispersion on the Surface Chemistry of Carbon Nanotubes in the Jeffamine D-230 Polyetheramine Medium. / Shahshahan, Mohsen; Keinänen, Pasi; Vuorinen, Jyrki.
In: IEEE Transactions on Nanotechnology, Vol. 16, No. 5, 01.09.2017, p. 741-744.
Research output: Contribution to journal › Article › Scientific › peer-review

The emerging application ecosystems : An introductory analysis of android ecosystem. / Hyrynsalmi, Sami; Suominen, Arho; Mäkilä, Tuomas; Knuutila, Timo.
In: INTERNATIONAL JOURNAL OF E-BUSINESS RESEARCH, Vol. 10, No. 2, 01.04.2014, p. 61-81.
Research output: Contribution to journal › Article › Scientific › peer-review

The Fisher-Snedecor F Distribution : A Simple and Accurate Composite Fading Model. / Yoo, Seong Ki; Cotton, Simon L.; Sofotasios, Paschalis C.; Matthaiou, Michail; Valkama, Mikko; Karagiannidis, George K.
In: IEEE Communications Letters, Vol. 21, No. 7, 01.07.2017, p. 1661-1664.
Research output: Contribution to journal › Article › Scientific › peer-review

The internet of Bio-Nano things. / Akyildiz, I. F.; Pierobon, M.; Balasubramaniam, S.; Koucheryavy, Y.
In: IEEE Communications Magazine, Vol. 53, No. 3, 01.03.2015, p. 32-40.
Research output: Contribution to journal › Article › Scientific › peer-review

The Internet of Things and Sensor Networks. / Andreev, Sergey; Dobre, Ciprian.

In: IEEE Communications Magazine, Vol. 57, No. 9, 01.09.2019, p. 70-70.

Research output: Contribution to journal › Editorial › Scientific

The lord of the sense : A privacy preserving reputation system for participatory sensing applications. / Michalakis, Antonis; Komninos, Nikos.

2014 IEEE Symposium on Computers and Communications, ISCC 2014 - Proceedings. Institute of Electrical and Electronics Engineers Inc., 2014. 6912480.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

The magical world of metamaterials. / Caglayan, Humejra; Ozbay, Ekmel.

Photonic Materials, Devices, and Applications III. Vol. 7366 2009. 73660X (Proceedings of SPIE; Vol. 7366).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Thermal effects on a passive wireless antenna sensor for strain and crack sensing. / Yi, Xiaohua; Vyas, Rushi; Cho, Chunhee; Fang, Chia Hung; Cooper, James; Wang, Yang; Leon, Roberto T.; Tentzeris, Manos M.

Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2012. Vol. 8345 2012. 83450F.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Thickness variation study of RFID-based folded patch antennas for strain sensing. / Yi, Xiaohua; Wu, Terence; Lantz, Gabriel; Wang, Yang; Leon, Roberto T.; Tentzeris, Manos M.

Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2011. Vol. 7981 2011. 79811H.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Time-Dependent Energy and Resource Management in Mobility-Aware D2D-Empowered 5G Systems. / Orsino, Antonino; Samuylov, Andrey; Moltchanov, Dmitri; Andreev, Sergey; Militano, Leonardo; Araniti, Giuseppe; Koucheryavy, Yevgeni.

In: IEEE Wireless Communications, Vol. 24, No. 4, 2017, p. 14-22.

Research output: Contribution to journal › Article › Scientific › peer-review

TinderMIX : Time-dose integrated modelling of toxicogenomics data. / Serra, Angela; Fratello, Michele; Del Giudice, Giusy; Saarimäki, Laura Aliisa; Paci, Michelangelo; Federico, Antonio; Greco, Dario.

In: GigaScience, Vol. 9, No. 5, 01.05.2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Towards a channel capacity of communication networks. / Emmert-Streib, Frank; Dehmer, Matthias.

Proc. - 2008 1st International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems. Medical Applications of the Complex Systems. Biomedical Computing, CANS 2008. 2008. p. 94-99 5231493.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Towards a conceptual framework for privacy protection in the use of interactive 360° video surveillance. / Chaudhary, Sunil; Berki, Eleni; Nykänen, Pirkko; Zolotavkin, Yevhen; Helenius, Marko; Kela, Juha.

2016 22nd International Conference on Virtual System & Multimedia (VSMM). IEEE, 2017.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Towards an approach for evaluating the quality of requirements. / Mokammel, Faisal; Coatanea, Eric; Christophe, Francois; Ba Khouya, Mohamed; Medyna, Galina.

33rd Computers and Information in Engineering Conference. Vol. 2 B American Society of Mechanical Engineers, 2013. V02BT02A024.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Towards certifying the testing process of open-source software : New challenges or old methodologies? / Morasca, Sandro; Taibi, Davide; Tosi, Davide.

Proceedings of the 2009 ICSE Workshop on Emerging Trends in Free/Libre/Open Source Software Research and Development, FLOSS 2009. 2009. p. 25-30 5071356.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Towards dependable automation. / Seppälä, Jari; Salmenperä, Mikko.

Cyber Security: Analytics, Technology and Automation: Part IV. Springer International Publishing, 2015. p. 229-249 (Intelligent Systems, Control and Automation: Science and Engineering; Vol. 78).

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Towards detecting structural branching and cyclicity in graphs : A polynomial-based approach. / Dehmer, Matthias; Chen, Zengqiang; Emmert-Streib, Frank; Mowshowitz, Abbe; Shi, Yongtang; Tripathi, Shailesh; Zhang, Yusen.

In: Information Sciences, Vol. 471, 01.01.2019, p. 19-28.

Research output: Contribution to journal › Article › Scientific › peer-review

Towards secure cloud orchestration for multi-cloud deployments. / Paladi, Nicolae; Michalas, Antonios; Dang, Hai Van.

CrossCloud 2018 - 5th Workshop on CrossCloud Infrastructures and Platforms, colocated with EuroSys 2018. ACM, 2018. a4.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Towards semantic self-description of industrial devices and control system interfaces. / Hästbacka, David; Zoitl, Alois.

2016 IEEE International Conference on Industrial Technology (ICIT) . Institute of Electrical and Electronics Engineers IEEE, 2016. p. 879-884.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Towards sustainable manufacturing by extending Manufacturing Execution System functions. / Lobov, Andrei; Haapala, Karl R.

2019 IEEE International Conference on Industrial Technology, ICIT 2019. IEEE, 2019. p. 1329-1335.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Towards the Utilization of Crowdsourcing in Traffic Condition Reporting. / Rantanen, Petri; Sillberg, Pekka; Soini, Jari.

2017 40th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2017 - Proceedings. IEEE, 2017. p. 985-990.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Toward trusted, social-aware D2D connectivity : Bridging across the technology and sociality realms. / 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.

In: IEEE Wireless Communications, Vol. 23, No. 4, 01.08.2016, p. 103-111.

Research output: Contribution to journal › Article › Scientific › peer-review

Trading exploits online : A preliminary case study. / Ruohonen, Jukka; Hyrynsalmi, Sami; Leppänen, Ville.

IEEE RCIS 2016 - IEEE 10th International Conference on Research Challenges in Information Science. IEEE COMPUTER SOCIETY PRESS, 2016.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Transfer learning using a nonparametric sparse topic model. / Faisal, Ali; Gillberg, Jussi; Leen, Gayle; Peltonen, Jaakko.

In: Neurocomputing, Vol. 112, 18.07.2013, p. 124-137.

Research output: Contribution to journal › Article › Scientific › peer-review

Transforming homo economicus into homo ludens : A field experiment on gamification in a utilitarian peer-to-peer trading service. / Hamari, Juh.

In: Electronic Commerce Research and Applications, Vol. 12, No. 4, 07.2013, p. 236-245.

Research output: Contribution to journal › Article › Scientific › peer-review

Transmit Power Optimization and Feasibility Analysis of Self-backhauling Full-Duplex Radio Access Systems. / Korpi, Dani; Riihonen, Taneli; Sabharwal, Ashutosh; Valkama, Mikko.
In: IEEE Transactions on Wireless Communications, Vol. 17, No. 6, 2018, p. 4219-4236.
Research output: Contribution to journal > Article > Scientific > peer-review

Transparency of intentions decreases privacy concerns in ubiquitous surveillance. / Oulasvirta, Antti; Suomalainen, Tiia; Hamari, Juho; Lampinen, Airi; Karvonen, Kristiina.
In: CYBERPSYCHOLOGY BEHAVIOR AND SOCIAL NETWORKING, Vol. 17, No. 10, 2014.
Research output: Contribution to journal > Article > Scientific > peer-review

Tree species classification using structural features derived from terrestrial laser scanning. / Terryn, Louise; Calders, Kim; Disney, Mathias; Origo, Niall; Malhi, Yadvinder; Newnham, Glenn; Raunonen, Pasi; Åkerblom, Markku; Verbeeck, Hans.
In: ISPRS Journal of Photogrammetry and Remote Sensing, Vol. 168, 01.10.2020, p. 170-181.
Research output: Contribution to journal > Article > Scientific > peer-review

Tuberculosis transmission : Modelled impact of air-tightness in dwellings in the UK. / Taylor, Jonathon; Altamirano-Medina, Hector; Shrubsole, Clive; Das, Payel; Biddulph, Phillip; Davies, Michael; Mavrogianni, Anna; Oikonomou, Eleni.
2014. 60-67 Paper presented at 13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014, Hong Kong, Hong Kong.
Research output: Other conference contribution > Paper, poster or abstract > Scientific

Two models for hydraulic cylinders in flexible multibody simulations. / Ylinen, Antti; Mäkinen, Jari; Kouhia, Reijo.
Computational Methods for Solids and Fluids: Multiscale Analysis, Probability Aspects and Model Reduction. Springer, 2016. p. 463-493 (Computational Methods in Applied Sciences; Vol. 41).
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

UAV-Aided Interference Assessment for Private 5G NR Deployments : Challenges and Solutions. / Urama, Jani; Wiren, Richard; Galinina, Olga; Kauppi, Juhani; Hiltunen, Kimmo; Erkkilä, Juha; Chernogorov, Fedor; Eteläaho, Pentti; Heikkilä, Marjo; Torsner, Johan; Andreev, Sergey; Valkama, Mikko.
In: IEEE Communications Magazine, Vol. 58, No. 8, 2020, p. 89-95.
Research output: Contribution to journal > Article > Scientific > peer-review

Ultra-large mode area single frequency anisotropic MOPA with double clad Yb-doped tapered fiber. / Noronen, Teppo; Fedotov, Andrei; Rissanen, Joonas; Gumenyuk, Regina; Butov, Oleg; Chamorovskii, Yuri; Golant, Konstantin; Odnoblyudov, Maxim; Filippov, Valery.
Fiber Lasers XV: Technology and Systems. SPIE, IEEE, 2018. 105121T (Proceedings of SPIE; Vol. 10512).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Uncertainty propagation of iron loss from characterization measurements to computation of electrical machines. / Belahcen, Anouar; Rasilo, Paavo; Nguyen, Thu Trang; Clénet, Stéphane.
In: COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, Vol. 34, No. 3, 2015, p. 624-636.
Research output: Contribution to journal > Article > Scientific > peer-review

Understanding social OER environments-A quantitative study on factors influencing the motivation to share and collaborate. / Pirkkalainen, Henri; Jokinen, Jussi P P; Pawlowski, Jan M.
In: IEEE Transactions on Learning Technologies, Vol. 7, No. 4, 6823168, 01.10.2014, p. 388-400.
Research output: Contribution to journal > Article > Scientific > peer-review

Unite and conquer : Univariate and multivariate approaches for finding differentially expressed gene sets. / Glazko, Galina V.; Emmert-Streib, Frank.
In: Bioinformatics, Vol. 25, No. 18, 09.2009, p. 2348-2354.
Research output: Contribution to journal > Article > Scientific > peer-review