

- Dongho-Nguimdo GM, Igumbor E, Zambou S, Joubert DP. 2019. First principles prediction of the solar cell efficiency of chalcopyrite materials  $\text{AgMX}_2$  (M=In, Al; X=S, Se, Te). *Computational Condensed Matter*. 21. <https://doi.org/10.1016/j.cocom.2019.e00391>
- He H, Chen X, Ukkonen L, Virkki J. 2019. Clothing-Integrated Passive RFID Strain Sensor Platform for Body Movement-Based Controlling. In 2019 IEEE International Conference on RFID Technology and Applications (RFID-TA). IEEE. pp. 236-239. <https://doi.org/10.1109/RFID-TA.2019.8892118>
- Ahmed S, Mehmood A, Sydänheimo L, Ukkonen L, Björninen T. 2019. Glove-Integrated Textile Antenna with Reduced SAR for Wearable UHF RFID Reader. In 2019 IEEE International Conference on RFID Technology and Applications (RFID-TA). IEEE. pp. 231-235. <https://doi.org/10.1109/RFID-TA.2019.8892251>
- Viheriälä J, Aho AT, Virtanen H, Reuna J, Lyytikäinen J, Guina M. 2019. High Peak Power Laser Diodes for Eye Safe LIDAR with Integrated Wavelength Locking Element. In 2019 Conference on Lasers and Electro-Optics Europe European Quantum Electronics Conference (CLEO/Europe-EQEC). IEEE. <https://doi.org/10.1109/CLEOE-EQEC.2019.8872661>
- Kanerva M, Besharat Z, Pärnänen T, Jokinen J, Honkanen M, Sarlin E, Göthelid M, Schlenzka D. 2019. Automatization and stress analysis data of CoCr laser weld fatigue tests. *Data in Brief*. 26. <https://doi.org/10.1016/j.dib.2019.104374>
- Allahham MHDS, Al-Sa'd MF, Al-Ali A, Mohamed A, Khattab T, Erbad A. 2019. DroneRF dataset: A dataset of drones for RF-based detection, classification and identification. *Data in Brief*. 26. <https://doi.org/10.1016/j.dib.2019.104313>
- Wu L, Looi CK, Multisilta J, How ML, Choi H, Hsu TC, Tuomi P. 2019. Teacher's Perceptions and Readiness to Teach Coding Skills: A Comparative Study Between Finland, Mainland China, Singapore, Taiwan, and South Korea. *Asia-Pacific Education Researcher*. <https://doi.org/10.1007/s40299-019-00485-x>
- Sandström N, Nevgi A, Nenonen S. 2019. Participatory service design and community involvement in designing future-ready sustainable learning landscapes. In SBE 19 - Emerging Concepts for Sustainable Built Environment 22-24 May 2019, Helsinki, Finland. IOP Publishing. (IOP Conference Series: Earth and Environmental Science). <https://doi.org/10.1088/1755-1315/297/1/012031>
- Ma S, Pournoori N, Sydänheimo L, Ukkonen L, Björninen T, Georgiadis A. 2019. A Batteryless Semi-Passive RFID Sensor Platform. In 2019 IEEE International Conference on RFID Technology and Applications (RFID-TA). IEEE. pp. 171-173. <https://doi.org/10.1109/RFID-TA.2019.8892176>
- Merilampi S, Ihanakangas V, Virkki J. 2019. User-driven development with scientific applied research - RFID-controlled physiogame case study. In 2019 IEEE International Conference on RFID Technology and Applications (RFID-TA). IEEE. pp. 167-170. <https://doi.org/10.1109/RFID-TA.2019.8892150>
- Vuori V, Bor S, Polsa P, Käpylä J, Helander N. 2019. Discovering collaborative and inclusive solutions to co-create multidimensional value in cross-sector collaboration. In Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management: 17-19 September, 2019, Vienna, Austria. SCITEPRESS. pp. 364-369. (IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management).
- Solodko A, Mäkinen S, Lasheras NC, Bedolla JS, Saari U. 2019. Research-industry collaboration: a review of the literature on evaluation methods and motivations. In PICMET 2019 Conference: August 25-29, 2019, Portland, Oregon, USA. Portland.
- Silverajan B, Vistiaho P. 2019. Enabling cybersecurity incident reporting and coordinated handling for maritime sector. In 2019 14th Asia Joint Conference on Information Security, AsiaJCIS 2019. IEEE. pp. 88-95. <https://doi.org/10.1109/AsiaJCIS.2019.000-1>

- Yang D, Qian Y, Cai D, Yan S, Kämäräinen J-K, Chen K. 2019. Visibility-Aware Part Coding for Vehicle Viewing Angle Estimation. In 9th International Conference on Information Science and Technology, ICIST 2019. IEEE. pp. 65-70. <https://doi.org/10.1109/ICIST.2019.8836907>
- Mishra K, Krogerus T, Huhtala K. 2019. Profile extraction and deep autoencoder feature extraction for elevator fault detection. Callegari C, editor. In 16th International Conference on Signal Processing and Multimedia Applications: SIGMAP 2019, 26-28 July, 2019, Prague, Czech Republic. 2019 ed. Prague, Czech Republic: SCITEPRESS. pp. 313-320. <https://doi.org/10.5220/0007802003130320>
- Juuti T, Pakkanen J, Lehtonen T. 2019. Empirical study of good, bad and ugly modular engineering solutions in machinery manufacturing industry. In Proceedings of the Design Society: International Conference on Engineering Design: The 22nd International Conference on Engineering Design, ICED19, Delft, The Netherlands, 5-8 August 2019. Cambridge University Press. pp. 2981-2990. (Proceedings of the Design Society: International Conference on Engineering Design ). <https://doi.org/10.1017/dsi.2019.305>
- Martinsuo M, Vuorinen L. 2019. Actors' agency in the routines of innovation project portfolio management. In Proceedings of the EURAM European Academy of Management Conference 2019: 26-28 June 2019, Lisbon, Portugal. European Academy of Management, EURAM. (EURAM conference).
- Ellman A, Tiainen T. 2019. Diffusion of innovation: Case of co-design of cabins in mobile work machine industry. Computers. 8(2). <https://doi.org/10.3390/computers8020039>
- Vuori V, Helander N. 2019. Knowledge management practices to overcome network-level knowledge barriers: an artificial intelligence powered literature review. In Proceedings of International Forum on Knowledge Asset Dynamics 2019: 5-7 June 2019, Matera, Italy. (IFKAD Proceedings eBooks).
- Hajikazemi S, Ahola T, Aaltonen K, Aarseth W, Andersen B. 2019. Normalization of deviance in the construction industry, a managerial perspective. In European Academy of Management Conference 2019, EURAM: 26-28 June, Lissabon, Portugal. (European academy of management annual conference).
- Ahola T, Martinsuo M. 2019. The circular economy of projects. In European Academy of Management Conference EURAM 2019: 26-28 June, Lisbon, Portugal. (European academy of management annual conference).
- Kahle H, Phung H-M, Penttinen J-P, Rajala P, Tukiainen A, Ranta S, Guina M. 2019. Double-side pumped membrane external-cavity surface-emitting laser (MECSEL) with increased efficiency emitting > 3 W in the 780 nm region. In 2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE. <https://doi.org/10.23919/CLEO.2019.8749958>
- Abdallah Z, Stefszky M, Ulvila V, Silberhorn C, Vainio M. 2019. Frequency Comb Generation in a Continuous-Wave Pumped Second-Order Nonlinear Waveguide Resonator. In 2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE. <https://doi.org/10.23919/CLEO.2019.8750403>
- Saad-Bin-Alam M, Reshef O, Huttunen MJ, Carlow G, Sullivan B, Menard JM, Dolgaleva K, Boyd RW. 2019. High-Q resonance train in a plasmonic metasurface. In 2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE. <https://doi.org/10.23919/CLEO.2019.8750206>
- Sadiek I, Mikkonen T, Vainio M, Toivonen J, Foltynowicz A. 2019. Optical Frequency Comb Photoacoustic Spectroscopy. In 2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE. <https://doi.org/10.23919/CLEO.2019.8749688>
- Silverajan B, Zhao H, Kamath A. 2019. A Semantic Meta-Model Repository for Lightweight M2M. In 2018 IEEE International Conference on Communication Systems, ICCS 2018. IEEE. pp. 468-472. <https://doi.org/10.1109/ICCS.2018.8689185>
- Leivo V, Sarlin E, Suonketo J, Pikkuvirta J, Pentti M. 2019. Muovipäälysteisten lattioiden vaurioituminen kosteuden vaikutuksesta. In Sisäilmastoseminaari 2019: 14.3.2019 : Sisäilmayhdistys raportti 37. SIY SISÄILMATIETO OY. pp. 383-388. (SIY Raportti; 37).

Rissanen J, Fedotov A, Noronen T, Gumenyuk R, Chamorovskii Y, Kolosovskii A, Voloshin V, Vorobev I, Odnoblyudov M, Filippov V. 2019. Large mode area double clad ytterbium tapered fiber with circular birefringency. Carter AL, Dong L, editors. In Proceedings of SPIE : Fiber Lasers XVI: Technology and Systems. SPIE-INT SOC OPTICAL ENGINEERING. (Proceedings of SPIE). <https://doi.org/10.1117/12.2508811>

Fedotov A, Pominova D, Orlovskaya E, Orlovskii Y, Niemi T, Gumenyuk R. 2019. Analysis of upconversion nanoparticles as an active medium for upconversion light sources. In Proceedings of SPIE: Optical Components and Materials XVI. S P I E - International Society for Optical Engineering. (Proceedings of SPIE : the International Society for Optical Engineering). <https://doi.org/10.1117/12.2507599>

Messo T, Roinila T, Aapro A, Luhtala R. 2019. Accurate impedance model of grid-connected inverter for small-signal stability assessment in high-impedance grid. IEEJ JOURNAL OF INDUSTRY APPLICATIONS. 8(3). <https://doi.org/10.23919/IPEC.2018.8507573>

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

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

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

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

Jääskeläinen A, Sillanpää V, Helander N. 2019. A model for profiling information and knowledge management in the public sector. In Proceedings of 14th IFKAD 2019 conference: Matera, Italy, 5-7 June. . (Proceedings IFKAD).

Zakeri FS, Bätz M, Jaschke T, Keinert J, Chuchvara A. 2019. Benchmarking of several disparity estimation algorithms for light field processing. Bazeille S, Verrier N, Cudel C, editors. In Fourteenth International Conference on Quality Control by Artificial Vision. SPIE, IEEE. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2521747>

Hellsten P, Myllärniemi J. 2019. Business intelligence process model revisited. Bernardino J, Salgado A, Filipe J, editors. In IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management. SCITEPRESS. pp. 341-348. (IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management).

Myllärniemi J, Helander N, Pekkola S. 2019. Challenges in developing data-based value creation. Bernardino J, Salgado A, Filipe J, editors. In IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management. SCITEPRESS. pp. 370-376. (IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management).

Jussila J, Kukkamäki J, Helander N. 2019. Co-creating digital services for citizens: Activity theory analysis. Bernardino J, Salgado A, Filipe J, editors. In IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management. SCITEPRESS. pp. 285-290. (IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management). <https://doi.org/10.5220/0008349002850290>

Tiitola V, Korhonen T, Laine T, Lyly-Yrjänäinen J. 2019. Dynamics of value in technology inspired value co-creation: Case in homecare value network. In 14th IFKAD 2019 Proceedings: 5-7 June 2019, Matera, Italy. IKAM Centro Studi & Ricerche. (PROCEEDINGS IFKAD).

Sharifzadeh S, Tata J, Tan B. 2019. Farm detection based on deep convolutional neural nets and semi-supervised green texture detection using VIS-NIR satellite image. Hammoudi S, Quix C, Bernardino J, editors. In DATA 2019 - Proceedings of the 8th International Conference on Data Science, Technology and Applications. SCITEPRESS. pp. 100-108. <https://doi.org/10.5220/0007954901000108>

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

Almeida B, Chauhan V, Kandavalli V, Ribeiro A. 2019. Mean and variability in RNA polymerase numbers are correlated to the mean but not the variability in size and composition of Escherichia coli cells. De Maria E, Gamboa H, Fred A, editors. In BIOINFORMATICS 2019 - 10th International Conference on Bioinformatics Models, Methods and Algorithms, Proceedings; Part of 12th International Joint Conference on Biomedical Engineering Systems and Technologies, BIOSTEC 2019. SCITEPRESS. pp. 226-233. <https://doi.org/10.5220/0007456102260233>

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

Pajunen S, Hautala J, Heinisuo M. 2019. Modelling the stressed skin effect by using shell elements with meta-material model. Magazine of Civil Engineering. 86(2):20-29. <https://doi.org/10.18720/MCE.86.3>

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

Piccardi A, Perumbilavil S, Kauranen M, Strangi G, Assanto G. 2019. Random lasing control with optical spatial solitons in nematic liquid crystals. Ribeiro P, Raposo M, Andrews D, editors. In PHOTOPTICS 2019 - Proceedings of the 7th International Conference on Photonics, Optics and Laser Technology. SCITEPRESS. pp. 289-293. <https://doi.org/10.5220/0007575102890293>

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

Gupta J, Kärkkäinen H, Torro O, Mulkamala RR. 2019. Revisiting Social Media Tie Strength in the Era of Data Access Restrictions. In Proceedings of the 11th International Conference on Knowledge Management and Information Systems (KMIS 2019). SCITEPRESS. pp. 187-194. <https://doi.org/10.5220/0008067501870194>

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

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

Garifullin M. 2018. Experimental moment resistance of rectangular hollow section T joints. MATEC Web of Conferences. 245. <https://doi.org/10.1051/mateconf/201824508003>

Riipinen T, Kujanpää V, Komi E, Kilpeläinen P, Savolainen M, Puukko P, Vihinen J, Coatanea E, Mokhtarian H 2018. Industrialization of hybrid and additive manufacturing-Implementation to Finnish industry (HYBRAM). VTT Technical Research Centre of Finland. 66 p. (Research Reports).

Chetan Kumar V, Shiva Prakash SP, Balandin S. 2018. Performance Enhancement Of Optimized Link State Routing Protocol For Health Care Applications In Wireless Body Area Networks. In 2018 23rd Conference of Open Innovations Association (FRUCT). IEEE. pp. 195-203. <https://doi.org/10.23919/FRUCT.2018.8588070>

Kekonen A, Bergelin M, Viik J. 2018. Tutkimuskatsaus: Uusia menetelmiä haavan paranemisen arviointiin ja seurantaan. HAAVA. 20(3):30-32.

Kirjavainen J, Mäkinen S, Sommarberg M. 2018. The Effects of Product Line Length on Firm Performance. In 2018 Portland International Conference on Management of Engineering and Technology (PICMET). IEEE. <https://doi.org/10.23919/PICMET.2018.8481780>

Majuri M, Lanz M. 2018. Social capital characteristics in RD project networks. In 2018 Portland International Conference on Management of Engineering and Technology (PICMET). IEEE. <https://doi.org/10.23919/PICMET.2018.8481775>

Sommarberg M, Mäkinen S. 2018. Technopreneurial Characteristics Rising from the Ashes of Creative Destruction. In Proceedings in 2018 Portland International Conference in Management and Engineering (PICMET): (PICMET) 19-23 August 2018. IEEE. pp. 1-10. <https://doi.org/10.23919/PICMET.2018.8481846>

Monakhov D, Naik D, Curcio IDD, Toukoma H. 2018. Analysis of User Exploration Patterns during Scene Cuts in Omnidirectional Videos. In SMPTE 2018. SMPTE. <https://doi.org/10.5594/M001845>

Kekonen A, Bergelin M, Eriksson J-E, Vesa M, Johansson M, Viik J. 2018. Long-term monitoring of acute wound healing from beneath the primary wound dressings. In 2018 16th Biennial Baltic Electronics Conference (BEC). IEEE. <https://doi.org/10.1109/BEC.2018.8600956>

Ahmed S, Musfequr Rehman SM, Ukkonen L, Björninen T. 2018. Glove-integrated slotted patch antenna for wearable UHF RFID reader. In 2018 IEEE International Conference on RFID Technology & Application (RFID-TA). IEEE. <https://doi.org/10.1109/RFID-TA.2018.8552817>

Qureshi S, Björninen T, Virkki J. 2018. Referenced backscattering compression level indicator based on passive UHF RFID tags. In 2018 IEEE International Conference on RFID Technology & Application (RFID-TA). IEEE. <https://doi.org/10.1109/RFID-TA.2018.8552830>

Pournoori N, Khan W, Ukkonen L, Björninen T. 2018. RF energy harvesting system with RFID-enabled charge storage monitoring. In 2018 IEEE International Conference on RFID Technology & Application (RFID-TA). IEEE. <https://doi.org/10.1109/RFID-TA.2018.8552826>

Ortombina L, Liegmann E, Karamanakos P, Tinazzi F, Zigliotto M, Kennel R. 2018. Constrained Long-Horizon Direct Model Predictive Control for Synchronous Reluctance Motor Drives. In 2018 IEEE 19th Workshop on Control and Modeling for Power Electronics, COMPEL 2018. IEEE. <https://doi.org/10.1109/COMPEL.2018.8460173>

Schwarz S, Hannuksela MM, Fakour-Sevom V, Sheikhi-Pour N. 2018. 2D Video Coding of Volumetric Video Data. In 2018 Picture Coding Symposium, PCS 2018 - Proceedings. IEEE. pp. 61-65. <https://doi.org/10.1109/PCS.2018.8456265>

- Us D, Brzezinski K, Buitenhuis T, Dendooven P, Ruotsalainen U. 2018. Evaluation of Median Root Prior for Robust In-Beam PET Reconstruction. *IEEE Transactions on Radiation and Plasma Medical Sciences*. 2(5):490-498. <https://doi.org/10.1109/TRPMS.2018.2854231>
- Taivalsaari A, Mikkonen T, Systä K, Pautasso C. 2018. Web User Interface Implementation Technologies: An Underview. In *14th International Conference on Web Information Systems and Technologies*. SCITEPRESS. pp. 127-136. <https://doi.org/10.5220/0006885401270136>
- Chen X, He H, Ukkonen L, Virkki J, Xu J, Wang T, Cheng L. 2018. Fabrication and Practical Evaluation of Glove-integrated Passive UHF RFID Tags. In *2018 IEEE International Conference on RFID Technology Application (RFID-TA)*. IEEE. <https://doi.org/10.1109/RFID-TA.2018.8552814>
- Jokinen J, Kanerva M, Saarela O. 2018. Multi-site delamination analysis using virtual crack closure technique for a composite aircraft wing flap. In *31st Congress of the International Council of the Aeronautical Sciences (Proceedings): Belo Horizonte, Brazil September 9-14, 2018*. ICAS Press.
- Tuukkanen S, Rajala S. 2018. Nanocellulose as a Piezoelectric Material. In *Piezoelectricity - Organic and Inorganic Materials and Applications*. InTech Open Access Publisher. pp. 1-14. <https://doi.org/10.5772/intechopen.77025>
- Kallonen A, Nieminen H, Das S, Sallinen R. 2018. Comparison of food frequency questionnaire data and shopping records for the assessment of food intake. In *Proceedings of Seventh International Conference on Well-Being in the Information Society: Fighting Inequalities (WIS 2018)*. pp. 25-30. (TUCS Lecture Notes).
- Baczekiewicz J, Pajunen S, Heinisuo M. 2018. Effect of radiation inside square hollow section under moderate non-symmetric fire. *Fire Research*. 2(1):25-30. <https://doi.org/10.4081/fire.2018.42>
- Geng J, Li H, Liu Y, Liu Y, Kashef M, Candell R, Bhattacharyya SS. 2018. Model-based cosimulation for industrial wireless networks. In *WFCS 2018 - 2018 14th IEEE International Workshop on Factory Communication Systems*. IEEE. pp. 1-10. <https://doi.org/10.1109/WFCS.2018.8402343>
- Koponen P, Hanninen S, Mutanen A, Koskela J, Rautiainen A, Järventausta P, Niska H, Kolehmainen M, Koivisto H. 2018. Improved modelling of electric loads for enabling demand response by applying physical and data-driven models: Project Response. In *2018 IEEE International Energy Conference, ENERGYCON 2018*. IEEE. pp. 1-6. <https://doi.org/10.1109/ENERGYCON.2018.8398794>
- Momeni K, Martinsuo M. 2018. Moving toward integrated solutions in project-based firms: Changes in sales practices. In *Proceedings of EURAM18 European Academy of Management conference 2018*. European Academy of Management, EURAM. (EURAM conference).
- Madhala P, Jussila J, Aramo-Immonen H, Suominen A. 2018. Systematic literature review on customer emotions in social media. Cunnane V, Corcoran N, editors. In *ECSM - Proceedings of the 5th European Conference on Social Media*. Limerick, Ireland.
- Chen X, He H, Ukkonen L, Virkki J, Lu Y, Lam H. 2018. Fabrication and reliability evaluation of passive UHF RFID T-shirts. In *2018 IEEE International Workshop on Antenna Technology, iWAT2018 - Proceedings*. IEEE. pp. 1-4. <https://doi.org/10.1109/IWAT.2018.8379146>
- Kuula P, Leppänen M, Kolisoja P, Korkiala-Tanttu L, Sorvari J, Gustavsson H. 2018. Education on the utilization of secondary materials in earthworks. Lahtinen P, Raasakka V, editors. In *Proceedings of the 10th International Conference on the Environmental and Technical Implications of Construction with Alternative Materials: No Gradle no Grave Circular Economy into practice*. RIL - Finnish Association of Civil Engineers. pp. 177-187.
- Leppänen M, Sarkkila J, Hämäläinen H, Rinkinen J. 2018. Technical suitability of the fine fraction of municipal solid waste incineration bottom ash to the landfill capping liner. Raasakka V, Lahtinen P, editors. In *Proceedings of the 10th International Conference on the Environmental and Technical Implications of Construction with Alternative Materials WASCON 2018: No Gradle, No Grave - Circular Economy into Practice*. RIL - Finnish Association of Civil Engineers. pp.

Bolla P, Lohan E-S. 2018. Dual-frequency signal processing architecture for robust and precise positioning applications. In 2018 IEEE/ION Position, Location and Navigation Symposium, PLANS 2018. IEEE. pp. 72-80.  
<https://doi.org/10.1109/PLANS.2018.8373367>

Ahola T, Stähle M, Martinsuo M. 2018. Agency relationships in global project business. In Proceedings of EURAM18 European Academy of Management conference 2018. European Academy of Management, EURAM. (EURAM conference).

Martinsuo M, Vaittinen E. 2018. Industrial customers' organizational readiness for service innovations: Adopting data-based advanced services. In Proceedings of the 25th Innovation and Product Development Management Conference. European Institute for Advanced Studies in Management, EIASM. (International Product Development Management Conference).

Toenger S, Ahvenjärvi J, Ryczkowski P, Genty G. 2018. Intensity Interferometry of Supercontinuum Light. Setälä T, Turunen J, T. Friberg A, Saastamoinen K, editors. In Trends in Electromagnetic Coherence. Joensuu: University of Eastern Finland. (Publications of the University of Eastern Finland. Reports and studies in forestry and natural sciences; 32).

Martinsuo M, Vuorinen L, Killen C, Laiti M. 2018. Lifecycle-oriented framing of value at the front end of infrastructure projects. In Proceedings of EURAM18 European Academy of Management conference 2018. European Academy of Management, EURAM. (EURAM conference).

Martinsuo M, Laurila F. 2018. Requirements from industrial internet for innovations in advanced industrial services. In Proceedings of the 25th Innovation and Product Development Management Conference. European Institute for Advanced Studies in Management, EIASM. (International Product Development Management Conference).

Sillberg P. 2018. Toward Manageable Data Sources. Endrjukaite T, Kangassalo H, Thalheim B, Kiyoki Y, editors. In EJC 2018: Proceedings of the 28th International Conference on Information Modelling and Knowledge Bases. Transport and Telecommunication Institute. pp. 485-494.

Ellman A, Paronen J, Juuti TS, Tiainen T. 2018. Re-use of engineering design rationale in Finnish SME project based industry. In Proceedings of the Design 2018 15th International Design Conference. The Design Society. pp. 1825-1832.  
<https://doi.org/10.21278/idc.2018.0363>

Lietzen J, Kylliäinen M. 2018. Finnish Round Robin Test on Airborne Sound Insulation. In Proceedings of the 11th European Congress and Exposition on Noise Control Engineering, Euronoise 2018, May 27-31 2018, Hersonissos, Crete, Greece: Reduce Noise to Improve Life. Hersonissos, Crete, Greece: European Acoustic Association EAA. pp. 1677-1682. (European Congress and Exposition on Noise Control Engineering).

Lietzen J, Miettinen J, Kylliäinen M, Pajunen S. 2018. Measurements of impact force excitation on wooden floors. In Proceedings of the 11th European Congress and Exposition on Noise Control Engineering, Euronoise 2018, May 27-31 2018, Hersonissos, Crete, Greece: Reduce Noise to Improve Life, Crete, May 27-31, 2018. Hersonissos, Crete, Greece: European Acoustic Association EAA. pp. 1617-1622. (Proceedings : European Conference on Noise Control).

Vaittinen E, Martinsuo M. 2018. Ready to sell? Requirements for promoting service selling in a manufacturing firm. Bigdeli A, Frandsen T, Raja J, Baines T, editors. In Proceedings of the Spring Servitization Conference, Driving Competitiveness through Servitization, 14-16 May 2018. Aston University. pp. 26-34.

Jama T, Lehtovuori P, Rajaniemi J, Siikonen M, Mäntynen J, Rantanen A, Joutsiniemi A, Koskela K, Kärkinen T, Saarikoski P, Saarniaho K 2018. Ideoita kaavoituksen sisällön uudistamiseen: Kaavojen merkintöjen ja määräysten kehittäminen (KAMMI-hanke). Helsinki: Ympäristöministeriö. 74 p.

- Katkovnik V, Shevkunov I, Petrov NV, Eguiazarian K. 2018. Multiwavelength surface contouring from phase-coded diffraction patterns. In *Unconventional Optical Imaging 2018*. Strasbourg, France. SPIE. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2306127>
- Suokas E, Kuusipalo J. 2018. Process time importance in the product properties evolution during extrusion coating of different LDPE grades. In *15th TAPPI Advanced Coating Fundamentals Symposium 2018*: Charlotte; United States; 14 April 2018 through 15 April 2018. TAPPI Press. pp. 151-159.
- Zhao Y, Wang Y, Zhang X, Mateos X, Pan Z, Loiko P, Zhou W, Xu X, Xu J, Shen D, Suomalainen S, Härkönen A, Guina M, Griebner U, Petrov V. 2018. Sub-100 fs pulse generation from a Tm,Ho: CALYO laser mode-locked by a GaSb-based SESAM at ~2043 nm. In *CLEO: Science and Innovations, CLEO\_SI 2018*. OSA - The Optical Society. [https://doi.org/10.1364/CLEO\\_SI.2018.SF2N.1](https://doi.org/10.1364/CLEO_SI.2018.SF2N.1)
- Noronen T, Fedotov A, Rissanen J, Gumenyuk R, Butov O, Chamorovskii Y, Golant K, Odnoblyudov M, Filippov V. 2018. Ultra-large mode area single frequency anisotropic MOPA with double clad Yb-doped tapered fiber. In *Fiber Lasers XV: Technology and Systems*. SPIE, IEEE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2288942>
- Fakour-Sevom V, Guldogan E, Kämäräinen J-K. 2018. 360 panorama super-resolution using deep convolutional networks . In *VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications* . SCITEPRESS. pp. 159-165. <https://doi.org/10.5220/0006618901590165>
- Voronin V, Pismenskova M, Zelensky A, Cen Y, Nadykto A, Egiazarian K. 2018. Action recognition using the 3D dense microblock difference. In *Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies II*. SPIE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2326801>
- M. Aref M, Astola P, Vihonen J, Tabus I, Ghabcheloo R, Mattila J. 2018. Adaptive Feedback in Local Coordinates for Real-time Vision-Based Motion Control Over Long Distances. In *International Conference on Robotics and Mechantronics : (ICRoM 2017)*. IOP Publishing Ltd. (IOP conference series : materials science and engineering). <https://doi.org/10.1088/1757-899X/320/1/012009>
- Kerst T, Toivonen J. 2018. Alpha radiation induced luminescence in solar blind spectral region. In *CLEO: Applications and Technology, CLEO\_AT 2018*. OSA - The Optical Society. [https://doi.org/10.1364/CLEO\\_AT.2018.ATh4O.8](https://doi.org/10.1364/CLEO_AT.2018.ATh4O.8)
- Sheikh MU, Lempiainen J. 2018. Analysis of outdoor and indoor propagation at 15 GHz and millimeter wave frequencies in microcellular environment. *Advances in Science, Technology and Engineering Systems*. 3(1):160-167. <https://doi.org/10.25046/aj030120>
- Taibi D, Lenarduzzi V, Pahl C. 2018. Architectural patterns for microservices: A systematic mapping study. In *CLOSER 2018 - Proceedings of the 8th International Conference on Cloud Computing and Services Science*. SCITEPRESS. pp. 221-232. <https://doi.org/10.5220/0006798302210232>
- Jääskeläinen A, Schiele H, Aarikka-Stenroos L. 2018. A social capital perspective on gaining optimal solutions from suppliers as preferred customer. In *Academy of Management Proceedings*. 1 ed. Academy of Management AOM. (Academy of Management Proceedings; 1). <https://doi.org/10.5465/AMBPP.2018.16278abstract>
- Halbach E, Kolu A, Ghabcheloo R. 2018. Automated pile transfer work cycles with a robotic wheel loader. Mela K, Pajunen S, Raasakka V, editors. In *17th International Conference on Computing in Civil and Building Engineering (ICCCBE)*: Tampere, 5-7 June 2018. Tampere, Finland: RIL.
- Ratia M, Myllärniemi J. 2018. Beyond ic 4.0 : the future potential of bi-tool utilization in the private healthcare. In *13th International Forum on Knowledge Asset Dynamics, IFKAD 2018*: Delft, Netherlands, 4-6 July 2018. (Proceedings IFKAD).
- Garifullin M, Bronzova MK, Heinisuo M, Mela K, Pajunen S. 2018. Cold-formed RHS T joints with initial geometrical imperfections. *Magazine of Civil Engineering*. 80(4):81-94. <https://doi.org/10.18720/MCE.80.8>



Bautista G, Dreser C, Zang X, Kern D, Kauranen M, Fleischer M. 2018. Collective nonlinear optical effects in plasmonic nanohole ensembles of different rotational symmetries. In CLEO: QELS\_Fundamental Science 2018. The Optical Society; OSA. [https://doi.org/10.1364/CLEO\\_QELS.2018.FW3G.3](https://doi.org/10.1364/CLEO_QELS.2018.FW3G.3)

Keinänen M, Kähkönen K. 2018. Core Project Team As a Management Entity for Construction Projects. In *bo: Ricerche e progetti per il territorio, la città e l'architettura*. Construction Management. 9(13):208-217.

Fang CY, Vallini F, Amili AE, Tukiainen A, Lyytikäinen J, Guina M, Fainman Y. 2018. Development of efficient electrically pumped nanolasers based on InAlGaAs tunnel junction. In CLEO: Science and Innovations, CLEO\_SI 2018. OSA - The Optical Society. [https://doi.org/10.1364/CLEO\\_SI.2018.SW4Q.4](https://doi.org/10.1364/CLEO_SI.2018.SW4Q.4)

Soltani A, Curtze S, Lahti J, Järvelä K, Laurikka J, Hokka M, Kuokkala VT. 2018. Digital image correlation study of the deformation and functioning of the human heart during open-heart surgery. In *Mechanics of Biological Systems, Materials and other topics in Experimental and Applied Mechanics - Proceedings of the 2017 Annual Conference on Experimental and Applied Mechanics*. Springer New York LLC. pp. 19-27. (Conference Proceedings of the Society for Experimental Mechanics). [https://doi.org/10.1007/978-3-319-63552-1\\_4](https://doi.org/10.1007/978-3-319-63552-1_4)

Tan LC, Nancharaiah YV, van Hullebusch ED, Lens PNL. 2018. Effect of elevated nitrate and sulfate concentrations on selenate removal by mesophilic anaerobic granular sludge bed reactors. *Environmental Science: Water Research & Technology*. 4(2):303-314 . <https://doi.org/10.1039/C7EW00307B>

Vazquez Fernandez N, Isakov M, Hokka M, Kuokkala VT. 2018. Effects of adiabatic heating estimated from tensile tests with continuous heating. In *Dynamic Behavior of Materials - Proceedings of the 2017 Annual Conference on Experimental and Applied Mechanics*. Springer New York LLC. pp. 1-7. (Conference Proceedings of the Society for Experimental Mechanics). [https://doi.org/10.1007/978-3-319-62956-8\\_1](https://doi.org/10.1007/978-3-319-62956-8_1)

Assanto G, Perumbilavil S, Piccardi A, Kauranen M. 2018. Electro-optic steering of random laser emission in liquid crystals. *Photonics Letters of Poland*. 10(4):103-105. <https://doi.org/10.4302/plp.v10i4.852>

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

Sheikh MU, Hiltunen K, Lempiäinen J. 2018. Enhanced outdoor to indoor propagation models and impact of different ray tracing approaches at higher frequencies. *Advances in Science, Technology and Engineering Systems*. 3(2):58-68. <https://doi.org/10.25046/aj030207>

Raunio J-P, Makela I, Mäntylä M, Ritala R. 2018. Evaluating the contrast of planar periodic patterns on paper. In *Paper Conference and Trade Show, PaperCon 2018*. TAPPI Press. pp. 294-302.

Kart U, Kämäräinen JK, Fan L, Gabbouj M. 2018. Evaluation of visual object trackers on equirectangular panorama. In *VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*. SCITEPRESS. pp. 25-32. <https://doi.org/10.5220/0006526200250032>

Niu L, Suominen O, M. Aref M, Mattila J, Ruiz E, Esque S. 2018. Eye-in-Hand Manipulation for Remote Handling: Experimental Setup. In *International Conference on Robotics and Mechantronics : (ICRoM 2017)*. IOP Publishing Ltd. (IOP conference series : materials science and engineering). <https://doi.org/10.1088/1757-899X/320/1/012007>

Kantola E, Penttinen J-P, Leinonen T, Ranta S, Guina M. 2018. Frequency-doubled VECSEL employing a Volume Bragg Grating for linewidth narrowing. In CLEO: Applications and Technology, CLEO\_AT 2018. OSA - The Optical Society. [https://doi.org/10.1364/CLEO\\_AT.2018.JTu2A.17](https://doi.org/10.1364/CLEO_AT.2018.JTu2A.17)

- Kantola E, Leinonen T, Rantamäki A, Guina M, Sirbu A, Iakovlev V. 2018. Frequency-doubled wafer-fused 638 nm VECSEL with an output power of 5.6 W. In CLEO: Applications and Technology, CLEO\_AT 2018. OSA - The Optical Society. [https://doi.org/10.1364/CLEO\\_AT.2018.JTu2A.10](https://doi.org/10.1364/CLEO_AT.2018.JTu2A.10)
- Stankovic RS, Astola J, Moraga C. 2018. Gibbs Dyadic Differentiation on Groups - Evolution of the Concept. In Computer Aided Systems Theory – EUROCAST 2017 - 16th International Conference, Revised Selected Papers. Springer Verlag. pp. 229-237. (Lecture Notes in Computer Science). [https://doi.org/10.1007/978-3-319-74727-9\\_27](https://doi.org/10.1007/978-3-319-74727-9_27)
- Yancheshmeh FS, Chen K, Kämäräinen J-K. 2018. Hierarchical deformable part models for heads and tails. In VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications . SCITEPRESS. pp. 45-55. <https://doi.org/10.5220/0006532700450055>
- Mateos X, Loiko P, Lamrini S, Scholle K, Fuhrberg P, Suomalainen S, Härkönen A, Guina M, Vatnik S, Vedin I, Aguiló M, Diáz F, Wang Y, Griebner U, Petrov V. 2018. Highly-efficient Ho:KY(WO<sub>4</sub>)<sub>2</sub> thin-disk lasers at 2.06 μm. In Pacific-Rim Laser Damage 2018: Optical Materials for High-Power Lasers. SPIE, IEEE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2316822>
- Zia N, Viheriälä J, Koivusalo E, Aho A, Suomalainen S, Guina M. 2018. High performance GaSb superluminescent diodes for tunable light source at 2 μm and 2.55 μm. In CLEO: Applications and Technology, CLEO\_AT 2018. OSA - The Optical Society. [https://doi.org/10.1364/CLEO\\_AT.2018.JTu2A.28](https://doi.org/10.1364/CLEO_AT.2018.JTu2A.28)
- Fedotov A, Noronen T, Rissanen J, Gumenyuk R, Petrov A, Chamorovskii Y, Golant K, Odnoblyudov M, Filippov V. 2018. High power picosecond MOPA with anisotropic ytterbium-doped tapered double-clad fiber. Taccheo S, Mackenzie JI, Ferrari M, editors. In Proceedings of SPIE : Fiber Lasers and Glass Photonics: Materials through Applications. SPIE-INT SOC OPTICAL ENGINEERING. (Proceedings of SPIE). <https://doi.org/10.1117/12.2307693>
- Brobbey KJ, Haapanen J, Gunell M, Mäkelä JM, Eerola E, Saarinen JJ, Toivakka M. 2018. High-speed manufacturing of antimicrobial paper. In Paper Conference and Trade Show, PaperCon 2018. TAPPI Press. pp. 564-566.
- Karioja P, Alajoki T, Cherchi M, Ollila J, Harjanne M, Heinilehto N, Suomalainen S, Zia N, Tuorila H, Viheriälä J, Guina M, Buczynski R, Kasztelanec R, Salo T, Virtanen S, Kluczynski P, Borgen L, Ratajczyk M, Kalinowski P. 2018. Integrated multi-wavelength mid-IR light source for gas sensing. In Next-Generation Spectroscopic Technologies XI. SPIE, IEEE. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2305712>
- Smith J, Kuokkala V-T, Seidt J, Gilat A. 2018. Internal Heat Generation in Tension Tests of AISI 316 Using Full-Field Temperature and Strain Measurements. In Advancement of Optical Methods in Experimental Mechanics, Volume 3. Conference Proceedings of the Society for Experimental Mechanics Series. Springer New York LLC. pp. 97-103. (Conference Proceedings of the Society for Experimental Mechanics). [https://doi.org/10.1007/978-3-319-63028-1\\_16](https://doi.org/10.1007/978-3-319-63028-1_16)
- Palanivel S, Zhurina A, Doan P, Chandraseelan JG, Khandelwal VKM, Zubkov FI, Mahmudov KT, Pombeiro AJL, Yli-Harja O, Kandhavelu M. 2018. In vitro characterization of arylhydrazones of active methylene derivatives. Saudi Pharmaceutical Journal. 26(3):430-436. <https://doi.org/10.1016/j.jsps.2017.12.018>
- Schelkens P, Alpaslan Z, Ebrahimi T, Pereira F, Pinheiro A, Tabus I, Chen Z. 2018. JPEG Pleno: a standard framework for representing and signaling plenoptic modalities. In SPIE Proceedings Volume 10752: Applications of Digital Image Processing XLI. SPIE. (SPIE Conference Proceedings).
- Kaarakka TE, Ali-Löytty S, Huhtanen M. 2018. Kehittämistutkimus: vuorovaikuteisten Matlab-opetusohjelmien vaikutus minäpystyvyyteen ja oppimistuloksiin yliopistomatematiikassa. FMSERA Journal . 2(1):67-77.
- Ainasoja AE, Hietanen A, Lankinen J, Kämäräinen J-K. 2018. Keyframe-based video summarization with human in the loop. In VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications . SCITEPRESS. pp. 287-296. <https://doi.org/10.5220/0006619202870296>

- Uotila U, Saari A, Junnonen J-M. 2018. Laser Scanning Tasks of Building Refurbishment Project. In Proceedings of the 17th International Conference on Computing in Civil and Building Engineering (ICCCBE).
- Rosati P, Fowley F, Pahl C, Taibi D, Lynn T. 2018. Making the cloud work for software producers: Linking architecture, operating cost and revenue. In CLOSER 2018 - Proceedings of the 8th International Conference on Cloud Computing and Services Science. SCITEPRESS. pp. 364-375. <https://doi.org/10.5220/0006679303640375>
- Kelo T, Eronen J, Rousku K. 2018. Model for efficient development of security audit criteria. In Proceedings of the 17th European Conference on Cyber Warfare and Security, ECCWS 2018. Curran Associates. pp. 244-252.
- Koskinen K, Scherbak S, Chervinskii S, Lipovskii A, Kauranen M. 2018. Non-resonant enhancement of second-harmonic generation from metal nanoislands coated with dielectric layers. In CLEO: QELS\_Fundamental Science 2018. OSA. [https://doi.org/10.1364/CLEO\\_AT.2018.JTu2A.134](https://doi.org/10.1364/CLEO_AT.2018.JTu2A.134)
- Neononen S, Salmisto A, Petrulaitiene V, ed. 2018. Proceedings of the 1st Transdisciplinary Workplace Research Conference. Tampere University of Technology. Department of Civil Engineering. 64 p. (Tampereen teknillinen yliopisto. Rakennustekniikan laboratorio. Rakennustuotanto ja -talous. Raportti; 26).
- Viro IE, Joutsenlahti J. 2018. Projektityöskentelyn kehittäminen yläkoulun matematiikan opetuksessa. FMSERA Journal . 2(1):90-99.
- Linna M, Kannala J, Rahtu E. 2018. Real-time human pose estimation with convolutional neural networks. In VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications. SCITEPRESS. pp. 335-342. <https://doi.org/10.5220/0006624403350342>
- Ryczkowski P, Närhi M, Billet C, Merolla JM, Dudley JM, Genty G. 2018. Real-time measurements of nonlinear instabilities in optical fibers. In CLEO: Applications and Technology, CLEO\_AT 2018. OSA - The Optical Society. [https://doi.org/10.1364/CLEO\\_AT.2018.AF2Q.1](https://doi.org/10.1364/CLEO_AT.2018.AF2Q.1)
- Camacho-Morales R, Bautista G, Zang X, Xu L, Turquet L, Miroshnichenko A, Lamprianidis A, Rahmani M, Neshev DN, Kauranen M. 2018. Resonant harmonic generation in AlGaAs nanoantennas using cylindrical vector beams. In CLEO: QELS\_Fundamental Science 2018. The Optical Society; OSA. [https://doi.org/10.1364/CLEO\\_QELS.2018.FF1E.6](https://doi.org/10.1364/CLEO_QELS.2018.FF1E.6)
- Tomberg T, Vainio M, Hieta T, Halonen L. 2018. Sub-parts-per-trillion sensitivity in trace gas detection by cantilever-enhanced photo-acoustic spectroscopy. In CLEO: Applications and Technology, CLEO\_AT 2018. OSA - The Optical Society. [https://doi.org/10.1364/CLEO\\_AT.2018.ATH10.8](https://doi.org/10.1364/CLEO_AT.2018.ATH10.8)
- Kangas J, Poutanen J. 2018. Underpinning Interrelated Factors of Physical, Virtual, and Social Learning Environments. In ICERI2018 Proceedings. pp. 8087-8096. (ICERI proceedings). <https://doi.org/10.21125/iceri.2018.0459>
- Bambach P, Deller J, Martel J, Vilenius E, Goldberg H, Sorsa L-I, Pursiainen S, Takala M, Wurster A, Braun HM, Lentz H, Jutzi M, Wittig M, Chitu CC, Ritter B, Karatekin O. 2018. What's inside a rubble pile asteroid? DiSCUS - A tomographic twin radar Cubesat to find out. In 69th International Astronautical Congress, IAC 2018. (Proceedings of the International Astronautical Congress, IAC).
- Myllykoski TJ, Mattila P, Ali-Löyty S, Kaarakka T, Viro E. 2018. Yliopistomatematiikan sähköisten tehtävien ja matemaattisen ajattelun kehittäminen. FMSERA Journal . 2(1):46-56.
- Shao K, Zhou B, Wang G, Yu B. 2018. 基于相位旋转的SCMA码本优化方法. Xi Tong Gong Cheng Yu Dian Zi Ji Shu/Systems Engineering and Electronics. 40(10):2354-2362. <https://doi.org/10.3969/j.issn.1001-506X.2018.10.29>
- Saari U, Aarikka-Stenroos L, Boedeker S, Köppä L, Langwaldt J. 2017. Assessing the usefulness of an early idea development tool among experienced researchers. CERN IdeaSquare Journal of Experimental Innovation. 1(2):3-8. <https://doi.org/10.23726/cij.2017.476>

Sommarberg M, Mäkinen S. 2017. Mechanisms of disruptive technological change: Case studies in transformation of traditional industries . In Proceedings in 2017 Portland International Conference in Management and Engineering (PICMET): (PICMET) 9-13 July 2017. IEEE. pp. 1-10. <https://doi.org/10.23919/PICMET.2017.8125297>

Juuti P, Katko TS, Rajala R. 2017. Sata vuotta vesihuoltoa Suomessa. *Vesitalous*. 58(6):13-15.

Solomitchii D, Semkin V, Naderpour R, Ometov A, Andreev S. 2017. Comparative evaluation of radio propagation properties at 15 GHz and 60 GHz frequencies. In 2017 9th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE. pp. 91-95. <https://doi.org/10.1109/ICUMT.2017.8255207>

Ometov A, Bezzateev S. 2017. Multi-factor authentication: A survey and challenges in V2X applications. In 2017 9th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE. pp. 129-136. <https://doi.org/10.1109/ICUMT.2017.8255200>

Burkov A, Matveev N, Turlikov A, Bulanov A, Gahnina O, Andreev S. 2017. Upper bound and approximation of random access throughput over chase combining HARQ. In 2017 9th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE. pp. 143-147. <https://doi.org/10.1109/ICUMT.2017.8255206>

Peng Z, Richter P, Leppäkoski H, Lohan E-S. 2017. Analysis of Crowdsensed WiFi Fingerprints for Indoor Localization. In Proceedings of the 21st Conference of Open Innovations Association FRUCT. Helsinki, Finland: FRUCT. pp. 268-277.

Ma S, Ukkonen L, Sydänheimo L, Björninen T. 2017. Wearable e-textile split ring passive UHF RFID tag: Body-worn performance evaluation. In 2017 IEEE Asia Pacific Microwave Conference (APMC). IEEE.

Veronese A, Racca M, Pieters R, Kyrki V. 2017. Probabilistic Mapping of Human Visual Attention from Head Pose Estimation. *Frontiers in Robotics and AI*. <https://doi.org/10.3389/frobt.2017.00053>

Khorrarnadel B, Kraft TM, Mäntysalo M. 2017. Inkjet printed metallic micropillars for bare die flip-chip bonding. *Flexible and Printed Electronics*. 2(4):045005. <https://doi.org/10.1088/2058-8585/aa9171>

Salo J, Huttunen P, Vinha J. 2017. Alipaineistetun tuulettuvan ryömintätilan rakennusfysikaaliset FEM-simuloinnit. Vinha J, Kivioja H, editors. In *Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere*. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. pp. 413-422. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka. ).

Vänttinen K, Tuominen E, Vinha J. 2017. Betonin kosteusteknisten materiaaliominaisuuksien määrittäminen. Vinha J, Kivioja H, editors. In *Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere*. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. pp. 461-470. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Annala P, Lahdensivu J, Suonketo J, Pentti M, Laukkarinen A, Vinha J. 2017. Kosteusvaurioiden vakavuus kuntien rakennuksissa. Vinha J, Kivioja H, editors. In *Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere*. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. pp. 135-140. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Ruusala A, Vinha J. 2017. Koulujen ja päiväkotien laskettu ja toteutunut energiankulutus. Vinha J, Kivioja H, editors. In *Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere*. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. pp. 267-274. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Sekki P, Korhonen L, Vinha J. 2017. Kuorielementtien kuivumisen mallintaminen hydrataation huomioivalla FEM-laskennalla. Vinha J, Kivioja H, editors. In *Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere*. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. pp. 399-405. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka. ).

Jokisalo J, Sankelo P, Sirén K, Vinha J. 2017. Kustannusoptimaaliset energiakorjaus- ja uusiutuvan energian tuotannon ratkaisut kunnallisissa palvelurakennuksissa. Vinha J, Kivioja H, editors. In Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. pp. 287-292.

Laukkarinen A, Heiskanen R, Vinha J. 2017. Maanvastaisten seinien lämpö- ja kosteustekninen toiminta. Vinha J, Kivioja H, editors. In Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. pp. 71-76. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Kauppinen A, Kiviste M, Pirhonen J, Vinha J. 2017. Paine-erot Pirkanmaan ja Helsingin julkisissa palvelurakennuksissa. Vinha J, Kivioja H, editors. In Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24-26.10.2017, Tampere. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. pp. 215-221. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Laukkarinen A, Musakka S, Penttilä O, Teriö O, Vinha J. 2017. Puukerrostalon työmaavaiheen lämpö- ja kosteusolosuhteiden mittaukset. Vinha J, Kivioja H, editors. In Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. pp. 167-172. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Teriö O, Penttilä O, Laukkarinen A, Musakka S, Vinha J. 2017. Puukerrostalorakentamisen kosteudenhallinta. Vinha J, Kivioja H, editors. In Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. pp. 173-178. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Tuominen E, Vainio M, Vinha J. 2017. Suomessa markkinoilla olevien kalsiumsilikaattilevyjen rakennusfysikaaliset materiaaliominaisuudet. Vinha J, Kivioja H, editors. In Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. pp. 455-460. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka. ).

Huttunen P, Rantala J, Vinha J. 2017. Suuren lämmöneristämättömän maanvastaisen alapohjan vaikutus rakennuksen energiankulutukseen. Vinha J, Kivioja H, editors. In Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24-26.10.2017, Tampere. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. pp. 335-342. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Viheriäkoski T, Kärjä E, Gärtner R, Tamminen P. 2017. Electrostatic discharge characteristics of conductive polymers. In Electrical Overstress/Electrostatic Discharge Symposium Proceedings 2017, EOS/ESD 2017. ESD Association.

Viheriäkoski T, Jokinen V, Smallwood J, Korpipää A, Tamminen P. 2017. Qualification challenges of footwear and flooring systems. In Electrical Overstress/Electrostatic Discharge Symposium Proceedings 2017, EOS/ESD 2017. ESD Association.

Müller P, Lekkala J, Ali-Löytty S, Piche R. 2017. Indoor Localisation using Aroma Fingerprints: A First Sniff. In 2017 14th Workshop on Positioning, Navigation and Communications (WPNC). Bremen, Germany: IEEE. <https://doi.org/10.1109/WPNC.2017.8250046>

Pakkala T, Lahdensivu J, Köliö A, Annala P. 2017. Julkisivujen ja parvekkeiden talvikorjausohje. Vinha J, Kivioja H, editors. In Rakennusfysiikka 2017: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut, 24-26.10.2017, Tampere. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. pp. 179-184. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Kiili K, Ojansuu K, Lindstedt A, Ninaus M. 2017. Rational Number Knowledge Assessment and Training With a Game Competition. In Proceedings of The 11th European Conference on Game-Based Learning ECGBL 2017. Academic Conferences and Publishing International Limited. pp. 320-327.

- Hlavatý I, Kozák J, Krejci L, Samardzic I, Tuominen J. 2017. The effect of tungsten carbide particles content in a weld deposit on its abrasion resistance. *Technical Gazette - Technicki vjesnik*. 24(5):1345-1349. <https://doi.org/10.17559/TV-20160503085356>
- Kraft T, Berger P, Lupo D. 2017. Printed and organic diodes: devices, circuits and applications. *Flexible and Printed Electronics*. 2(3). <https://doi.org/10.1088/2058-8585/aa8ac3>
- Laitinen A, Santa-aho S, Lukinmaa H, Suominen L, Vippola M. 2017. Barkhausen noise Potcore sensor simulations with Comsol. In *12th International Conference on Barkhausen Noise and Micromagnetic Testing*. ICBM. pp. 97-107.
- Sorsa A, Santa-aho S, Aylott C, Shaw B, Vippola M, Leiviskä K. 2017. Case depth prediction of nitrided components. In *12th International Conference on Barkhausen Noise and Micromagnetic Testing*. ICBM. pp. 65-72.
- Virkki J, Chen X, Björninen T, Ukkonen L. 2017. Embroidered antennas and antenna-electronics interfaces for wearable RFID tags. In *IMWS-AMP 2017 International Microwave Workshop Series on Advanced Materials and Processes*. IEEE. <https://doi.org/10.1109/IMWS-AMP.2017.8247437>
- Suominen AH, Mäenpää S. 2017. Knowledge sharing in knowledge collectivity: case digitalization in industrial network. Marimon F, Mas-Machuca M, Berbegal-Mirabent J, Bastida R, editors. In *Proceedings of the 18th European Conference on Knowledge Management ECKM 2017: 7-8 September 2017, Barcelona, Spain*. Academic Conferences and Publishing International. pp. 956-963.
- Mohamed Bahrudeen M, S. Ribeiro A. 2017. Tuning extrinsic noise effects on a small genetic circuit. In *Proceedings of ECAL 2017: 14th European Conference on Artificial Life*. Massachusetts Institute of Technology. [https://doi.org/10.7551/ecal\\_a\\_075](https://doi.org/10.7551/ecal_a_075)
- Munir MW, Shahid N, Omair SM, Munir G, UI Haque MZ. 2017. Comparative investigation of remote tracking devices for aging care. *INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY*. 9(3):261-266. <https://doi.org/10.1007/s41870-017-0034-7>
- Kähkönen K, Brandt J. 2017. Quality evaluation on of contractor's schedule for building renovation. Ciribini A, Alaimo G, Capone P, Daniotti B, Dell'Osso G, Nicoletta M, editors. In *Re-shaping the construction industry*. ISTeA Italian Society of Science, Technology and Engineering of Architecture; Maggioli Editore. pp. 175-184.
- Mäntysalo M, Vuorinen T, Jeyhani V, Vehkaoja A. 2017. Printed soft-electronics for remote body monitoring. In *Hybrid Memory Devices and Printed Circuits 2017: SPIE Organic Photonics + Electronics | 6-10 August 2017*. SPIE. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2275606>
- Dang D, Pekkola S. 2017. Enterprise architecture and organizational reform: a project debrief. In *Proceedings the 21st Pacific Asian Conference on Information Systems 2017 (PACIS'2017): Langkawi, Malay, 16-20 July, 2017*. Association for Information Systems AIS.
- Militano L, Orsino A, Araniti G, Iera A. 2017. NB-IoT for D2D-enhanced content uploading with social trustworthiness in 5G systems. *Future Internet*. 9(3). <https://doi.org/10.3390/fi9030031>
- Saari M, Mäkinen T, Linna P. 2017. Applying third-party moocs in programming education: a case study. In *9th International Conference on Education and New Learning Technologies: 3-5 July, 2017 Barcelona, Spain*. Barcelona, Spain: IATED. pp. 53-59. <https://doi.org/10.21125/edulearn.2017.1014>
- Jussila J, Menon K, Gupta J, Kärkkäinen H. 2017. Who is who in Big Social Data? A Bibliographic Network Analysis Study . In *Proceedings of the 4th European Conference on Social Media ECSM 2017*. Reading, UK: Academic Conferences and Publishing International Limited. pp. 161-169.

Multisilta J, Niemi H. 2017. Tools, pedagogical models, and best practices for digital storytelling. Khosrow-Pour M, editor. In Encyclopedia of information science and technology. 4th ed. IGI Global.

Ryczkowski P, Närhi M, Billet C, Merolla J-M, Genty G, Dudley JM. 2017. Real-time measurements of dissipative solitons in a mode-locked fiber laser. arXiv eprint.

Filanovsky I, Tchamov N. 2017. Maximally Flat Property and Bandwidth Enhancing by Transfer Function Zeroes IEEE-NewCAS France. In 2017 15th IEEE International New Circuits and Systems Conference (NEWCAS). IEEE.  
<https://doi.org/10.1109/NEWCAS.2017.8010113>

Riihonen T, Korpi D, Rantula O, Valkama M. 2017. On the prospects of full-duplex military radios. In 2017 International Conference on Military Communications and Information Systems, ICMCIS 2017. IEEE.  
<https://doi.org/10.1109/ICMCIS.2017.7956490>

Rytöluoto I, Ritamäki M, Gitsas A, Pasanen S, Lahti K. 2017. Morphology Development, Structure and Dielectric Properties of Biaxially Oriented Polypropylene. In 25th Nordic Insulation Symposium on Materials, Components and Diagnostics. (Proceeding of the Nordic Insulation Symposium; 25).

Palvalin M, Vuori V, Helander N. 2017. Knowledge transfer and work productivity. Spender JC, Schiuma G, Gavrilova T, editors. In Proceedings of 12th International Forum on Knowledge Asset Dynamics: St. Petersburg, Russia 7-9 June 2017. pp. 1120-1134. (Proceedings IFKAD).

Kontinen J, Kramb J, DeMartini N, Gomez-Barea A. 2017. The role of inorganics in modelling of biomass gasification. Ek L, Ernrooth H, Scarlat N, Grassi A, Helm P, editors. In EUBCE 2017 Online Conference Proceedings. ETA-Florence Renewable Energies. pp. 443-447. (European biomass conference and exhibition proceedings).  
<https://doi.org/10.5071/25thEUBCE2017-2BO.6.4>

Kiilakoski J, Lukac F, Koivuluoto H, Vuoristo P. 2017. Cavitation wear characteristics of Al<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub>-ceramic coatings deposited by APS and HVOF -processes. In International Thermal Spray Conference ITSC 2017, Conference Proceedings: June 7-9, 2017, Düsseldorf, Germany.. Düsseldorf: DVS Media GmbH. pp. 928-933. (DVS-Berichte / DVS - Deutscher Verband für Schweißen und Verwandte Verfahren e.V.).

Laihonen H, Sillanpää V, Vuolle M. 2017. Managing intellectual liabilities by service recovery. Schiuma G, Spender JC, Gavrilova T, editors. In Proceedings IFKAD 2017, 12th International Forum on Knowledge Asset Dynamics: Knowledge Management in the 21st Century: Resilience, Creativity and Co-creation, 7-9 Jun 2017, St. Petersburg, Russia.. IKAM - Institute of Knowledge Asset Management. pp. 1570-1583. (Proceedings IFKAD).

Jussila JJ, Mustafee N, Aramo-Immonen H, Menon K, Hajikhani A, Helander N. 2017. A bibliometric study on authorship trends and research themes in knowledge management literature. In 12th International Forum on Knowledge Asset Dynamics, St. Petersburg, Russia 7-9 June 2017: Knowledge Management in the 21st Century: Resilience, Creativity and Co-creation. St. Petersburg, Russia. pp. 389-397.

Aramo-Immonen H, Vartio M, Jussila J. 2017. If you know social media, you see opportunities.... In 12th International Forum on Knowledge Asset Dynamics: Knowledge Management in the 21st Century: Resilience, Creativity and Co-creation. pp. 575-584.

Myllärniemi J, Pekkola S, Helander N. 2017. Lessons for data-based value creation. In 12th International Forum on Knowledge Asset Dynamics, IFKAD 2017. pp. 398-407. (Proceedings IFKAD).

Väyrynen H, Manu M. 2017. Why don't one maximizes database utilization in product and service development in manufacturing?. In Proceedings of the 12th International Forum on Knowledge Asset Dynamics 2017: St. Petersburg, Russia, 7-9 June 2017. St. Petersburg, Russia . pp. 93-105. (Proceedings IFKAD).

Ketonen-Oksi S, Jalonen H. 2017. Advocate, jester, spokesperson, provocateur and boundary spanner? Exploring different communication styles at twitter. In 12th Conference proceedings of IFKAD2017: St.Petersburg, Russia, 7-9 June 2017. (Proceedings IFKAD).

Helander N, Sillanpää V, Vuori V, Uusitalo O. 2017. Customer Perceived Value - A Key in Marketing of Integrated Solutions. Kavoura A, Sakas D, Tomaras P, editors. In The 5th International Conference on Strategic Innovative Marketing., At Athens, Greece, Volume: 5: September 23-26, 2016. Springer. pp. 37-42. (Springer Proceedings in Business and Economics). [https://doi.org/10.1007/978-3-319-56288-9\\_6](https://doi.org/10.1007/978-3-319-56288-9_6)

Jussila J, Vuori V, Okkonen J, Helander N. 2017. Reliability and Perceived Value of Sentiment Analysis for Twitter Data. Kavoura A, Sakas D, Tomaras P, editors. In 5th International Conference on Strategic Innovative Marketing, At Athens, Greece, September 23-26, 2016. Springer. pp. 43-48. (Springer Proceedings in Business and Economics). [https://doi.org/10.1007/978-3-319-56288-9\\_7](https://doi.org/10.1007/978-3-319-56288-9_7)

Jussila J, Boedeker M, Jalonen H, Helander N. 2017. Social Media Analytics Empowering Customer Experience Insight. Kavoura A, Sakas D, Tomaras P, editors. In 5th International Conference on Strategic Innovative Marketing, Volume: 5: September 23-26, 2016 At Athens, Greece. Springer. pp. 25-30. (Springer Proceedings in Business and Economics).

Jaakkola H, Thalheim B. 2017. Culture-Aware Web Information Systems in Dependence of Context. Sornlertlamvanich V, Chawakitchareon P, Hansuebsai A, Koopipat C, Kiyoki Y, Jaakkola H, Thalheim B, Yoshida N, editors. In The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases. Sirindhorn International Institute of Technology, Thammasat University, Thailand. pp. 309-331.

Silwal B, Rasilo P, Belahcen A, Arkkio A. 2017. Influence of the rotor eccentricity on the torque of a cage induction machine. Archives of Electrical Engineering. 66(2):383-396. <https://doi.org/10.1515/aee-2017-0029>

Vuorinen L, Martinsuo M. 2017. Managing different types of changes during the lifecycle of a complex delivery project. In The 2017 European Academy of Management (EURAM) Conference: Glasgow, Scotland, 21-24 June, 2017.. EURAM.

Lehtoranta K, Murtonen T, Vesala H, Koponen P, Alanen J, Simonen P, Rönkkö T, Timonen H, Saarikoski S, Maunula T, Kallinen K, Korhonen S. 2017. Natural Gas Engine Emission Reduction by Catalysts. Emission Control Science and Technology. 3(2):142-152. <https://doi.org/10.1007/s40825-016-0057-8>

Eteläaho A, Soini J, Jaakkola H, Mattila A-L. 2017. Visual Data Mining in Software Repositories: A Survey. Sornlertlamvanich V, Chawakitchareon P, Hansuebsai A, Koopipat C, Kiyoki Y, Jaakkola H, Thalheim B, Yoshida N, editors. In The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases. Sirindhorn International Institute of Technology, Thammasat University, Thailand. pp. 367-385.

Virtanen J, Kamppi A, Pekkarinen E, Määttä J-M, Järvinen J, Matilainen LJ, Teuvo M, Hämäläinen T. 2017. Kactus2: A graphical EDA tool built on the IP-XACT standard. The Journal of Open Source Software. 2(13):1. <https://doi.org/10.21105/joss.00151>

Rojas V, Martinez F, Bernede JC, Guenadez LC, Efimov A, Lemmetyinen H. 2017. Alkyl thiophene vinylene electropolymerization in C8mimPF6, potential use in solar cells. Materials Sciences and Applications. 8(5):405-417. <https://doi.org/10.4236/msa.2017.85013>

Juuti PS. 2017. Editorial: Information to support decision-making. Ympäristöhistoria: Finnish Journal of Environmental History. 2017(1):5-6.

Juuti PS, Kurki V, Rajala R. 2017. Local narratives in the long term water conflicts: Case of Turku Region in Finland. Ympäristöhistoria: Finnish Journal of Environmental History. 2017(1):39-49.



- Valmari A, Hella L. 2017. The logics taught and used at high schools are not the same. Karhumäki J, Matiyasevich Y, Saarela A, editors. In Proceedings of the Fourth Russian Finnish Symposium on Discrete Mathematics. Turku: TURKU CENTRE FOR COMPUTER SCIENCE. pp. 172-186. (TUCS Lecture Notes; 26).
- Juuti P. 2017. Vesi, ongelma ennen ja nyt?. *Ympäristöhistoria: Finnish Journal of Environmental History*. 2017(1):54-65.
- Asp O, Laaksonen A. 2017. Instrumentation and monitoring of large-span culvert built under a railway, in Finland. Madaj A, Jankowiak I, editors. In Archives of Institute of Civil Engineering: 3rd European Conference on Buried Flexible Steel Structures, Rydzyna, Poland, 24-25 April 2017. 23 ed. Poznan: Wydawnictwo Politechniki Poznańskiej. pp. 53-60. <https://doi.org/10.21008/j.1897-4007.2017.23.05>
- Zare A, Sreedhar KK, Vadakital VKM, Aminlou A, Hannuksela MM, Gabbouj M. 2017. HEVC-compliant viewport-adaptive streaming of stereoscopic panoramic video. In 2016 Picture Coding Symposium, PCS 2016. IEEE. <https://doi.org/10.1109/PCS.2016.7906401>
- Olshannikova E, Ometov A, Anagnostaki T, Hasan N, Kuketaeva A, Ahtinen A, Olsson T, Koucheryavy Y. 2017. Towards better knowledge work experiences with new Ambient workspace: Concept and prototype. In Proceedings of the 19th Conference of Open Innovations Association, FRUCT 2016. IEEE COMPUTER SOCIETY PRESS. pp. 173-181. <https://doi.org/10.23919/FRUCT.2016.7892198>
- Teymouri S, Calejo MT, Hiltunen M, Sorkio AE, Juuti-Uusitalo K, Skottman H, Kellomäki M. 2017. Collagen-immobilized polyimide membranes for retinal pigment epithelial cell adherence and proliferation. *Cogent Chemistry*. 3(1). <https://doi.org/10.1080/23312009.2017.1292593>
- Brechet N, Ginestet G, Moradi E, Ukkonen L, Torres J, Björninen T, Virkki J. 2017. Cost- and time-effective sewing patterns for embroidered passive UHF RFID tags. In Proceedings of IEEE 2017 International Workshop on Antenna Technology. IEEE. pp. 30-33. <https://doi.org/10.1109/IWAT.2017.7915289>
- Karhu M, Lagerbom J, Kivikytö-Reponen P, Ismailov A, Levänen E. 2017. Reaction heat utilization in aluminosilicate-based ceramics synthesis and sintering. *Journal of Ceramic Science and Technology*. 8(1):101-112. <https://doi.org/10.4416/JCST2016-00094>
- Khan MWA, Björninen T, Sydänheimo L, Ukkonen L. 2017. Wirelessly powered implantable system for wireless long-term monitoring of intracranial pressure. In Proceedings of IEEE 2017 International Workshop on Antenna Technology. IEEE. pp. 122-124. <https://doi.org/10.1109/IWAT.2017.7915334>
- Singh A, Vihinen J, Frankberg E, Hyvärinen L, Honkanen M, Levänen E. 2017. Effect of Laser Power on Yield of TiO<sub>2</sub> Nanoparticles Synthesized by Pulsed Laser Ablation in Water. *Journal of Ceramic Science and Technology*. 8(1):39-43. <https://doi.org/10.4416/JCST2016-00071>
- Viheriälä J, Aho A, Virtanen H, Koskinen M, Dumitrescu M, Guina M. 2017. 1180 nm GaInNAs quantum well based high power DBR laser diodes. Zediker MS, editor. In High-Power Diode Laser Technology XV. SPIE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2251317>
- Li L, Ghazi A, Boutellier J, Anttila L, Valkama M, Bhattacharyya SS. 2017. Evolutionary multiobjective optimization for adaptive dataflow-based digital predistortion architectures. *EAI Endorsed Transactions on Cognitive Communications*. 17(10). <https://doi.org/10.4108/eai.23-2-2017.152187>
- Karioja P, Alajoki T, Cherchi M, Ollila J, Harjanne M, Heinilehto N, Suomalainen S, Viheriälä J, Zia N, Guina M, Buczyński R, Kasztelaniec R, Kujawa I, Salo T, Virtanen S, Kluczynski P, Sagberg H, Ratajczyk M, Kalinowski P. 2017. Multi-wavelength mid-IR light source for gas sensing. In Proc. SPIE 10110: Photonic Instrumentation Engineering IV. SPIE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2249126>
- Tiira J, Radevici I, Haggren T, Hakkarainen T, Kivisaari P, Lyytikäinen J, Aho A, Tukiainen A, Guina M, Oksanen J. 2017. Intracavity double diode structures with GaInP barrier layers for thermophotonic cooling. In Proc. SPIE 10121: Optical and Electronic Cooling of Solids II. SPIE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2250843>

Sislian R, da Silva FV, Gedraite R, Jokinen H, Rajan DK. 2017. The use of mathematical modeling for the development of a low cost fuzzy gain schedule neutralization control system. In Transactions on Engineering Technologies: World Congress on Engineering and Computer Science 2015. Springer Singapore. pp. 525-539. [https://doi.org/10.1007/978-981-10-2717-8\\_37](https://doi.org/10.1007/978-981-10-2717-8_37)

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

Matikainen V, Rubio S, Ojala N, Koivuluoto H, Schubert J, Houdková S, Vuoristo P. 2017. Cavitation erosion, slurry erosion and solid particle erosion performance of metal matrix composite (MMC) coatings sprayed with modern high velocity thermal spray processes. In Materials Science and Technology Conference and Exhibition 2017, MS and T 2017: October 8-12, 2017, Pittsburgh, Pennsylvania USA. Association for Iron and Steel Technology, AISTECH. pp. 1161-1163.

Suokas E. 2017. Effect of air gap on the adhesion of PET layer on cardboard substrate in extrusion coating. In 16th TAPPI European PLACE Conference 2017. TAPPI Press. pp. 529-544.

Lahti J, Kamppuri T, Kuusipalo J. 2017. Novel bio-based materials for active and intelligent packaging. In 16th TAPPI European PLACE Conference 2017. TAPPI Press.

Lahti J, Kuusipalo J, Auvinen S. 2017. Novel equipment to simulate hot air heat sealability of packaging materials. In 16th TAPPI European PLACE Conference 2017. TAPPI Press. pp. 237-248.

Kuusipalo J, Lahti J. 2017. Tampere University of Technology, laboratory of materials science, paper converting and packaging technology Tampere, Finland. In 16th TAPPI European PLACE Conference 2017: Basel; Switzerland; 22 May 2017 through 24 May 2017. TAPPI Press.

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

Zare M, Neeli-Venkata R, Martins L, Peltonen S, Ruotsalainen U, Ribeiro AS. 2017. Automatic Classification of Z-ring Formation Stages at the Single Cell Level in Escherichia Coli by Machine Learning. Silveira M, Fred A, Gamboa H, Vaz M, editors. In Proceedings of the 10th International Joint Conference on Biomedical Engineering Systems and Technologies, Vol 2: Bioimaging. SCITEPRESS. pp. 72-76.

Myllärniemi J, Helander N, Hellsten P, Mahlamäki T, Repo S. 2017. Business intelligence approach – a practical tool for competence based curriculum development. In EDULEARN17 Proceedings. 9th International Conference on Education and New Learning Technologies: 3-5 July, 2017, Barcelona, Spain. IATED. pp. 6387-6393. <https://doi.org/10.21125/edulearn.2017.2451>

Pöllänen M, Utriainen R, Viri R. 2017. Challenges in the paradigm change from mobility as a self-service to mobility as a service. In Conference Proceedings 1st International Conference of Mobility as a Service: ICoMaaS, Tampere 28.-29.11.2017. Tampere University of Technology. pp. 246-265.

López Baeza J, Cerrone D, Männigo K. 2017. Comparing two methods for Urban Complexity calculation using Shannon-Wiener index. In Comparing two methods for Urban Complexity calculation using Shannon-Wiener index. WIT Press. pp. 369-378. (WIT Transactions on Ecology and The Environment). <https://doi.org/10.2495/SDP170321>

Minaev G, Visa A, Piche R. 2017. Comprehensive survey of similarity measures for ranked based location fingerprinting algorithm. In Indoor Positioning and Indoor Navigation (IPIN), 2017 International Conference on. IEEE. <https://doi.org/10.1109/IPIN.2017.8115922>

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

Cakir E, Virtanen T. 2017. Convolutional Recurrent Neural Networks for Rare Sound Event Detection. In Proceedings of the Detection and Classification of Acoustic Scenes and Events 2017 Workshop (DCASE2017). Tampere University of Technology. Laboratory of Signal Processing. pp. 27-31.

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

Christiansen J, Birkinshaw J, Le Masson P, Mäkinen S. 2017. Editorial: Experiments in an Organisational Context. CERN IdeaSquare Journal of Experimental Innovation. 1(2). <https://doi.org/10.23726/cij.2017.684>

Partanen T, Niemelä P, Mannila L, Poranen T. 2017. Educating Computer Science Educators Online - A Racket MOOC for Elementary Math Teachers of Finland. In Proceedings of the 9th International Conference on Computer Supported Education. SCITEPRESS - Science and Technology Publications. pp. 47-58. <https://doi.org/10.5220/0006257800470058>

Munnukka J, Karjaluohto H, Mahlamäki T, Hokkanen V. 2017. Effects of Social Media on Consumers' Sports Brand Experiences and Loyalty. Stieler M, editor. In Creating Marketing Magic and Innovative Future Marketing Trends: Proceedings of the 2016 Academy of Marketing Science (AMS) Annual Conference. Springer International Publishing. pp. 1051-1064. ( Developments in Marketing Science: Proceedings of the Academy of Marketing Science). [https://doi.org/10.1007/978-3-319-45596-9\\_194](https://doi.org/10.1007/978-3-319-45596-9_194)

Andersson T, Boedeker M, Vuori V. 2017. Emotion-Gauge: Analyzing affective experiences in B2B customer journeys. Kavoura A, Sakas D, Tomaras P, editors. In Strategic Innovative Marketing : 5th IC-SIM, Athens, Greece, September 23-26, 2016. Springer. pp. 31-36. (Springer Proceedings in Business and Economics).

Sorri J, Heljo J, Uotila U, Ruusala A. 2017. Energiatohokkuusinformaatio palvelurakennuksissa. In Rakennusfysiikka 2017: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut : 24.-26.10.2017, Tampere. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. pp. 325-330. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Heljo J, Sorri J, Harsia P. 2017. Energiatohokkuus on entistä enemmän sähkötehon hallintaa. Vinha J, Kivioja H, editors. In Rakennusfysiikka 2017: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. pp. 281-286. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Kelo T, Eronen J. 2017. Experiences from development of security audit criteria. In Proceedings of the 16th European Conference on Cyber Warfare and Security, ECCWS 2017. TAPPI Press; Curran Associates, Inc. pp. 208-215.

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

Perttula A. 2017. Eye tracking studies focusing on mathematics: a literature review. In INTED2017. The 11th annual International Technology, Education and Development Conference: Valencia, 6th - 8th of March, 2017.. IATED Academy. <https://doi.org/10.21125/inted.2017.0639>

Kiili K. 2017. From theories to game mechanics: Developing a game for training rational numbers. In Proceedings of the 11th European Conference on Games Based Learning, ECGBL 2017. Academic Conferences and Publishing International Limited. pp. 328-334.

Perttula A, Tuomi P. 2017. Gamification at School. In EDULEARN17: The 9th International Conference on Education and New Learning Technologies. pp. 9334-9340. <https://doi.org/10.21125/edulearn.2017.0756>

Nommeots-Nomm A, Massera J. 2017. Glass and Glass-Ceramic Scaffolds: Manufacturing Methods and the Impact of Crystallization on In-Vitro Dissolution. In Scaffolds in Tissue Engineering - Materials, Technologies and Clinical Applications. InTech Open Access Publisher. <https://doi.org/10.5772/intechopen.70242>

Mokhtarian H, Coatanea E, Paris H, Vihinen J. 2017. Identification of fundamental requirements for ideal metamodeling framework in additive manufacturing. Aaltonen J, Virkkunen R, Koskinen KT, Kuivanen R, editors. In Proceedings of the 2nd Annual SMACC Research Seminar 2017. pp. 29-31.

Meriläinen K, Vuori V, Helander N. 2017. Inter-organizational knowledge sharing barriers within an sme network: a case study. In Proceedings of the 18th European Conference on Knowledge Management: Barcelona, Spain, 7-8 September 2017. Reading, UK: Academic Conferences and Publishing International Limited. pp. 690-697.

Cenev Z, Zhang H, Sariola V, Rahikkala A, Liu D, Santos HA, Zhou Q. 2017. Manipulating Superparamagnetic Microparticles with an Electromagnetic Needle. *Advanced Materials Technologies*. 3(1). <https://doi.org/10.1002/admt.201700177>

Begishev V, Samuylov A, Moltchanov D, Samouylov K. 2017. Modeling the process of dynamic resource sharing between LTE and NB-IoT services. In Distributed Computer and Communication Networks - 20th International Conference, DCCN 2017, Proceedings. Springer Verlag. pp. 1-12. (Communications in Computer and Information Science). [https://doi.org/10.1007/978-3-319-66836-9\\_1](https://doi.org/10.1007/978-3-319-66836-9_1)

Gomez Casco D, Lohan E-S, Lopez-Salcedo JA, Seco-Granados G. 2017. Multilag Frequency Estimation for High-Order BOC Signals in the Acquisition Stage. In 2016 8th ESA Workshop on Satellite Navigation Technologies and European Workshop on GNSS Signals and Signal Processing (NAVITEC). IEEE. <https://doi.org/10.1109/NAVITEC.2016.7849325>

Mahlamäki T, Valkeinen T, Myllärniemi J, Hellsten P, Repo S. 2017. Personality's effect on peer assessment ability in case method context. In EDULEARN17 Proceedings. 9th International Conference on Education and New Learning Technologies: 3-5 July, 2017, Barcelona, Spain. IATED. pp. 6401-6405. (Edulearn proceedings). <https://doi.org/10.21125/edulearn.2017.2455>

Okkonen J, Vuori V. 2017. Perspectives on tools and applications supporting co-creation in knowledge work. In Proceedings of the 12th International Forum on Knowledge Asset Dynamics 2017: 7-9 Jun. 2017, St. Petersburg, Russia. pp. 369-376. (Proceedings IFKAD).

Hakkarainen T, Leahu G, Petronijevic E, Belardini A, Centini M, Li Voti R, Koivusalo E, Rizzo Piton M, Guina M, Sibilica C. 2017. Photo-acoustic Spectroscopy of Resonant Absorption in III-V Semiconductor Nanowires. In CLEO: Applications and Technology 2017: San Jose, California United States 14-19 May 2017. The Optical Society; OSA. [https://doi.org/10.1364/CLEO\\_AT.2017.JTh2A.48](https://doi.org/10.1364/CLEO_AT.2017.JTh2A.48)

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

Messo T, Luhtala R, Roinila T, Yang D, Wang X, Blaabjerg F. 2017. Real-Time Impedance-Based Stability Assessment of Grid Converter Interactions. In IEEE Workshop on Control and Modeling for Power Electronics. <https://doi.org/10.1109/COMPEL.2017.8013384>

Ketonen-Oksi S. 2017. Reinventing organisational creativity and innovation through adapting a service-based working culture. Schiuma G, Lerro A, editors. In Integrating arts and creativity into business practice. IGI Global. pp. 1-20. <https://doi.org/10.4018/978-1-5225-2050-4>

Utriainen R, Pöllänen M. 2017. Review on mobility as a service in scientific literature. In Conference Proceedings 1st International Conference on Mobility as a Service: ICoMaaS, Tampere 28.-29.11.2017. Tampere University of Technology. pp. 141-155.

Zhang B, Veijalainen J, Kotkov D. 2017. Samsung and Volkswagen crisis communication in Facebook and Twitter: A comparative study. In WEBIST 2017 - Proceedings of the 13th International Conference on Web Information Systems and Technologies. SCITEPRESS. pp. 312-323. <https://doi.org/10.5220/0006301403120323>

Juuti P, Rajala R. 2017. Sata vuotta Suomen suurimmasta lavantautiepidemiasta. *Vesitalous*. 2017(1):12-14.

Marttila T, Annala P, Suonketo J, Kero P, Pentti M. 2017. Securing the flow of information in renovation projects: Sustainable synergies from buildings to the urban scale. *PROCEDIA ENVIRONMENTAL SCIENCES*. 38:228-233. <https://doi.org/10.1016/j.proenv.2017.03.109>

Katko TS. 2017. Suomen vesihuollon kehitys ja opit kansainvälisessä kontekstissa. *Vesitalous*. 58(1):8-11.

Miettinen P, Ahokas M, Engström T, Heinonen J, Auvinen S. 2017. The role of base substrate on barrier and convertability properties of Water based barrier coated (WBBC) paper and paperboard. In Paper Conference and Trade Show, PaperCon 2017: Renew, Rethink, Redefine the Future, Minneapolis, Minnesota, USA, 23-26 April 2017. TAPPI Press. pp. 220-232.

Jääskeläinen A, Thitz O, Heikkilä J. 2017. The role of performance measurement in supplier-buyer value-creation. In Proceedings of 9th Conference on Performance Measurement and Management Control: 13-15 September 2017, Nice, France. EIASM. (Conference on Performance Measurement and Management Control).

Taivalsaari A, Mikkonen T. 2017. The Web as a software platform: Ten years later. In WEBIST 2017 - Proceedings of the 13th International Conference on Web Information Systems and Technologies. SCITEPRESS. pp. 41-50. <https://doi.org/10.5220/0006234800410050>

Laudyn UA, Kwaśny M, Karpierz MA, Assanto G. 2017. Three-color vector nematicon. *Photonics Letters of Poland*. 9(2):36-38. <https://doi.org/10.4302/plp.v9i2.718>

Vanhalakka J, Ilvonen I, Väättäjä H. 2017. Utilizing knowledge networks in virtual or augmented reality solution creation. Marimon F, Mas-Machuca M, Berbegal-Mirabent J, Bastida R, editors. In Proceedings of the 18th European Conference on knowledge Management ECKM 2017: 7-8 September 2017, Barcelona, Spain. Academic Conferences and Publishing International. pp. 1008-1014.

Juuti P, Rajala R. 2017. Valkea kaupunki, mustat vedet. *Vesitalous*. 2017(1):15-17.

Ahmad I, Rantanen P, Sillberg P, Laaksonen J, Liu S, Forss T, Malik A, Nieminen M, Shetty R, Ishikawa S, Kallio J, Saarinen JP, Gabbouj M, Soini J. 2017. VisualLabel: An Integrated Multimedia Content Management and Access Framework. In The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases, EJC 2017: June 5-9, 2017, Krabi, Thailand. pp. 332-353.

Sillberg P, Veksommai C, Soini J, Jaakkola H. 2017. Web-user-interface system utilizing rhmei and open data for a water quality analyzer. Sornlertlamvanich V, Chawakitchareon P, Hansuebsai A, Koopipat C, Kiyoki Y, Kangassalo H, Thalheim B, Yoshida N, editors. In The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases, EJC 2017: June 5-9, 2017, Krabi, Thailand. Sirindhorn International Institute of Technology, Thammasat University, Thailand. pp. 444-451.

Ketonen-Oksi S. 2016. Re-inventing organizational creativity and innovation through adopting a service-based working culture. In Integrating Art and Creativity into Business Practice. IGI Global. pp. 1-20. <https://doi.org/10.4018/978-1-5225-2050-4.ch001>

Nisula K, Pekkola S. 2016. Assessing business learning by analysing ERP simulation log files. In AIS SIGED 2016 Conference on IS education and Research. : Dublin, Ireland, December 10-11, 2016. Dublin.

Devos M, Ometov A, Mäkitalo N, Aaltonen T, Andreev S, Koucheryavy Y. 2016. D2D communications for mobile devices: Technology overview and prototype implementation. In 8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE. pp. 124-129. <https://doi.org/10.1109/ICUMT.2016.7765344>

Galinina O, Turlikov A, Andreev S, Koucheryavy Y. 2016. Improving reliability of replicated message delivery in cellular machine-type communications. In 2016 8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE. pp. 106-110. <https://doi.org/10.1109/ICUMT.2016.7765341>

Ranta V, Aarikka-Stenroos L, Mäkinen S. 2016. Business models in the circular economy: a structured multiple-case analysis. In Proceedings of ISPIM Innovation Summit, Kuala Lumpur, Malaysia. The International Society for Professional Innovation Management (ISPIM): 4-7 December 2016.

Aarikka-Stenroos L, Boedeker S, Köppä L, Langwaldt J. 2016. How to develop a new innovation education tool: case of impact canvas. In In the Proceedings of ISPIM Innovation Summit. The International Society for Professional Innovation Management (ISPIM). : 4-7 December 2016, Kuala Lumpur, Malaysia..

Lampio K, Karvinen R. 2016. Multi-Objective Optimization of Fin Array Heat Sinks. In Thermnic 2016: 22nd international workshop Thermal investigations of ICs and Systems. IEEE. <https://doi.org/10.1109/THERMINIC.2016.7749070>

Kekonen A, Bergelin M, Eriksson J-E, Ylänen H, Kielosto S, Viik J. 2016. Bioimpedance measurement system for evaluation of the status of wound healing. In 2016 15th Biennial Baltic Electronics Conference (BEC) . IEEE. pp. 175-178. <https://doi.org/10.1109/BEC.2016.7743757>

Collin J, Perttula A, Parviainen J, Racko J, Brida P. 2016. Pedestrian Dead Reckoning with Particle Filter for Handheld Smartphone. In 2016 International Conference on Indoor Positioning and Indoor Navigation (IPIN). IEEE. <https://doi.org/10.1109/IPIN.2016.7743608>

Systä K, Vuori M, Järvinen H-M, Ahtee T, Sten H. 2016. Project types and industrial collaboration in project-based learning . Järvinen H-M, Clark R, editors. In Proceedings of SEFI 2016 annual conference. Tampere / Brussels: European Society for Engineering Education SEFI.

Lohan E-S, Kauppinen T, Debnath SBC. 2016. A Survey of People Movement Analytics Studies in the Context of Smart Cities. In Proceedings of the FRUCT'19. pp. 151-158. <https://doi.org/10.23919/FRUCT.2016.7892195>

Holopainen S, Kouhia R. 2016. Continuum approach for modeling fatigue in amorphous glassy polymers. Applications to the investigation of damage mechanisms in polycarbonate.

Petrov V, Pyattaev A, Moltchanov D, Koucheryavy Y. 2016. Terahertz band communications: Applications, research challenges, and standardization activities. In 2016 8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE. pp. 1-8. <https://doi.org/10.1109/ICUMT.2016.7765354>

Tamminen P, Viheriäkoski T. 2016. Charged cable-system ESD event. In 2016 38th Electrical Overstress/Electrostatic Discharge Symposium (EOS/ESD). IEEE. <https://doi.org/10.1109/EOSESD.2016.7592559>

Viheriäkoski T, Kärjä E, Hillberg J, Tamminen P. 2016. Charge relaxation of slowly dissipative polymers. In 2016 38th Electrical Overstress/Electrostatic Discharge Symposium (EOS/ESD). IEEE. pp. 1-9. <https://doi.org/10.1109/EOSESD.2016.7592533>

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

Gudkova I, Markova E, Masek P, Andreev S, Hosek J, Yarkina N, Samouylov K, Koucheryavy Y. 2016. Modeling the utilization of a multi-tenant band in 3GPP LTE system with Licensed Shared Access. In 2016 8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE. pp. 119-123. <https://doi.org/10.1109/ICUMT.2016.7765343>

Amiot CG, Ryczkowski P, Aalto A, Toivonen J, Genty G. 2016. Mid-Infrared Sources for Ultra-Broadband Cavity Enhanced Spectroscopy. In Frontiers in Optics 2016. OSA.

Moilanen C, Björkqvist T, Ovaska M, Koivisto J, Miksic A, Engberg B, Salminen L, Saarenrinne P, Alava M. 2016. Modelling and Simulation of Radial Spruce Compression to Optimize Energy Efficiency in Mechanical Pulping. In 2016 International Mechanical Pulping (IMPC) Conference Proceedings, Monday, September 26 - Wednesday, September 28, Jacksonville, Florida, USA. USA: TAPPI. pp. 53-70.

Jussila J, Helander N, Vuori V, Okkonen J. 2016. Sosiaalinen media brändi- ja asiakastiedon lähteenä. Tuomi P, editor. In TiedeAreena 2016. Pori: Tampereen teknillinen yliopisto, Porin laitos. pp. 55-56.

Myllykoski T, Pohjolainen S, Ali-Löytty S. 2016. Students' Use of Learning Tools and Tool Types: Solving Self-Study Assignments on an Online Platform. In SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation. European Society for Engineering Education SEFI.

Joutsenlahti J, Ali-Löytty S, Pohjolainen S. 2016. Developing Learning and Teaching in Engineering Mathematics with and without Technology. In SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation. European Society for Engineering Education SEFI.

Laine K, Sipilä E, Anderson M, Sydänheimo L. 2016. Electronic Exam in Electronics Studies. In SEFI Annual Conference 2016: Engineering Education on Top of the World: Industry University Cooperation.

Rekola J, Suntio T. 2016. Implementing of Activating Learning Strategy for a Course on Electric Drives. In SEFI 2016 Annual Conference Proceedings: Implementing of Activating Learning Strategy for a Course on Electric Drives. European Society for Engineering Education SEFI. pp. 1-8.

Helander N, Boedeker M, Hellsten P, Jussila J, Myllärniemi J, Tukiainen M. 2016. Affective experiences and student engagement in higher education. In 44th Annual Conference Of The European Society For Engineering Education: 12-15 September 2016, Tampere, Finland. Tampere.

Tukiainen MO. 2016. Students as mystery shoppers: lowering knowledge sharing barriers in higher education. In 44th Annual Conference Of The European Society For Engineering Education: 12-15 September 2016, Tampere, Finland. Tampere.

Järvinen H-M, Mikkonen T. 2016. Industrial impact on topics and types of Master's theses: Empirical study of software engineering theses made in 1990-2016. Järvinen H-M, Clark R, editors. In Proceedings of SEFI 2016 Annual Conference. European Society for Engineering Education SEFI.

Ketola S, Sipilä E, Pajarre E, Takala J. 2016. New introductory courses and teacher tutoring: Keys to an efficient beginning for university studies in engineering. In SEFI Annual Conference 2016: Engineering Education on Top of the World: Industry University Cooperation.

Kuula PH, Leppänen MM, Penttilä ME. 2016. Towards better learning by increased student engagement. Niemi T, Järvinen H-M, editors. In Proceedings of the 44th SEFI Annual Conference 2016: 12th-15th September 2016, Tampere, Finland. Tampere: European Society for Engineering Education SEFI.

Komar M, Edelev S, Koucheryavy Y. 2016. Handheld wireless authentication key and secure documents storage for the Internet of Everything. In Proceedings of the 18th Conference of Open Innovations Association FRUCT and Seminar on Information Security and Protection of Information Technolog, FRUCT-ISPIT 2016. IEEE COMPUTER SOCIETY PRESS. pp. 120-130. <https://doi.org/10.1109/FRUCT-ISPIT.2016.7561517>

Orsino A, Ometov A. 2016. Validating information security framework for offloading from LTE onto D2D links. In Proceedings of the 18th Conference of Open Innovations Association FRUCT and Seminar on Information Security and Protection of Information Technolog, FRUCT-ISPIT 2016. IEEE COMPUTER SOCIETY PRESS. pp. 241-247. <https://doi.org/10.1109/FRUCT-ISPIT.2016.7561534>

Vuori V, Helander N. 2016. Knowledge barriers in university-industry knowledge networks. In 17th European Conference on Knowledge Management, At Belfast, Northern Ireland, UK.: 1-2 Sep. 2016. Academic Conferences and Publishing International Limited Reading. pp. 952-959.

Valenti M, Diment A, Parascandolo G, Squartini S, Virtanen T. 2016. DCASE 2016 Acoustic Scene Classification Using Convolutional Neural Networks. In Proceedings of the Detection and Classification of Acoustic Scenes and Events 2016 Workshop (DCASE2016). Tampere University of Technology. Department of Signal Processing.

Pertilä P, Brutti A. 2016. Increasing the environment-awareness of rake beamforming for directive acoustic sources. In 15th International Workshop on Acoustic Signal Enhancement (IWAENC).

Machado MA, Magnier-Watanabe R, Peltola T. 2016. Capturing knowledge from research projects: From project reports to storytelling. In 2016 Portland International Conference on Management of Engineering and Technology (PICMET). IEEE. pp. 2048-2057. <https://doi.org/10.1109/PICMET.2016.7806602>

Takala A, Korhonen-Yrjänheikki K. 2016. Finnish Engineering Education for Sustainable Development in 2016 - Call for collaborative learning. In SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation. European Society for Engineering Education SEFI.

Väätäjä H, Ahtinen A. 2016. Integrating mobile orienteering to team forming activity in a software engineering course. In SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation. European Society for Engineering Education SEFI.

Valmari A, Kaarakka T. 2016. MathCheck: a tool for checking math solutions in detail. In SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation. European Society for Engineering Education SEFI.

Kangas J, Lunden O-P. 2016. Strengthening student engagement by integrating the contents of a flipped course around a well-confined real life theme. In SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation.

Santinha J, Gupta A, Martins L, Annala T, Häkkinen A, Mora A, Lloyd-Price J, Ribeiro A, Oliveira SMD, Fonseca JR. 2016. icellfusion: Tool for fusion and analysis of live-cell images from time-lapse multimodal microscopy. In Biometrics: Concepts, Methodologies, Tools, and Applications. IGI Global. pp. 806-834. <https://doi.org/10.4018/978-1-5225-0983-7.ch033>

Vainio T, Walsh T. 2016. Learning Maths with mobiles: Cross-cultural design of technology with experiences in South-Africa and Finland. In Blended Learning: Concepts, Methodologies, Tools, and Applications. IGI Global. pp. 741-759. <https://doi.org/10.4018/978-1-5225-0783-3.ch037>

Dumitrescu M, Uusitalo T, Virtanen H, Laakso A, Bardella P, Montrosset I. 2016. Simulation of photon-photon resonance enhanced direct modulation bandwidth of DFB lasers. In 16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE. pp. 147-148. <https://doi.org/10.1109/NUSOD.2016.7547075>



- Virtanen H, Uusitalo T, Dumitrescu M. 2016. Simulation studies of DFB laser longitudinal structures for narrow linewidth emission. In 16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE. pp. 153-154. <https://doi.org/10.1109/NUSOD.2016.7547078>
- Uusitalo T, Virtanen H, Dumitrescu M. 2016. Transverse structure optimization of laterally-coupled ridge waveguide DFB lasers. In 16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE. pp. 79-80. <https://doi.org/10.1109/NUSOD.2016.7547038>
- Silverajan B, Vajaranta M, Kolehmainen A. 2016. Home Network Security: Modelling Power Consumption to Detect and Prevent Attacks on Homenet Routers. In Proceedings of the 11th Asia Joint Conference on Information Security (AsiaJCIS 2016), Fukuoka, Japan, August 4-5, 2016. IEEE. pp. 9-16. <https://doi.org/10.1109/AsiaJCIS.2016.10>
- Vajaranta M, Kannisto J, Harju J. 2016. Implementation Experiences and Design Challenges for Resilient SDN Based Secure WAN Overlays. In 2016 11th Asia Joint Conference on Information Security (AsiaJCIS). IEEE. pp. 17-23. <https://doi.org/10.1109/AsiaJCIS.2016.25>
- Nurmi J, Kannisto J, Vajaranta M. 2016. Observing Hidden Service Directory Spying with a Private Hidden Service Honeynet. In Proceedings of the 11th Asia Joint Conference on Information Security (AsiaJCIS 2016), Fukuoka, Japan, August 4-5, 2016. pp. 55-59. <https://doi.org/10.1109/AsiaJCIS.2016.31>
- Neenonen S, Rahtola R, Kojo I. 2016. Third places and user preferences – affordances in the cities. Jensen PA, editor. In Proceedings of CFM's Second Nordic Conference: Facilities Management Research and Practice;: 29-30 AUGUST 2016, Denmark. pp. 17-25.
- Saari U, Mäkinen S. 2016. Study on the capability to measure stakeholders' brand experiences with a consumer-centric measurement framework. In Global Marketing Conference Proceedings 2016 Hong Kong, July 21 - 24: Track: Stakeholders-brand Relationships. pp. 1034-1035. (Proceedings of the Global Marketing Conference).
- Helander N, Myllylä M. 2016. Teoriaa ja kokemuksia arvioinnista MOOCien aikakaudella. TAMPEREEN AMMATTIKORKEAKOULUN JULKAISUJA. SARJA B, RAPORTTEJA. 70-77.
- Suominen A, Mäenpää S. 2016. Power bases in lead organization network governance form: a multi-level approach. Paper presented at European Group for Organizational Studies Colloquium, .
- Ala-Maakala M, Liimatainen H. 2016. Customer value management framework for supply chains. Pawar K, editor. In The proceedings of 21st international symposium on logistics (ISL 2016): Sustainable transport and supply chain innovation, Kaohsiung, Taiwan 3-6 July 2016. pp. 447-456.
- Sorokin M, Strokina N, Eerola T, Lensu L, Karttunen K, Kalviainen H. 2016. Image-based characterization of the pulp flows. Pattern Recognition and Image Analysis. 26(3):630-637. <https://doi.org/10.1134/S1054661816030196>
- Goncalves NSM, Martins L, Tran H, Oliveira SMD, Neeli-Venkata R, Fonseca J, Ribeiro AS. 2016. In vivo single-molecule dynamics of transcription of the viral T7 Phi 10 promoter in Escherichia coli. In The 8th International Conference on Bioinformatics, Biocomputational Systems and Biotechnologies (BIOTECHNO2016). IARIA. pp. 9-15.
- Ribeiro A, Oliveira S. 2016. Using a synthetic probe to study the robustness of the segregation process of protein aggregates in Escherichia coli. In The 8th International Conference on Bioinformatics, Biocomputational Systems and Biotechnologies (BIOTECHNO2016). IARIA. pp. 21-22.
- Suominen O, Mörsky V, Ritala R, Viikko M. 2016. Framework for optimization and scheduling of a copper production plant . In 26th European Symposium on Computer Aided Process Engineering, 2016. Elsevier Science B.V. pp. 1243-1248. (Computer Aided Chemical Engineering). <https://doi.org/10.1016/B978-0-444-63428-3.50212-5>

Huuhka S. 2016. Demolished buildings: Empirical evidence on types, ages and construction materials. Hajek P, Tywoniak J, Lupisek A, Sojkova K, editors. In CESB16 - Central Europe towards Sustainable Building 2016: Innovations for Sustainable Future, June 22-24, 2016, Prague. Prague: Czech Technical University in Prague. pp. 1105-1112.

Huuhka S. 2016. Demolition Rates of Buildings with Different Functions and Construction Materials. Zelezna J, Hajek P, Tywoniak J, Lupisek A, Sojkova K, editors. In YRSB16 - iiSBE Forum of Young Researchers in Sustainable Building 2016: Innovations for Sustainable Future June 21, 2016, Prague. Prague: Czech Technical University in Prague. pp. 301-307.

Mäenpää S, Suominen A, Breite R. 2016. Knowledge integration method development for multi-stakeholder innovation. In Proceedings of The XXVII ISPIM Conference 2016 Porto, Portugal - 19-22 June 2016 : Blending Tomorrow's Innovation Vintage.

Saari UA, Mäkinen SJ. 2016. Exploring how brand experience measurement could be used for integrating marketing and R&D. In XXVII ISPIM Innovation Conference 2016: Porto, 19-22 June, 2016.

Aarikka-Stenroos L, Peltola T, Rikkiev A, Saari U. 2016. Multiple facets of innovation and business ecosystem research: the foci, methods and future agenda. In XXVII ISPIM Innovation Conference 2016: Porto, 19-22 June, 2016. pp. 1-33.

Michele Felicetti A, Ammirato S, Raso C, Aramo-Immonen H, Jussila J. 2016. Being a start-upper in Italy: Motivations, obstacles and success factors. In Proceedings of the 11th forum on knowledge asset dynamics: Towards a new architecture of knowledge: big data, culture and creativity. Dresden. pp. 1370-1383.

Stormi K, Laine T, Suomala P. 2016. Customer lifetime value in manufacturing services. In Proceedings of the Manufacturing Accounting Research Conference 2016: Lisbon, Portugal, June 15-17, 2016. Belgium: European Institute for Advanced Studies in Management EIASM.

Jussila J, Aramo-Immonen H, Rouvari O, Porkka P, Ammirato S. 2016. Does Strategic and Innovative Fit Indicate Smart Social Media use in a Company?. In Proceedings of the 11th International Forum on Knowledge Asset Dynamics: Towards a New Architecture of Knowledge: Big Data, Culture and Creativity, Dresden -Germany 15-17 June 2016. Dresden. pp. 1973-1983.

Tenucci A, Laine T. 2016. Management accounting and new service development under servitization: literature review and case studies. In Proceedings of the Manufacturing Accounting Research Conference 2016: Lisbon, Portugal, June 15-17, 2016.

Saukkonen N, Laine T, Suomala P. 2016. Management accounting in managerial work: engaging facts and feelings in decision making. In Proceedings of the Manufacturing Accounting Research Conference 2016: Lisbon, Portugal, June 15-17, 2016. European Institute for Advanced Studies in Management EIASM. (Proceedings of the Manufacturing Accounting Research Conference ).

Haapanen J, Krohns-Välimäki H, Verho P. 2016. Improving the Situation Awareness of DSOs in Major Disturbances by Visualizing the State of Mobile Networks. In CIREW Workshop 2016.

Ketonen-Oksi S. 2016. Adapting service-based working culture as the key driver for organisational creativity and innovation. In Towards a new architecture of knowledge : Big Data, culture and creativity: IFKAD 2016-11th International Forum on Knowledge Asset Dynamics, Dresden 15-17.6.2016, Germany.

Helander N, Okkonen J, Vuori V, Paavilainen N, Kujala J. 2016. Enablers and Restraints of Knowledge Work – Does profession make a difference?. In Towards a new architecture of knowledge : Big Data, culture and creativity: IFKAD 2016-11th International Forum on Knowledge Asset Dynamics, Dresden 15-17.6.2016, Germany. pp. 40-52.

Burd SC, Leinonen T, Penttinen JP, Allcock DTC, Slichter DH, Srinivas R, Wilson AC, Guina M, Leibfried D, Wineland DJ. 2016. Single-frequency 571nm VECSEL for photo-ionization of magnesium. In Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) VI. San Francisco: SPIE. (SPIE Conference Proceedings).

<https://doi.org/10.1117/12.2213398>

Róg T, Orłowski A, Llorente A, Skotland T, Sylvänne T, Kauhanen D, Ekroos K, Sandvig K, Vattulainen I. 2016. Data including GROMACS input files for atomistic molecular dynamics simulations of mixed, asymmetric bilayers including molecular topologies, equilibrated structures, and force field for lipids compatible with OPLS-AA parameters. *Data in Brief*. 7:1171-1174. <https://doi.org/10.1016/j.dib.2016.03.067>

Vuorinen L, Martinsuo M. 2016. Practice of project control under different levels of complexity in engineering projects. In EURAM (European Academy of Management) conference 2016: Manageable cooperation? June 1-4, 2016 Paris.

Huttunen H, Shokrollahi Yancheshmeh F, Chen K. 2016. Car Type Recognition with Deep Neural Networks. In 2016 IEEE Intelligent Vehicles Symposium, IV 2016. IEEE. pp. 1115-1120. <https://doi.org/10.1109/IVS.2016.7535529>

Ritala P, Aarikka-Stenroos L. 2016. Disruptive innovation in ecosystems: Path-creation and institutional barriers. In XXVI ISPIM Conference: Porto, Portugal (2016) Blending Tomorrow's Innovation Vintage.: The International Society for Professional Innovation Management, Jun. 2016. Manchester: International Society for Professional Innovation Management ISPIM. pp. 1-16.

Lummi K, Rautiainen A, Järventausta P, Heine P, Lehtinen J, Hyvärinen M. 2016. Electricity Distribution Network Tariffs - Present Practices, Future Challenges and Development Possibilities. In CIREW Workshop 2016.

Kulmala A, Repo S. 2016. Handling exceptional situations in a distribution network congestion management algorithm. In CIREW Workshop 2016. Helsinki, Finland. <https://doi.org/10.1049/cp.2016.0663>

Wang Y, Lan R, Mateos X, Li J, Pan Y, Suomalainen S, Härkönen A, Guina M, Griebner U, Petrov V. 2016. In-band-pumped mode-locked Ho:YAG ceramic laser at 2.1  $\mu\text{m}$ . In 2016 Conference on Lasers and Electro-Optics (CLEO). IEEE. pp. 1-2.

Neonen S, Vaittinen E, Martinsuo M. 2016. Incremental service innovations in a manufacturing firm's delivery chain. In 23rd Innovation and Product Development Management Conference (IPDMC): Glasgow, U. K. June 12-14, 2016. (Innovation and Product Development Management Conference).

Martinsuo M, Väliäho V. 2016. Service orientation and innovation in the strategies of manufacturing SMEs. In 23rd Innovation and Product Development Management Conference (IPDMC): 12-14 June, 2016, Glasgow, U.K.. EIASM.

Vats S, Rissanen M. 2016. Parameters Affecting the Upcycling of Waste Cotton and PES/CO Textiles. *Recycling*. 1(1):166-177. <https://doi.org/10.3390/recycling1010166>

Oostra M, Huovinen P. 2016. Radical programmes for developing the EU residential building sectors as exemplified by Finland and the Netherlands. In Proceedings of CIB World Building Congress 2016, May 30 - June 3, 2016 Tampere, Finland: Creating built environments of new opportunities. Tampere: Tampere University of Technology. Department of Civil Engineering. pp. 17-28.

Huovinen P. 2016. Relevance of five generic business ideation approaches vis-a-vis contexts embedded within construction markets. Achour N, editor. In Proceedings of the CIB World Building Congress 2016, May 30 - June 3, 2016, Tampere, Finland: Advancing products and services. Tampere: Tampere University of Technology. Department of Civil Engineering. pp. 1129-1140.

Vihola J, Edelman H. 2016. Life-Cycle Economics of Rentable Prefabricated School Facility Units in Municipal Real Estate Procurement. In Proceedings of the CIB World Building Congress 2016: Volume V: Advancing Products and Services. Tampere University of Technology. Department of Civil Engineering. pp. 76-87.

Kähkönen K, Keinänen M, ed. 2016. Proceedings of the CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities. Tampere University of Technology. Department of Civil Engineering. 917 p. (Tampere University of Technology. Department of Civil Engineering. Construction Management and Economics. Report).

Saari A, Huovinen P, ed. 2016. Proceedings of the CIB World Building Congress 2016: Volume III - Building Up Business Operations and Their Logic. Shaping Materials and Technologies. Tampere University of Technology. Department of Civil Engineering. 743 p. (Tampere University of Technology. Department of Civil Engineering. Construction Management and Economics. Report).

Nenonen S, Junnonen J-M, ed. 2016. Proceedings of the CIB World Building Congress 2016: Volume IV - Understanding Impacts and Functioning of Different Solutions. Tampere University of Technology. Department of Civil Engineering. 718 p. (Tampere University of Technology. Department of Civil Engineering. Construction Management and Economics. Report).

Jussila J, Boedeker M, Jalonen H, Helander N. 2016. Social media analytics empowering marketing insight- A framework for analyzing affective experiences from social media content. Paper presented at EMAC 2016, Oslo, Norway.

Paloniitty M. 2016. Durability study on high speed water hydraulic miniature on/off-valve. In DFP16, Proceedings of the eighth workshop on digital fluid power, May 24-25, 2016, Tampere, Finland. Tampere. pp. 201-211.

Fouladi A, Järvenhaara J, Filanovsky IM, Tchamov NT. 2016. A Variable Battery Supply DC-DC Buck Converter Designed for 45nm-CMOS Technology. In 2016 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), Vancouver, May 15-18, 2016.. <https://doi.org/10.1109/CCECE.2016.7726839>

Filanovsky IM, Järvenhaara JK, Tchamov NT. 2016. On Moderate Inversion/Saturation Regions As Approximations to "Reconciliation" Model. In 2016 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), Vancouver, May 15-18, 2016. IEEE. <https://doi.org/10.1109/CCECE.2016.7726696>

Raunio J-P, Ritala R. 2016. Optimal operation of a QCS scanner in a paper machine based on the information of QCS and WIS measurements. In PaperCon 2016 Conference Proceedings -TAPPI. Cincinnati, USA: TAPPI. pp. 1-11.

Passinmäki P. 2016. Architecture beyond signs and symbols : Zumthor's response to the problems of aesthetics. ARQ- Architectural Research Quarterly. 19(4):325-328. <https://doi.org/10.1017/S1359135516000038>

Habib M, Hussain A, Rasheed S, Ali M. 2016. Adaptive fuzzy inference system based directional median filter for impulse noise removal. AEU International Journal of Electronics and Communication. 70(5):689-697. <https://doi.org/10.1016/j.aeue.2016.02.005>

Vaittinen E, Martinsuo M, Nenonen S. 2016. Enhancing the acceptance of advanced services among users of complex systems. Baines T, Harrison D, Zolkiewski J, editors. In Servitization: Shift, Transform, Grow: Proceedings of the Spring Servitization Conference, 16-17 May 2016 (SSC2016). pp. 162-170.

Di Buo B, D'Ignazio M, Selänpää J, Länsivaara T. 2016. Preliminary results from a study aiming to improve ground investigation data. In Proceedings of the 17th Nordic Geotechnical Meeting: Challenges in Nordic Geotechnics 25th-28th of May. Reykjavik: Icelandic Geotechnical Society. pp. 187-197.

D'Ignazio M, Länsivaara T. 2016. Strength increase below an old test embankment in Finland. In The 17th Nordic Geotechnical Meeting: Conference proceedings. Reykjavik: Icelandic Geotechnical Society. pp. 357-366.

Pakkala T, Lemberg A-M, Lahdensivu J. 2016. The effect of climate change on the amount of wind driven rain on concrete facades. Prins M, Wamelink H, Giddings B, Ku K, Feenstra M, editors. In Proceedings of the CIB World Building Congress 2016: Vol 2 : Environmental opportunities and challenges, Constructing commitment and acknowledging human experiences. Tampere: Tampere University of Technology. Department of Civil Engineering. pp. 153-165.

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

Vilmi P, Nelo M, Voutilainen J-V, Palosaari J, Pörhönen J, Tuukkanen S, Jantunen H, Juuti J, Fabritius T. 2016. Fully printed memristors for a self-sustainable recorder of mechanical energy. *Flexible and Printed Electronics*. 1(2). <https://doi.org/10.1088/2058-8585/1/2/025002>

Bernhardt J, Helander N, Jussila J, Kärkkäinen H. 2016. Crowdsourcing in Business-to-Business Markets: A Value Creation and Business Model Perspective. In *Encyclopedia of E-Commerce Development, Implementation, and Management*. United States: IGI Global. pp. 933-943. <https://doi.org/10.4018/978-1-4666-9787-4.ch066>

Karimi N, Alberucci A, Virkki M, Priimägi A, Kauranen M, Assanto G. 2016. Quenching nematicon fluctuations via photo-stabilization. *Photonics Letters of Poland*. 8(1):2-4. <https://doi.org/10.4302/plp.2016.1.02>

Tiihonen J, Schramm A, Kylänpää I, Rantala T. 2016. Finite temperature path-integral modeling of quantum dot cellular automata. Paper presented at PHYSICS DAYS / FYSIIKAN PÄIVÄT : ANNUAL MEETING OF THE FINNISH PHYSICAL SOCIETY, .

Mari T, Leivo V, Pekkonen M, Aaltonen A, Kiviste M, Haverinen-Shaughnessy U. 2016. Sisäympäristön laadun ja terveellisuuden arviointi energiaparannuskohteissa. In *Sisäilmastoseminaari 2016, Sisäilmayhdistys raportti 34*. SIY SISÄILMATIETO OY. pp. 13-18.

Parrotta D, Casula R, Penttinen J-P, Leinonen T, Kemp A, Guina M, Hastie J. 2016. InGaAs-QW VECSEL emitting >1.300-nm via intracavity Raman conversion. In *Vertical External Cavity Surface Emitting Lasers (VECSELs) VI*. (Proceedings of SPIE). <https://doi.org/10.1117/12.2217593>

Uusitalo T, Virtanen H, Viheriälä J, Salmi J, Aho AT, Dumitrescu M. 2016. Difference frequency modulation of multi-section dual-mode lasers with nanoscale surface gratings. Belyanin AA, Smowton PM, editors. In *SPIE Proceedings: Novel In-Plane Semiconductor Lasers XV*. SPIE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2213888>

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

El-Khozondar H, El-Khozondar R, Matter K, Suntio T. 2016. A review study of photovoltaic array maximum power point tracking algorithms. *Renewables: Wind, Water, and Solar*. 3(1). <https://doi.org/10.1186/s40807-016-0022-8>

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

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

Filippov V, Chamorovskii YK, Golant KM, Vorotynskii A, Okhotnikov OG. 2016. Optical amplifiers and lasers based on tapered fiber geometry for power and energy scaling with low signal distortion. Ballato J, editor. In *Proceedings of SPIE: Fiber Lasers XIII: Technology, Systems, and Applications*. SPIE. ( SPIE conference proceedings). <https://doi.org/10.1117/12.2218051>

Saarinen EJ, Lyytikäinen J, Ranta S, Rantamäki A, Saarela A, Sirbu A, Iakovlev V, Kapon E, Okhotnikov OG. 2016. A 1.5-W frequency doubled semiconductor disk laser tunable over 40 nm at around 745 nm. In *Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) VI*. SPIE. (Spie conference proceedings). <https://doi.org/10.1117/12.2209384>

Davidson P, Raunio JP, Piché R. 2016. Accurate depth estimation from a sequence of monocular images supported by proprioceptive sensors. In *23rd Saint Petersburg International Conference on Integrated Navigation Systems, ICINS 2016 - Proceedings*. State Research Center of the Russian Federation. pp. 249-257.

Kauppila P, Kouhia R, Ojanperä J, Saksala T, Sorjonen T. 2016. A continuum damage model for creep fracture and fatigue analyses. In 21st European Conference on Fracture, ECF21, 20-24 June 2016, Catania, Italy. pp. 887-894. (Procedia Structural Integrity). <https://doi.org/10.1016/j.prostr.2016.06.114>

Vainio VV, Pulkkinen A. 2016. A follow-up case study of the relation of PLM Architecture, Maturity and Business processes. In Product Lifecycle Management in the Era of Internet of Things: 12th IFIP WG 5.1 International Conference, PLM 2015, Doha, Qatar, October 19-21, 2015, Revised Selected Papers. Springer New York LLC. pp. 867-873. (IFIP Advances in Information and Communication Technology). [https://doi.org/10.1007/978-3-319-33111-9\\_79](https://doi.org/10.1007/978-3-319-33111-9_79)

Stormi K, Laine T, Korhonen T. 2016. Agile methods in performance management system development process. In 10th Conference On New Directions In Management Accounting, Brussels, Belgium, December 14-16, 2016.

Van Mellaert R, Mela K, Tiainen T, Heinisuo M, Lombaert G, Schevenels M. 2016. A mixed-integer linear programming approach for global discrete size optimization of frame structures. In ECCOMAS Congress 2016 - Proceedings of the 7th European Congress on Computational Methods in Applied Sciences and Engineering: Crete; Greece; 5 June 2016 through 10 June 2016. National Technical University of Athens. pp. 3395-3408.

Alexandru RC, Lohan E-S. 2016. Analysis of Real Mobility Records in Urban and Suburban Environments. In 26TH DAAAM International Symposium on Intelligent Manufacturing and Automation. DAAAM International. pp. 0688-0692. <https://doi.org/10.2507/26th.daaam.proceedings.094>

Alberucci A, Pannian JC, Slussarenko S, Piccirillo B, Santamato E, Marrucci L, Assanto G. 2016. A new waveguiding mechanism based upon geometric phase. In Frontiers in Optics 2016. Optical Society of America (OSA).

Prudanov A, Tkachev S, Golos N, Masek P, Hosek J, Fujdiak R, Zeman K, Ometov A, Bezzateev S, Voloshina N, Andreev S, Misurec J. 2016. A trial of yoking-proof protocol in RFID-based smart-home environment. In Distributed Computer and Communication Networks - 19th International Conference, DCCN 2016, Revised Selected Papers. Springer Verlag. pp. 25-34. (Communications in Computer and Information Science). [https://doi.org/10.1007/978-3-319-51917-3\\_3](https://doi.org/10.1007/978-3-319-51917-3_3)

Kouhia R, Holopainen S, Ottosen NS, Matti R, Saksala T. 2016. A unified lcf-hcf model based on continuum mechanics. Paper presented at Nordic Seminar on Computational Mechanics, .

Lehtonen V, Länsivaara T. 2016. Back-calculation of the Saint-Alban A test embankment with a new modelling approach in LEM. In Proceedings of the The 17th Nordic Geotechnical Meeting, Reykjavik Iceland: 25th - 28th of May 2016. pp. 691-699.

Salo K, Giova D, Mikkonen T. 2016. Backend infrastructure supporting audio augmented reality and storytelling. In Human Interface and the Management of Information: Applications and Services: 18th International Conference, HCI International 2016 Toronto, Canada, July 17-22, 2016. Proceedings, Part II. Springer Verlag. pp. 325-335. (Lecture Notes in Computer Science). [https://doi.org/10.1007/978-3-319-40397-7\\_31](https://doi.org/10.1007/978-3-319-40397-7_31)

Ojala M, Mahlamäki T. 2016. Benefits of digitally guided buying in B2B markets. In 25th annual IPSERA Conference: Dortmund, Sunday 20 March - Wednesday 23 March 2016. Dortmund.

Sorri J, Heljo J, Järventausta P, Honkapuro S, Harsia P. 2016. Building Codes and Demand Response of Energy Use. Nenonen S, Junnonen J-M, editors. In Proceedings of the CIB World Building Congress 2016: Volume IV: Understanding Impacts and Functioning of Different Solutions. Tampere University of Technology. Department of Civil Engineering. pp. 8-21.

Haverinen-Shaughnessy U, Pekkonen M, Turunen M, Aaltonen A, Leivo V. 2016. Building energy retrofits, occupant health and wellbeing. Prins M, Wamelink H, Giddings B, Ku K, Feenstra M, editors. In CIB World Building Congress 2016 Proceedings : Volume 2 Environmental Opportunities and challenges - Constructing commitment and acknowledging human experiences. Tampere University of Technology. Department of Civil Engineering. pp. 679-687.

Kurvinen A, Sorri J. 2016. Bus Transportation Accessibility - Does It Impact Housing Values?. Nenonen S, Junnonen J-M, editors. In Proceedings of the CIB World Building Congress 2016: Understanding impacts and functioning of different solutions. Tampere: Tampere University of Technology. Department of Civil Engineering. pp. 321-331.

Nenonen S, Eriksson R, Niemi O, Junghans A, Nielsen SB, Lindahl G. 2016. Campus retrofitting (CARE) methodology: a way to co-create future learning environments. In Proceedings of the 20th CIB World Building Congress 2016: May 30- June 3, 2016, Tampere, Finland. pp. 738-749.

Pulkkinen A, Huhtala P, Leino S-P, Anttila JP, Vainio VV. 2016. Characterising the industrial context of engineering change management. In Product Lifecycle Management in the Era of Internet of Things: 12th IFIP WG 5.1 International Conference, PLM 2015, Doha, Qatar, October 19-21, 2015, Revised Selected Papers. Springer New York LLC. pp. 618-627. (IFIP Advances in Information and Communication Technology). [https://doi.org/10.1007/978-3-319-33111-9\\_56](https://doi.org/10.1007/978-3-319-33111-9_56)

Koivisto K, Forsman J, Ronkainen M, Lahtinen P, Kolisoja P, Kuula P. 2016. Commercialising reclaimed materials in earthworks – guidelines for productization and the process of appending these materials in the Finnish national code of practice. In Proceedings of the 17th Nordic Geotechnical Meeting Reykjavik Iceland: Challenges in Nordic Geotechnic 25th - 28th of May. Reykjavik: Icelandic Geotechnical Society.

Pyrhönen V-P, Seppälä J, Salmenperä M. 2016. Computer-supported collaborative learning: Praxes in new cell-oriented configurable PC-classroom. In SEFI conference 2016: Engineering Education on Top of the World: Industry University Cooperation.

Davidson P, Merkulova I. 2016. Computer vision aided navigation systems. In 23rd Saint Petersburg International Conference on Integrated Navigation Systems, ICINS 2016 - Proceedings. State Research Center of the Russian Federation. pp. 560-562.

Keinänen M, Uotila U, Sorri J, Teriö O, Kähkönen K. 2016. Consensus building in the pre-design phase of building projects. Prins M, Wamelink H, Giddings B, Ku K, Feenstra M, editors. In WBC16 Proceedings of the CIB World Building Congress 2016 Volume II : Environmental Opportunities and challenges, Constructing commitment and acknowledging human experiences. Tampere University of Technology. Department of Civil Engineering. pp. 561-572. (Tampere University of Technology. Department of Civil Engineering. Construction Management and Economics.).

Rautiainen A, Lummi K, Järventausta P, Tikka V, Lana A. 2016. Control of Electric Vehicle Charging in Domestic Real Estates as Part of Demand Response Functionality. In Cired Workshop 2016.

Mäki A-J, Kontunen A, Rynänen T, Verho J, Kreutzer J, Leikkala J, Kallio P. 2016. Design and simulation of a thermal flow sensor for gravity-driven microfluidic applications. In IEEE 11th Annual International Conference on Nano/Micro Engineered and Molecular Systems (NEMS). IEEE. pp. 125-129. <https://doi.org/10.1109/NEMS.2016.7758214>

Salmisto A, Keinänen M, Kähkönen K. 2016. Development of students' multidisciplinary collaboration skills by simulation of the design process. In Proceedings of the CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities.. pp. 348-360.

Hokka M, Mirow N, Nagel H, Vogt S, Kuokkala V-T. 2016. DIC measurements of the human heart during cardiopulmonary bypass surgery. In Conference Proceedings of the Society for Experimental Mechanics Series. Springer New York LLC. pp. 51-59. [https://doi.org/10.1007/978-3-319-21455-9\\_6](https://doi.org/10.1007/978-3-319-21455-9_6)

Kärkkäinen H, Silventoinen A. 2016. Different approaches of the PLM maturity concept and their use domains –analysis of the state of the art. In Product Lifecycle Management in the Era of Internet of Things: 12th IFIP WG 5.1 International Conference, PLM 2015, Doha, Qatar, October 19-21, 2015, Revised Selected Papers. Springer New York LLC. pp. 89-102. (IFIP Advances in Information and Communication Technology). [https://doi.org/10.1007/978-3-319-33111-9\\_9](https://doi.org/10.1007/978-3-319-33111-9_9)

Pannian JC, Alberucci A, Boardman A, Assanto G. 2016. Diffraction compensation of finite beams in hyperbolic metamaterials. In Laser science 2016. Optical Society of America (OSA).

Narhi M, Wetzel B, Billet C, Merolla J-M, Toenger S, Sylvestre T, Morandotti R, Dias F, Genty G, Dudley JM. 2016. Direct Measurement of Temporal Rogue Waves Generated by Spontaneous Modulation Instability. In *Frontiers in Optics 2016*. Optical Society of America.

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

Niemelä P, Di Flora C, Helevirta M, Isomöttönen V. 2016. Educating future coders with a holistic ICT curriculum and new learning solutions. In *7th International Multi-Conference on Complexity, Informatics and Cybernetics, IMCIC 2016 and 7th International Conference on Society and Information Technologies, ICSIT 2016*. IIS. pp. 132-136.

Viita J, Junnonen J-M. 2016. Empowerment in construction: a qualitative analysis of subcontractors' quality assurance. In *Proceedings of the CIB World Building Congress 2016: Volume II - Environmental Opportunities and Challenges. Constructing Commitment and Acknowledging Human Experiences*. Tampere University of Technology. Department of Civil Engineering. pp. 436-448.

Pyrhönen V-P. 2016. Enhancing old laboratory experiment using flipped learning: Towards self-regulating collaborative groups in blended learning environment. In *SEFI conference 2016: Engineering Education on Top of the World: Industry University Cooperation*.

Holopainen S. 2016. Evolution equations based approach for modeling of fatigue in amorphous glassy polymers. On the investigation of fatigue damage development in polycarbonate. Papadrakakis M, Papadopoulos V, Stefanou G, Plevris V, editors. In *Proc. of VII European Congress on Computational Methods in Applied Sciences and Engineering, ECCOMAS Congress 2016*. : M. Papadrakakis, V. Papadopoulos, G. Stefanou, V. Plevris (eds.) . Crete Island, Greece, 5 – 10 June 2016. pp. 6675-6687. <https://doi.org/10.7712/100016.2289.11047>

Hynynen A. 2016. Extending Professional Fields. Architectural Research and Regional Development. Kähkönen K, Keinänen M, editors. In *Proceedings of the CIB World Building Congress 2016.: Volume I - Creating built environments of new opportunities*. Tampere University of Technology. Department of Civil Engineering. pp. 372-383.

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

Smith J, Kuokkala V-T, Seidt J, Gilat A. 2016. Full-Field Temperature and Strain Measurement in Dynamic Tension Tests on SS 304. In *Dynamic Behavior of Materials, Volume 1: Proceedings of the 2016 Annual Conference on Experimental and Applied Mechanics*. Springer International Publishing. pp. 37-44. (Conference proceedings of the Society for Experimental Mechanics). [https://doi.org/10.1007/978-3-319-41132-3\\_6](https://doi.org/10.1007/978-3-319-41132-3_6)

Pluduma L, Freimanis E, Gross K, Koivuluoto H, Algate K, Haynes D, Vuoristo P. 2016. Functionalizing Surface Electrical Potential of Hydroxyapatite Coatings. In *11th International Conference Medical Applications of Novel Biomaterials and Nanotechnology*. pp. 12-17. (*Advances in Science and Technology*).

Porkka PL. 2016. Functional model for organisational and safety culture. In *Chemical Engineering Transactions*. Italian Association of Chemical Engineering AIDIC. pp. 907-912. (*Chemical Engineering Transactions*). <https://doi.org/10.3303/CET1648152>

Hynynen A. 2016. Future in wood? Timber construction in boosting local development. *European Spatial Research and Policy*. 23(1):127-139. <https://doi.org/10.1515/esrp-2016-0007>

Närhi M, Tengvall M, Toivonen J, Dudley JM, Genty G. 2016. High Dynamic Range Single-Shot Spectral Measurements of Spontaneous Modulation Instability. In *Frontiers in Optics 2016*. Optical Society of America (OSA).



Tukiainen A, Aho A, Polojärvi V, Ahorinta R, Guina M. 2016. High efficiency dilute nitride solar cells: Simulations meet experiments. *Journal of Green Engineering*. 5(3-4):113-132. <https://doi.org/10.13052/jge1904-4720.5348>

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

Matikainen V, Bolelli G, Koivuluoto H, Sassatelli P, Lusvarghi L, Vuoristo P. 2016. High-temperature sliding wear behaviour of thermally sprayed Cr<sub>3</sub>C<sub>2</sub>-based coatings. In *Proceedings of The 17th Nordic Symposium on Tribology - NORDTRIB 2016*.

Sandström N, Hytti V, Nenonen S, Lonka K. 2016. How is it sustainable? Identifying key indicators for sustainable educational design. Gómez Chova L, López Martínez A, Candel Torres I, editors. In *10th INTED 2016 Conference Proceedings: 7-9 March, 2016, Valencia, Spain*. pp. 4217-4219. (INTED proceedings). <https://doi.org/10.21125/inted.2016.2037>

Juuti T, Kopra MJ, Rättyä K, Lehtonen T. 2016. How to benefit from learning logs in engineering education?. In *44th Annual Conference of the European Society for Engineering Education - Engineering Education on Top of the World: Industry-University Cooperation, SEFI 2016*. European Society for Engineering Education SEFI.

Vasell T, Vuolle M, Petrulaitiene V, Nenonen S, Jylhä T. 2016. Identifying and measuring customer value - case multi-locational worker. Nielsen S, Jensen PA, editors. In *Research papers for EuroFM's 15th research symposium at EFMC2016: 8-9 June 2016 in Milan, Italy*. EuroFM. pp. 143-151.

Lahti J, Lavonen J, Lahtinen K, Johansson P, Seppänen T, Cameron DC. 2016. Improved properties for packaging materials by nanoscale surface modification and ALD barrier coating. In *TAPPI International Conference on Nanotechnology for Renewable Materials 2016*. TAPPI Press. pp. 684-706.

Okun O, Kravchenko Y, Korpinen L. 2016. Influence of environmental conditions on EMF levels in a span of overhead transmission lines. *Progress in Electromagnetics Research C*. 63:163-171. <https://doi.org/10.2528/PIERC16021106>

Katko TS, Hukka JJ. 2016. Institutional development is the key for sustainable water services in the built environment. Nenonen S, Junnonen J-M, editors. In *Proceedings of the CIB World Building Congress 2016: Volume IV - Understanding impacts and functioning of different solutions*. Tampere: Tampere University of Technology. Department of Civil Engineering. pp. 419-430.

Hukka JJ, Nyanchaga EN, Katko TS. 2016. Integrated urban water management, the green economy and institutional eco-innovations. Saari A, Huovinen P, editors. In *Proceedings of the CIB World Building Congress 2016: Volume III - Building up business operations and their logic. Shaping materials and technologies*. Tampere: Tampere University of Technology. Department of Civil Engineering. pp. 260-271.

Aalto T, Harjanne M, Offrein BJ, Caër C, Neumeyr C, Malacarne A, Guina M, Sheehan RN, Peters FH, Melanen P. 2016. Integrating III-V, Si, and polymer waveguides for optical interconnects: RAPIDO. In *Optical Interconnects XVI*. SPIE. (Proceedings of SPIE). <https://doi.org/10.1117/12.2214786>

Rundgren A, Joutsenlahti J, Mäkinen J. 2016. Is languaging experienced to improve understanding of structural mechanics?. In *44th SEFI 2016 Annual Conference: 12-15 September 2016 in Tampere, Finland*.

Lehtonen T, Juuti T, Vanhatalo M, Kopra MJ, Rättyä K. 2016. Leadership instead of grading - The new goals of assessment. In *44th Annual Conference of the European Society for Engineering Education - Engineering Education on Top of the World: Industry-University Cooperation, SEFI 2016*. European Society for Engineering Education SEFI.

- Olsson T, Väättäjä H, Ihamäki H, Jaana O, Länsisalo M, Veera U, Lehto-Lunden T. 2016. Lean Software Design, Lean Education? Lessons from a Collaborative University-Industry Seminar. In SEFI'16 - 44th Annual Conference of the European Society for Engineering Education. European Society for Engineering Education SEFI.
- Takala A. 2016. Learning for sustainable water and sanitation services. Mazijn B, editor. In Proceedings of the 8th International Conference on Engineering Education for Sustainable Development (Bruges, 4-7 September 2016) : Building a circular economy together. Brugge: Instituut vóór Duu rzame Ontwikkeling vzw. pp. 250-258.
- Laudyn UA, Kwaśny M, Jung PS, Trippenbach M, Assanto G, Karpierz MA. 2016. Linear and nonlinear light beam propagation in chiral nematic liquid crystal waveguides. *Photonics Letters of Poland*. 8(1):11-13. <https://doi.org/10.4302/plp.2016.1.05>
- Heikkilä J, Jääskeläinen A, Thitz O. 2016. Long-term effects of purchasing: fact or fiction?. In Proceedings of 25th IPSERA 2016 conference, 20-23.3.2016, Dortmund, Germany. . International Purchasing and Supply Education and Research Association IPSERA.
- Lappalainen K, Valkealahti S. 2016. Mathematical Parametrisation of Irradiance Transitions Caused by Moving Clouds for PV System Analysis. In 32nd European Photovoltaic Solar Energy Conference and Exhibition (32nd EU PVSEC), 20–24 June, 2016, Munich, Germany . pp. 1485-1489. <https://doi.org/10.4229/EUPVSEC20162016-5AO.8.4>
- Mutanen A, Niska H, Järventausta P. 2016. Mining smart meter data - Case Finland. In CIRED Workshop 2016. Institution of Engineering and Technology. <https://doi.org/10.1049/cp.2016.0776>
- Teriö O, Hämäläinen J, Uotila U, Sorri J, Saari A. 2016. Moisture and building processes in Finland. Kähkönen K, Keinänen M, editors. In Proceedings of the 20th CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities. (Tampere University of Technology. Department of Civil Engineering. Construction Management and Economics. Report; Vol. 18).. Tampere: Tampere University of Technology. Department of Civil Engineering. pp. 907-917.
- Rasilo P, Aydin U, Singh D, Martin F, Kouhia R, Belahcen A, Arkkio A. 2016. Multiaxial magneto-mechanical modelling of electrical machines with hysteresis. In Proceedings of the 8th IET International Conference on Power Electronics, Machines and Drives, PEMD 2016. IET, The Institution of Engineering and Technology. <https://doi.org/10.1049/cp.2016.0183>
- Yli-Kaakinen J, Renfors M, Tuomivaara H. 2016. Multicarrier modulation for HF communications. In 2016 International Conference on Military Communications and Information Systems (ICMCIS) . IEEE. <https://doi.org/10.1109/ICMCIS.2016.7496542>
- Lahti J. 2016. Nanoscale barrier coating on BOPP packaging film by ALD. In TAPPI PLACE Conference 2016: Exploring New Frontiers. TAPPI Press. pp. 493-505.
- Behailu BM, Mattila H. 2016. Need of Services and Understanding of Service Providers in Water and Sanitation: A Case of Ethiopia. Nenonen S, Junnonen J-M, editors. In Proceedings of the CIB World Building Congress 2016 Volume IV: Understanding impacts and functioning of different solutions. Tampere University of Technology. pp. 431-440.
- Kurki V. 2016. Negotiating water governance: towards cooperation in contentious groundwater recharge projects. In Proceedings of the CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities. Tampere University of Technology. Department of Civil Engineering. pp. 91-102.
- Virtanen J-P, Hyypä H, Stähle P, Kalliokoski S, Kähkönen KE, Ahlavuo M, Launonen P, Hyypä J, Kukko A, Julin A. 2016. New value chains to construction: advancing products and services. Achour N, editor. In Proceedings of the 20th CIB World Building Congress 2016: Advancing products and services. Tampere University of Technology. Department of Civil Engineering. pp. 954-965.

Alberucci A, Piccardi A, Kravets N, Buchnev O, Pannian JC, Assanto G. 2016. Nonperturbative nonlinear optics in liquid crystals. In *Laser science 2016*. Optical Society of America (OSA).

Humaloja J-P, Hämäläinen T, Pohjolainen S. 2016. On Detecting the Shape of an Unknown Object in an Electric Field. Russo G, Capasso V, Nicosia G, Romano V, editors. In *Progress in Industrial Mathematics at ECMI 2014*. Springer International Publishing. (Mathematics in Industry). <https://doi.org/10.1007/978-3-319-23413-7>

Harmanen J, Mikkonen T. 2016. On Polyglot Programming in the Web. In *Modern Software Engineering Methodologies for Mobile and Cloud Environments*. IGI Global. pp. 102-119. <https://doi.org/10.4018/978-1-4666-9916-8.ch006>

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

Kostiainen E, Nenonen S. 2016. Perspective of Social Usability in the Change Processes of an Academic Workplace. In *Proceedings of the CIB World Building Congress 2016: Volume II - Environmental Opportunities and Challenges. Constructing Commitment and Acknowledging Human Experiences*. Tampere University of Technology. Department of Civil Engineering. pp. 688-701.

Pohjola J, Turunen J, Lipping T, Ikonen ATK. 2016. Probabilistic Framework for Modelling the Evolution of Geomorphic Features in 10,000-Year Time Scale: The Eurajoki River Case. In *Geospatial Data in a Changing World: Selected papers of the 19th AGILE Conference on Geographic Information Science*. Springer Verlag. pp. 369-382. (Lecture Notes in Geoinformation and Cartography). <https://doi.org/10.1007/978-3-319-33783-8>

Jaakkola H, Thalheim B, Kiyoki Y, Yoshida N, ed. 2016. *Proceedings of the 26th International Conference on Information Modelling and Knowledge Bases - EJC 2016: June 6-10, 2016, Tampere, Finland*. . Tampere: Tampere University of Technology. (Tampere University of Technology, Pori Department Publications).

Virtanen T, Mesaros A, Heittola T, Plumbley MD, Foster P, Benetos E, Lagrange M, ed. 2016. *Proceedings of the Detection and Classification of Acoustic Scenes and Events 2016 Workshop (DCASE2016)*. Tampere University of Technology. Department of Signal Processing. 119 p.

Markkula J, Vilppo O, Järventausta P, Hakala T, Lähdeaho T. 2016. Profitability of different li-ion batteries as back-up power in LVDC distribution network. In *CIREN Workshop 2016*. <https://doi.org/10.1049/cp.2016.0787>

Startceva S, Chandraseelan JG, Visa A, Ribeiro AS. 2016. Quantitative Estimation of Long-living Fluorescent Molecules from Temporal Fluorescence Intensity Data Corrupted by Nonzero-mean Noise. In *BIOSIGNALS 2016 - 9th International Conference on Bio-Inspired Systems and Signal Processing, Proceedings; Part of 9th International Joint Conference on Biomedical Engineering Systems and Technologies, BIOSTEC 2016*. SCITEPRESS. pp. 17-24.

Narhi M, Wetzel B, Billet C, Merolla J-M, Toenger S, Sylvestre T, Morandotti R, Genty G, Dias F, Dudley JM. 2016. Real Time Measurements of Temporal Rogue Waves and Spontaneous Modulation Instability in Optical Fiber. In *CLEO: QELS\_Fundamental Science 2016*. Optical Society of America. [https://doi.org/10.1364/CLEO\\_QELS.2016.FF2A.7](https://doi.org/10.1364/CLEO_QELS.2016.FF2A.7)

Jaakkola H, Thalheim B. 2016. Recognising the culture context in information search. Jaakkola H, Thalheim B, Kiyoki Y, Yoshida N, editors. In *Proceedings of the 26th International Conference on Information Modelling and Knowledge Bases - EJC 2016*. : June 6-10, 2016, Tampere, Finland. . Tampere: Tampere University of Technology Pori Department. pp. 167-185. (Tampere University of Technology Pori Department Publications; 18).

Köliö A, Lahdensivu J, Pentti M. 2016. Reinforcement Corrosion Modelling in Renovation Strategy for Concrete Facades. In *Proceedings of the CIB World Building Congress 2016: Volume III - Building Up Business Operations and Their Logic. Shaping Materials and Technologies*. Tampere University of Technology. Department of Civil Engineering. pp. 199-211.

Salmisto A, Postareff L, Nokelainen P. 2016. Relations between civil engineering students' approaches to learning, perceptions of the development of professional skills and perceived workload. In *44th Annual Conference of the European Society for Engineering Education SEFI2016: Proceedings: 12-15 September 2016, Tampere, Finland*.

- Bragadin MA, Kähkönen K. 2016. Resource – Space Charts for Construction Workspace Scheduling. In Proceedings of the CIB World Building Congress 2016: Volume III - Building Up Business Operations and Their Logic. Shaping Materials and Technologies. Tampere University of Technology. Department of Civil Engineering. pp. 677-688.
- Kumpulainen L, Kauhaniemi K, Repo S, Valkealahti S, Honkapuro S, Partanen J, Koivisto-Rasmussen R, Järventausta P. 2016. Roadmap towards the vision of the future power system and electricity market. In CIREC Workshop 2016. Institution of Engineering and Technology. <https://doi.org/10.1049/cp.2016.0690>
- Naaranoja M, Kähkönen K, Keinänen M. 2016. Role of Power and Sense Making in the Briefing of a Small Renovation Project. In Proceedings of the CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities. Tampere University of Technology. Department of Civil Engineering. pp. 611-621.
- Pietilä P, Arvonen V, Katko T. 2016. Role of Water Cooperatives in Water Service Production - Lessons from Finland and Denmark. Achour N, editor. In Proceedings of the 20th CIB World Building Congress 2016: May 30 – June 3, 2016 Tampere Finland. Tampere University of Technology. pp. 1152-1161.
- Saarnisaari H, Hovinen V, Tuomivaara H, Yli-Kaakinen J. 2016. Short range HF radio channel measurements: Search for one path channels. In 2016 International Conference on Military Communications and Information Systems (ICMCIS) . <https://doi.org/10.1109/ICMCIS.2016.7496559>
- Frantc VA, Makov SV, Voronin VV, Marchuk VI, Semenishchev EA, Egiazarian KO, Agaian S. 2016. Simultaneous binary hash and features learning for image retrieval. In Mobile Multimedia/Image Processing, Security, and Applications 2016. SPIE. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2223605>
- Ryczkowski P, Barbier M, Friberg AT, Dudley JM, Genty G. 2016. Single Shot Time Domain Ghost Imaging using Wavelength Multiplexing. In Frontiers in Optics 2016. Optical Society of America (OSA). <https://doi.org/10.1364/FIO.2016.FTh5C.6>
- Hakkarainen T, Tommila J, Schramm A, Simonen J, Niemi T, Strelow C, Kipp T, Kontio J, Guina M. 2016. Site-controlled InAs Quantum Dots for Plasmonics. In Conference on Lasers and Electro-Optics 2016: QELS\_Fundamental Science. OSA - The Optical Society. [https://doi.org/10.1364/CLEO\\_QELS.2016.FM1B.3](https://doi.org/10.1364/CLEO_QELS.2016.FM1B.3)
- Adavanne S, Parascandolo G, Pertilä P, Heittola T, Virtanen T. 2016. Sound Event Detection in Multichannel Audio Using Spatial and Harmonic Features. In Proceedings of the Detection and Classification of Acoustic Scenes and Events 2016 Workshop (DCASE2016). Tampere University of Technology. Department of Signal Processing. pp. 6-10.
- Airo K, Vaara L, Nenonen S. 2016. Spatial borders and affordances of a temporary school building – Enhancing the school engagement and learning experience. In Proceedings of the CIB World Building Congress 2016: Volume II - Environmental Opportunities and Challenges. Constructing Commitment and Acknowledging Human Experiences. Tampere University of Technology. Department of Civil Engineering. pp. 715-725.
- Mäkelä A-M, Ali-Löytty S, Humaloja J-P, Joutsenlahti J, Kauhanen J, Kaarakka T. 2016. STACK assignments in university mathematics education. In Proceedings of the 44th SEFI Conference, 12 - 15 September 2016, Tampere, Finland. European Society for Engineering Education SEFI.
- Garifullin MR, Barabash AV, Naumova EA, Zhuvak OV, Jokinen T, Heinisuo M. 2016. Surrogate modeling for initial rotational stiffness of welded tubular joints. Magazine of Civil Engineering. 63(3):53-76. <https://doi.org/10.5862/MCE.63.4>
- Rantanen P, Sillberg P, Soini J, Jaakkola H. 2016. Tag suggestions from social media profiles. Jaakkola H, Thalheim B, Kiyoki Y, Yoshida N, editors. In Proceedings of the 26th International Conference on Information Modelling and Knowledge Bases - EJC 2016. : June 6-10, 2016, Tampere, Finland. . Tampere: Tampere University of Technology. pp. 387-394. (Tampere University of Technology Pori Department Publications).

Hosseini SSS, Jamali MM, Astola J, Gorsevski PV. 2016. Target tracking via combination of particle filter and optimisation techniques. *International Journal of Mathematical Modelling and Numerical Optimization*. 7(2):212-229. <https://doi.org/10.1504/IJMMNO.2016.077068>

Jääskeläinen A, Thitz O, Heikkilä J. 2016. The role of the purchasing function in non-financial value creation. In 25th Proceedings of IPSERA 2016 conference, : 20-23.3.2016, Dortmund, Germany..

Huhtelin M, Nenonen S. 2016. The Workplace for Researchers – Enhancing Concentration and Face-to-face Interaction. In Proceedings of the CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities. Tampere University of Technology. Department of Civil Engineering. pp. 753-764.

Petrolaitiene V, Rytönen E, Nenonen S. 2016. Towards responsive workspaces - identification of service paths for time- and-place independent work. Achour N, editor. In Proceedings of the 20th CIB World Building Congress 2016: May 30 – June 3, 2016 Tampere Finland. Tampere University of Technology. pp. 1141-1151.

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

Turquet L, Kauranen M, Bautista G. 2016. Use of high-order beams to calibrate spatial light modulators for microscopy.

Ilomets S, Kalamees T, Lahdensivu J. 2016. Validation of the method to evaluate the corrosion propagation stage by hygrothermal simulation. In CESB 2016 - Central Europe Towards Sustainable Building 2016: Innovations for Sustainable Future. Czech Technical University in Prague. pp. 1113-1120.

Leivo V, Aaltonen A, Turunen M, Du L, Kiviste M, Haverinen-Shaughnessy U. 2016. Ventilation rates and CO2-levels before and after energy retrofit in Finnish apartment buildings. Kvols Heiselberg P, editor. In CLIMA 2016 - Proceedings of the 12th REHVA World Congress. Aalborg. Aalborg University. Department of Civil Engineering. : Volume 1. Building Retrofit. Aalborg: Aalborg university, Department of Civil Engineering.

Nyuppieva E, Laine T, Lyly-Yrjänäinen J. 2016. Visual narratives in the value chain of new management accounting knowledge. In 10th Conference On New Directions In Management Accounting: Brussels, Belgium, December 14-16, 2016.

Müller P, Raitoharju M, Ali-Löytty S, Wirola L, Piche R. 2016. Обзор параметрических методов позиционирования на основе концепции отпечатка пальца. *Giroskopiya I Navigatsiya*. 24(1):3-35. <https://doi.org/10.17285/0869-7035.2016.24.1.003-035>

Tappura S, Hyytinen T, Kivistö-Rahnasto J, Nenonen N, Vasara J 2015. Turvallisuuden johtajat - Esimiesten johtajuus, osaaminen ja sitoutuminen. Tampere: Tampereen teknillinen yliopisto; Tampereen yliopisto. 144 p.

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

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

Kozhemiakina N, Lukin V, Ponomarenko N, Akulyanchev A, Astola J, Egiazarian K. 2015. Method of data compression for traffic monitoring. In 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings. IEEE. pp. 153-156.

<https://doi.org/10.1109/INFOCOMMST.2015.7357299>

Seppänen M, Dedeheyir O, Still K, Valkokari K, Suominen A. 2015. Platform Competences to Enhance Network Effects in Business Ecosystems. In 2015 ISPIM Innovation Summit in Brisbane, Australia - 6-9 December 2015. International Society for Professional Innovation Management ISPIM.

Kuuliala L, Pippuri T, Hultman J, Auvinen S-M, Kolppo K, Nieminen T, Karp M, Björkroth J, Kuusipalo J, Jääskeläinen E. 2015. Preparation and antimicrobial characterization of silver-containing packaging materials for meat. *Food Packaging and Shelf Life*. 6:53-60. <https://doi.org/10.1016/j.fpsl.2015.09.004>

Bartsch H, Himmerlich M, Fischer M, Demko L, Hyttinen J, Schober A. 2015. LTCC-Based Multi-Electrode Arrays for 3D in Vitro Cell Cultures. *Journal of Ceramic Science and Technology*. 6(4):315-324. <https://doi.org/10.4416/JCST2015-00056>

Karjalainen P, Timonen H, Saukko E, Kuuluvainen H, Saarikoski S, Aakko-Saksa P, Murtonen T, Dal Maso M, Ahlberg E, Svenningsson B, Brune WH, Hillamo R, Keskinen J, Rönkkö T. 2015. Time-resolved characterization of primary and secondary particle emissions of a modern gasoline passenger car. *Atmospheric Chemistry and Physics Discussions*. 15(22):33253-33282. <https://doi.org/10.5194/acpd-15-33253-2015>