

Dongho-Nguimdo, G. M. ; Igumbor, Emmanuel ; Zambou, Serges ; Joubert, Daniel P. / **First principles prediction of the solar cell efficiency of chalcopyrite materials AgMX_2 ($M=\text{In, Al}$; $X=\text{S, Se, Te}$)**. In: Computational Condensed Matter. 2019 ; Vol. 21.

He, Han ; Chen, Xiaochen ; Ukkonen, Leena ; Virkki, Johanna. / **Clothing-Integrated Passive RFID Strain Sensor Platform for Body Movement-Based Controlling**. 2019 IEEE International Conference on RFID Technology and Applications (RFID-TA). IEEE, 2019. pp. 236-239

Ahmed, Shahbaz ; Mehmood, Adnan ; Sydänheimo, Lauri ; Ukkonen, Leena ; Björninen, Toni. / **Glove-Integrated Textile Antenna with Reduced SAR for Wearable UHF RFID Reader**. 2019 IEEE International Conference on RFID Technology and Applications (RFID-TA). IEEE, 2019. pp. 231-235

Viheriälä, Jukka ; Aho, Antti T. ; Virtanen, Heikki ; Reuna, Jarno ; Lyytikäinen, Jari ; Guina, Mircea. / **High Peak Power Laser Diodes for Eye Safe LIDAR with Integrated Wavelength Locking Element**. 2019 Conference on Lasers and Electro-Optics Europe European Quantum Electronics Conference (CLEO/Europe-EQEC). IEEE, 2019.

Kanerva, M. ; Besharat, Z. ; Pärnänen, T. ; Jokinen, J. ; Honkanen, M. ; Sarlin, E. ; Göthelid, M. ; Schlenzka, D. / **Automatization and stress analysis data of CoCr laser weld fatigue tests**. In: Data in Brief. 2019 ; Vol. 26.

Allahham, MHD Saria ; Al-Sa'd, Mohammad F. ; Al-Ali, Abdulla ; Mohamed, Amr ; Khattab, Tamer ; Erbad, Aiman. / **DroneRF dataset : A dataset of drones for RF-based detection, classification and identification**. In: Data in Brief. 2019 ; Vol. 26.

Wu, Longkai ; Looi, Chee Kit ; Multisilta, Jari ; How, Meng Leong ; Choi, Hyungshin ; Hsu, Ting Chia ; Tuomi, Pauliina. / **Teacher's Perceptions and Readiness to Teach Coding Skills : A Comparative Study Between Finland, Mainland China, Singapore, Taiwan, and South Korea**. In: Asia-Pacific Education Researcher. 2019.

Sandström, N. ; Nevgi, A. ; Nenonen, S. / **Participatory service design and community involvement in designing future-ready sustainable learning landscapes**. SBE 19 - Emerging Concepts for Sustainable Built Environment 22–24 May 2019, Helsinki, Finland. IOP Publishing, 2019. (IOP Conference Series: Earth and Environmental Science).

Ma, Shubin ; Pournoori, Nikta ; Sydänheimo, Lauri ; Ukkonen, Leena ; Björninen, Toni ; Georgiadis, Apostolos. / **A Batteryless Semi-Passive RFID Sensor Platform**. 2019 IEEE International Conference on RFID Technology and Applications (RFID-TA). IEEE, 2019. pp. 171-173

Merilampi, Sari ; Ihanakangas, Venni ; Virkki, Johanna. / **User-driven development with scientific applied research - RFID-controlled physiogame case study**. 2019 IEEE International Conference on RFID Technology and Applications (RFID-TA). IEEE, 2019. pp. 167-170

Vuori, Vilma ; Bor, Sanne ; Polsa, Pia ; Käpylä, Jonna ; Helander, Nina. / **Discovering collaborative and inclusive solutions to co-create multidimensional value in cross-sector collaboration**. Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management: 17-19 September, 2019, Vienna, Austria. SCITEPRESS, 2019. pp. 364-369 (IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management).

Solodko, Anastasiya ; Mäkinen, Saku ; Lasheras, Nuria Catalan ; Bedolla, Joel Sauza ; Saari, Ulla. / **Research-industry collaboration: a review of the literature on evaluation methods and motivations**. PICMET 2019 Conference: August 25-29, 2019, Portland, Oregon, USA. Portland, 2019.

Silverajan, Bilhanan ; Vistiäho, Petteri. / **Enabling cybersecurity incident reporting and coordinated handling for maritime sector**. 2019 14th Asia Joint Conference on Information Security, AsiaJCIS 2019. IEEE, 2019. pp. 88-95

Yang, Dan ; Qian, Yanlin ; Cai, Dingding ; Yan, Song ; Kämäräinen, Joni-Kristian ; Chen, Ke. / **Visibility-Aware Part Coding for Vehicle Viewing Angle Estimation**. 9th International Conference on Information Science and Technology, ICIST 2019. IEEE, 2019. pp. 65-70

Mishra, Krishna ; Krogerus, Tomi ; Huhtala, Kalevi. / **Profile extraction and deep autoencoder feature extraction for elevator fault detection**. 16th International Conference on Signal Processing and Multimedia Applications: SIGMAP 2019, 26-28 July, 2019, Prague, Czech Republic. editor / Christian Callegari. Vol. 16 2019. ed. Prague, Czech Republic : SCITEPRESS, 2019. pp. 313-320

Juuti, Tero ; Pakkanen, Jarkko ; Lehtonen, Timo. / **Empirical study of good, bad and ugly modular engineering solutions in machinery manufacturing industry**. 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, 2019. pp. 2981-2990 (Proceedings of the Design Society: International Conference on Engineering Design).

Martinsuo, Miia ; Vuorinen, Lauri. / **Actors' agency in the routines of innovation project portfolio management**. Proceedings of the EURAM European Academy of Management Conference 2019: 26-28 June 2019, Lisbon, Portugal. European Academy of Management, EURAM, 2019. (EURAM conference).

Ellman, Asko ; Tiainen, Tarja. / **Diffusion of innovation : Case of co-design of cabins in mobile work machine industry**. In: Computers. 2019 ; Vol. 8, No. 2.

Vuori, Vilma ; Helander, Nina. / **Knowledge management practices to overcome network-level knowledge barriers: an artificial intelligence powered literature review**. Proceedings of International Forum on Knowledge Asset Dynamics 2019: 5-7 June 2019, Matera, Italy. 2019. (IFKAD Proceedings eBooks).

Hajikazemi, Sara ; Ahola, Tuomas ; Aaltonen, Kirsi ; Aarseth, Wenche ; Andersen, Bjorn. / **Normalization of deviance in the construction industry, a managerial perspective**. European Academy of Management Conference 2019, EURAM: 26-28 June, Lissabon, Portugal. 2019. (European academy of management annual conference).

Ahola, Tuomas ; Martinsuo, Miia. / **The circular economy of projects**. European Academy of Management Conference EURAM 2019: 26-28 June, Lisbon, Portugal. 2019. (European academy of management annual conference).

Kahle, Hermann ; Phung, Hoy-My ; Penttinen, Jussi-Pekka ; Rajala, Patrik ; Tukiainen, Antti ; Ranta, Sanna ; Guina, Mircea. / **Double-side pumped membrane external-cavity surface-emitting laser (MECSEL) with increased efficiency emitting > 3 W in the 780 nm region**. 2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE, 2019.

Abdallah, Zeina ; Stefszky, Michael ; Ulvila, Ville ; Silberhorn, Christine ; Vainio, Markku. / **Frequency Comb Generation in a Continuous-Wave Pumped Second-Order Nonlinear Waveguide Resonator**. 2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE, 2019.

Saad-Bin-Alam, Md ; Reshef, Orad ; Huttunen, Mikko J. ; Carlow, Graham ; Sullivan, Brian ; Menard, Jean Michel ; Dolgaleva, Ksenia ; Boyd, Robert W. / **High-Q resonance train in a plasmonic metasurface**. 2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE, 2019.

Sadiek, Ibrahim ; Mikkonen, Tommi ; Vainio, Markku ; Toivonen, Juha ; Foltynowicz, Aleksandra. / **Optical Frequency Comb Photoacoustic Spectroscopy**. 2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE, 2019.

Silverajan, B. ; Zhao, Hanning ; Kamath, Arjun. / **A Semantic Meta-Model Repository for Lightweight M2M**. 2018 IEEE International Conference on Communication Systems, ICCS 2018. IEEE, 2019. pp. 468-472

Leivo, Virpi ; Sarlin, Essi ; Suonketo, Jommi ; Pikkuvirta, Jussa ; Pentti, Matti. / **Muovipäälysteisten lattioiden vaurioituminen kosteuden vaikutuksesta**. Sisäilmastoseminaari 2019: 14.3.2019 : Sisäilmayhdistys raportti 37. SIY SISÄILMATIETO OY, 2019. pp. 383-388 (SIY Raportti; 37).

Rissanen, Joonas ; Fedotov, Andrei ; Noronen, Teppo ; Gumenyuk, Regina ; Chamorovskii, Yuri ; Kolosovskii, Alexander ; Voloshin, Victor ; Vorobev, Igor ; Odnoblyudov, Maxim ; Filippov, Valery. / **Large mode area double clad ytterbium tapered fiber with circular birefringency**. Proceedings of SPIE : Fiber Lasers XVI: Technology and Systems. editor / Adrian L. Carter ; Liang Dong. SPIE-INT SOC OPTICAL ENGINEERING, 2019. (Proceedings of SPIE).

Fedotov, Andrei ; Pominova, Daria ; Orlovskaya, Elena ; Orlovskii, Yurii ; Niemi, Tapio ; Gumenyuk, Regina. / **Analysis of upconversion nanoparticles as an active medium for upconversion light sources**. Proceedings of SPIE: Optical Components and Materials XVI. Vol. 10914 S P I E - International Society for Optical Engineering, 2019. (Proceedings of SPIE : the International Society for Optical Engineering).

Messo, Tuomas ; Roinila, Tomi ; Aapro, Aapo ; Luhtala, Roni. / **Accurate impedance model of grid-connected inverter for small-signal stability assessment in high-impedance grid**. In: IEEJ JOURNAL OF INDUSTRY APPLICATIONS. 2019 ; Vol. 8, No. 3.

Juuti, Petri ; Katko, Tapio S. ; Rajala, Riikka. / **Vesihuollon haasteet Suomessa : – saneerausvelka ja tutkimusresurssien puute ongelma**. In: Vesitalous. 2019 ; Vol. 60, No. 1. pp. 58-61.

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

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

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

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

Jääskeläinen, Aki ; Sillanpää, Virpi ; Helander, Nina. / **A model for profiling information and knowledge management in the public sector**. Proceedings of 14th IFKAD 2019 conference: Matera, Italy, 5-7 June. . 2019. (Proceedings IFKAD).

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

Hellsten, Pasi ; Myllärniemi, Jussi. / **Business intelligence process model revisited**. IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management. editor / Jorge Bernardino ; Ana Salgado ; Joaquim Filipe. SCITEPRESS, 2019. pp. 341-348 (IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management).

Myllärniemi, Jussi ; Helander, Nina ; Pekkola, Samuli. / **Challenges in developing data-based value creation**. IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management. editor / Jorge Bernardino ; Ana Salgado ; Joaquim Filipe. SCITEPRESS, 2019. pp. 370-376 (IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management).

Jussila, Jari ; Kukkamäki, Joni ; Helander, Nina. / **Co-creating digital services for citizens : Activity theory analysis**. IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management. editor / Jorge Bernardino ; Ana Salgado ; Joaquim Filipe. SCITEPRESS, 2019. pp. 285-290 (IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management).

Tiitola, Vesa ; Korhonen, Tuomas ; Laine, Teemu ; Lyly-Yrjänäinen, Jouni. / **Dynamics of value in technology inspired value co-creation: Case in homecare value network**. 14th IFKAD 2019 Proceedings: 5-7 June 2019, Matera, Italy. IKAM Centro Studi & Ricerche, 2019. (PROCEEDINGS IFKAD).

Sharifzadeh, Sara ; Tata, Jagati ; Tan, Bo. / **Farm detection based on deep convolutional neural nets and semi-supervised green texture detection using VIS-NIR satellite image**. DATA 2019 - Proceedings of the 8th International Conference on Data Science, Technology and Applications. editor / Slimane Hammoudi ; Christoph Quix ; Jorge Bernardino. SCITEPRESS, 2019. pp. 100-108

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

Almeida, Bilena ; Chauhan, Vatsala ; Kandavalli, Vinodh ; Ribeiro, Andre. / **Mean and variability in RNA polymerase numbers are correlated to the mean but not the variability in size and composition of Escherichia coli cells**. 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. editor / Elisabetta De Maria ; Hugo Gamboa ; Ana Fred. SCITEPRESS, 2019. pp. 226-233

Kahle, Hermann ; Penttinen, Jussi Pekka ; Phung, Hoy My ; Rajala, Patrik ; Tukiainen, Antti ; Ranta, Sanna ; Guina, Mircea. / **MECSELS with direct emission in the 760 nm to 810 nm spectral range : A single- and double-side pumping comparison and high-power continuous-wave operation**. Vertical External Cavity Surface Emitting Lasers (VECSELS) IX. editor / Ursula Keller. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Pajunen, S. ; Hautala, J. ; Heinisuo, M. / **Modelling the stressed skin effect by using shell elements with meta-material model**. In: Magazine of Civil Engineering. 2019 ; Vol. 86, No. 2. pp. 20-29.

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

Piccardi, Armando ; Perumbilavil, Sreekanth ; Kauranen, Martti ; Strangi, Giuseppe ; Assanto, Gaetano. / **Random lasing control with optical spatial solitons in nematic liquid crystals**. PHOTOPTICS 2019 - Proceedings of the 7th International Conference on Photonics, Optics and Laser Technology. editor / Paulo Ribeiro ; Maria Raposo ; David Andrews. SCITEPRESS, 2019. pp. 289-293

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

Gupta, Jayesh ; Kärkkäinen, Hannu ; Torro, Osku ; Mukkamala, Raghava Rao. / **Revisiting Social Media Tie Strength in the Era of Data Access Restrictions**. Proceedings of the 11th International Conference on Knowledge Management and Information Systems (KMIS 2019). SCITEPRESS, 2019. pp. 187-194

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

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

Garifullin, Marsel. / **Experimental moment resistance of rectangular hollow section T joints**. In: MATEC Web of Conferences. 2018 ; Vol. 245.

Riipinen, Tuomas ; Kujanpää, Veli ; Komi, Erin ; Kilpeläinen, Pekka ; Savolainen, Mikko ; Puukko, Pasi ; Vihinen, Jorma ; Coatanea, Eric ; Mokhtarian, Hossein. / **Industrialization of hybrid and additive manufacturing-Implementation to Finnish industry (HYBRAM)**. VTT Technical Research Centre of Finland, 2018. 66 p. (Research Reports).

Chetan Kumar, V. ; Shiva Prakash, S. P. ; Balandin, Sergey. / **Performance Enhancement Of Optimized Link State Routing Protocol For Health Care Applications In Wireless Body Area Networks**. 2018 23rd Conference of Open Innovations Association (FRUCT). IEEE, 2018. pp. 195-203

Kekonen, Atte ; Bergelin, Mikael ; Viik, Jari. / **Tutkimuskatsaus: Uusia menetelmiä haavan paranemisen arviointiin ja seurantaan**. In: HAAVA. 2018 ; Vol. 20, No. 3. pp. 30-32.

Kirjavainen, Johanna ; Mäkinen, Saku ; Sommarberg, Matti. / **The Effects of Product Line Length on Firm Performance**. 2018 Portland International Conference on Management of Engineering and Technology (PICMET). IEEE, 2018.

Majuri, Matti ; Lanz, Minna. / **Social capital characteristics in RD project networks**. 2018 Portland International Conference on Management of Engineering and Technology (PICMET). IEEE, 2018.

Sommarberg, Matti ; Mäkinen, Saku. / **Technopreneurial Characteristics Rising from the Ashes of Creative Destruction**. Proceedings in 2018 Portland International Conference in Management and Engineering (PICMET): (PICMET) 19-23 August 2018. IEEE, 2018. pp. 1-10

Monakhov, Dmitrii ; Naik, Deepa ; Curcio, Igor D. D. ; Toukoma, Henri. / **Analysis of User Exploration Patterns during Scene Cuts in Omnidirectional Videos**. SMPTE 2018. SMPTE, 2018.

Kekonen, Atte ; Bergelin, Mikael ; Eriksson, Jan-Erik ; Vesa, Mikko ; Johansson, Max ; Viik, Jari. / **Long-term monitoring of acute wound healing from beneath the primary wound dressings**. 2018 16th Biennial Baltic Electronics Conference (BEC). IEEE, 2018.

Ahmed, Shahbaz ; Musfequr Rehman, S. M. ; Ukkonen, Leena ; Björninen, Toni. / **Glove-integrated slotted patch antenna for wearable UHF RFID reader**. 2018 IEEE International Conference on RFID Technology & Application (RFID-TA). IEEE, 2018.

Qureshi, Shoaib ; Björninen, Toni ; Virkki, Johanna. / **Referenced backscattering compression level indicator based on passive UHF RFID tags**. 2018 IEEE International Conference on RFID Technology & Application (RFID-TA). IEEE, 2018.

Pournoori, Nikta ; Khan, Waqas ; Ukkonen, Leena ; Björninen, Toni. / **RF energy harvesting system with RFID-enabled charge storage monitoring**. 2018 IEEE International Conference on RFID Technology & Application (RFID-TA). IEEE, 2018.

Ortombina, L. ; Liegmann, E. ; Karamanakos, P. ; Tinazzi, F. ; Zigliotto, M. ; Kennel, R. / **Constrained Long-Horizon Direct Model Predictive Control for Synchronous Reluctance Motor Drives**. 2018 IEEE 19th Workshop on Control and Modeling for Power Electronics, COMPEL 2018. IEEE, 2018.

Schwarz, Sebastian ; Hannuksela, Miska M. ; Fakour-Sevom, Vida ; Sheikhi-Pour, Nahid. / **2D Video Coding of Volumetric Video Data**. 2018 Picture Coding Symposium, PCS 2018 - Proceedings. IEEE, 2018. pp. 61-65

Us, Defne ; Brzezinski, Karol ; Buitenhuis, Tom ; Dendooven, Peter ; Ruotsalainen, Ulla. / **Evaluation of Median Root Prior for Robust In-Beam PET Reconstruction**. In: IEEE Transactions on Radiation and Plasma Medical Sciences. 2018 ; Vol. 2, No. 5. pp. 490-498.

Taivalsaari, Antero ; Mikkonen, Tommi ; Systä, Kari ; Pautasso, Cesare. / **Web User Interface Implementation Technologies: An Underview**. 14th International Conference on Web Information Systems and Technologies. SCITEPRESS, 2018. pp. 127-136

Chen, X. ; He, H. ; Ukkonen, L. ; Virkki, J. ; Xu, J. ; Wang, T. ; Cheng, L. / **Fabrication and Practical Evaluation of Glove-integrated Passive UHF RFID Tags**. 2018 IEEE International Conference on RFID Technology Application (RFID-TA). IEEE, 2018.

Jokinen, Jarno ; Kanerva, Mikko ; Saarela, Olli. / **Multi-site delamination analysis using virtual crack closure technique for a composite aircraft wing flap**. 31st Congress of the International Council of the Aeronautical Sciences (Proceedings): Belo Horizonte, Brazil September 9-14, 2018. ICAS Press, 2018.

Tuukkanen, Sampo ; Rajala, Satu. / **Nanocellulose as a Piezoelectric Material**. Piezoelectricity - Organic and Inorganic Materials and Applications. InTech Open Access Publisher, 2018. pp. 1-14

Kallonen, Antti ; Nieminen, Hannu ; Das, Soumya ; Sallinen, Riitta. / **Comparison of food frequency questionnaire data and shopping records for the assessment of food intake**. Proceedings of Seventh International Conference on Well-Being in the Information Society: Fighting Inequalities (WIS 2018). 2018. pp. 25-30 (TUCS Lecture Notes).

Baczkiwicz, Jolanta ; Pajunen, Sami ; Heinisuo, Markku. / **Effect of radiation inside square hollow section under moderate non-symmetric fire**. In: Fire Research. 2018 ; Vol. 2, No. 1. pp. 25-30.

Geng, Jing ; Li, Honglei ; Liu, Yanzhou ; Liu, Yongkang ; Kashef, Mohamed ; Candell, Richard ; Bhattacharyya, Shuvra S. / **Model-based cosimulation for industrial wireless networks**. WFCSS 2018 - 2018 14th IEEE International Workshop on Factory Communication Systems. IEEE, 2018. pp. 1-10

Koponen, Pekka ; Hanninen, Seppo ; Mutanen, Antti ; Koskela, Juha ; Rautiainen, Antti ; Järventausta, Pertti ; Niska, Harri ; Kolehmainen, Mikko ; Koivisto, Hannu. / **Improved modelling of electric loads for enabling demand response by applying physical and data-driven models : Project Response**. 2018 IEEE International Energy Conference, ENERGYCON 2018. IEEE, 2018. pp. 1-6

Momeni, Khadijeh ; Martinsuo, Miia. / **Moving toward integrated solutions in project-based firms: Changes in sales practices**. Proceedings of EURAM18 European Academy of Management conference 2018. European Academy of Management, EURAM, 2018. (EURAM conference).

Madhala, Prashanth ; Jussila, Jari ; Aramo-Immonen, Heli ; Suominen, Anu. / **Systematic literature review on customer emotions in social media**. ECSM - Proceedings of the 5th European Conference on Social Media. editor / Vincent Cunnane ; Niall Corcoran. Limerick, Ireland, 2018.

Chen, X. ; He, H. ; Ukkonen, L. ; Virkki, J. ; Lu, Y. ; Lam, H. / **Fabrication and reliability evaluation of passive UHF RFID T-shirts**. 2018 IEEE International Workshop on Antenna Technology, iWAT2018 - Proceedings. IEEE, 2018. pp. 1-4

Kuula, Pirjo ; Leppänen, Minna ; Kolisoja, Pauli ; Korkiala-Tanttu, Leena ; Sorvari, Jaana ; Gustavsson, Henry. / **Education on the utilization of secondary materials in earthworks**. 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. editor / Pentti Lahtinen ; Ville Raasakka. RIL - Finnish Association of Civil Engineers, 2018. pp. 177-187

Leppänen, Minna ; Sarkkila, J. ; Hämäläinen, H. ; Rinkinen, J. / **Technical suitability of the fine fraction of municipal solid waste incineration bottom ash to the landfill capping liner.** 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. editor / V. Raasakka ; P. Lahtinen. RIL - Finnish Association of Civil Engineers, 2018. pp. 168-175

Bolla, Padma ; Lohan, Elena-Simona. / **Dual-frequency signal processing architecture for robust and precise positioning applications.** 2018 IEEE/ION Position, Location and Navigation Symposium, PLANS 2018. IEEE, 2018. pp. 72-80

Ahola, Tuomas ; Ståhle, Matias ; Martinsuo, Miia. / **Agency relationships in global project business.** Proceedings of EURAM18 European Academy of Management conference 2018. European Academy of Management, EURAM, 2018. (EURAM conference).

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

Toenger, Shanti ; Ahvenjärvi, Jani ; Ryczkowski, Piotr ; Genty, Goery. / **Intensity Interferometry of Supercontinuum Light.** Trends in Electromagnetic Coherence. editor / Tero Setälä ; Jari Turunen ; Ari T. Friberg ; Kimmo Saastamoinen. Joensuu : University of Eastern Finland, 2018. (Publications of the University of Eastern Finland. Reports and studies in forestry and natural sciences; 32).

Martinsuo, Miia ; Vuorinen, Lauri ; Killen, Catherine ; Laiti, Mihkal. / **Lifecycle-oriented framing of value at the front end of infrastructure projects.** Proceedings of EURAM18 European Academy of Management conference 2018. European Academy of Management, EURAM, 2018. (EURAM conference).

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

Sillberg, Pekka. / **Toward Manageable Data Sources.** EJC 2018: Proceedings of the 28th International Conference on Information Modelling and Knowledge Bases. editor / Tatiana Endrjukaite ; Hannu Kangassalo ; Bernhard Thalheim ; Yasushi Kiyoki. Transport and Telecommunication Institute, 2018. pp. 485-494

Ellman, A. ; Paronen, J. ; Juuti, T. S. ; Tiainen, T. / **Re-use of engineering design rationale in Finnish SME project based industry.** Proceedings of the Design 2018 15th International Design Conference. The Design Society, 2018. pp. 1825-1832

Lietzen, Jesse ; Kylliäinen, Mikko. / **Finnish Round Robin Test on Airborne Sound Insulation.** 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, 2018. pp. 1677-1682 (European Congress and Exposition on Noise Control Engineering).

Lietzen, Jesse ; Miettinen, Juha ; Kylliäinen, Mikko ; Pajunen, Sami. / **Measurements of impact force excitation on wooden floors.** 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, 2018. pp. 1617-1622 (Proceedings : European Conference on Noise Control).

Vaittinen, Eija ; Martinsuo, Miia. / **Ready to sell? Requirements for promoting service selling in a manufacturing firm.** Proceedings of the Spring Servitization Conference, Driving Competitiveness through Servitization, 14-16 May 2018. editor / Ali Bigdeli ; Thomas Frandsen ; Jawwad Raja ; Tim Baines. Aston University, 2018. pp. 26-34

Jama, Teemu ; Lehtovuori, Panu ; Rajaniemi, Juho ; Siikonen, Mari ; Mäntynen, Jorma ; Rantanen, Annuska ; Joutsiniemi, Anssi ; Koskela, Katja ; Kärkinen, Timo ; Saarikoski, Petri ; Saarniaho, Karoliina. / **Ideoita kaavoituksen sisällön uudistamiseen : Kaavojen merkintöjen ja määräysten kehittäminen (KAMMI-hanke)**. Helsinki : Ympäristöministeriö, 2018. 74 p.

Katkovnik, Vladimir ; Shevkunov, Igor ; Petrov, Nikolay V. ; Eguiazarian, Karen. / **Multiwavelength surface contouring from phase-coded diffraction patterns**. Unconventional Optical Imaging 2018. Strasbourg, France. Vol. 10677 SPIE, 2018. (Proceedings of SPIE - The International Society for Optical Engineering).

Suokas, E. ; Kuusipalo, J. / **Process time importance in the product properties evolution during extrusion coating of different LDPE grades**. 15th TAPPI Advanced Coating Fundamentals Symposium 2018: Charlotte; United States; 14 April 2018 through 15 April 2018. TAPPI Press, 2018. pp. 151-159

Zhao, Yongguang ; Wang, Yicheng ; Zhang, Xuzhao ; Mateos, Xavier ; Pan, Zhongben ; Loiko, Pavel ; Zhou, Wei ; Xu, Xiaodong ; Xu, Jun ; Shen, Deyuan ; Suomalainen, Soile ; Härkönen, Antti ; Guina, Mircea ; Griebner, Uwe ; Petrov, Valentin. / **Sub-100 fs pulse generation from a Tm,Ho : CALYO laser mode-locked by a GaSb-based SESAM at ~2043 nm**. CLEO: Science and Innovations, CLEO_SI 2018. OSA - The Optical Society, 2018.

Noronen, Teppo ; Fedotov, Andrei ; Rissanen, Joona ; Gumenyuk, Regina ; Butov, Oleg ; Chamorovskii, Yuri ; Golant, Konstantin ; Odnoblyudov, Maxim ; Filippov, Valery. / **Ultra-large mode area single frequency anisotropic MOPA with double clad Yb-doped tapered fiber**. Fiber Lasers XV: Technology and Systems. SPIE, IEEE, 2018. (Proceedings of SPIE).

Fakour-Sevom, Vida ; Guldogan, Esin ; Kämäräinen, Joni-Kristian. / **360 panorama super-resolution using deep convolutional networks**. VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications . Vol. 4 SCITEPRESS, 2018. pp. 159-165

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

M. Aref, Mohammad ; Astola, Pekka ; Vihonen, Juho ; Tabus, Ioan ; Ghabcheloo, Reza ; Mattila, Jouni. / **Adaptive Feedback in Local Coordinates for Real-time Vision-Based Motion Control Over Long Distances**. International Conference on Robotics and Mechantronics : (ICRoM 2017). Vol. 320 IOP Publishing Ltd., 2018. (IOP conference series : materials science and engineering).

Kerst, Thomas ; Toivonen, Juha. / **Alpha radiation induced luminescence in solar blind spectral region**. CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.

Sheikh, Muhammad Usman ; Lempiainen, Jukka. / **Analysis of outdoor and indoor propagation at 15 GHz and millimeter wave frequencies in microcellular environment**. In: Advances in Science, Technology and Engineering Systems. 2018 ; Vol. 3, No. 1. pp. 160-167.

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

Jääskeläinen, Aki ; Schiele, Holger ; Aarikka-Stenroos, Leena. / **A social capital perspective on gaining optimal solutions from suppliers as preferred customer**. Academy of Management Proceedings. Vol. 2018 1. ed. Academy of Management AOM, 2018. (Academy of Management Proceedings; 1).

Halbach, Eric ; Kolu, Antti ; Ghabcheloo, Reza. / **Automated pile transfer work cycles with a robotic wheel loader**. 17th International Conference on Computing in Civil and Building Engineering (ICCCBE): Tampere, 5-7 June 2018. editor / K. Mela ; S. Pajunen ; V. Raasakka. Tampere, Finland : RIL, 2018.

Ratia, Milla ; Myllärniemi, Jussi. / **Beyond ic 4.0 : the future potential of bi-tool utilization in the private healthcare**. 13th International Forum on Knowledge Asset Dynamics, IFKAD 2018: Delft, Netherlands, 4-6 July 2018. 2018. (Proceedings IFKAD).

Garifullin, M. ; Bronzova, M. K. ; Heinisuo, M. ; Mela, K. ; Pajunen, S. / **Cold-formed RHS T joints with initial geometrical imperfections**. In: Magazine of Civil Engineering. 2018 ; Vol. 80, No. 4. pp. 81-94.

Bautista, Godofredo ; Dreser, Christoph ; Zang, Xiaorun ; Kern, Dieter ; Kauranen, Martti ; Fleischer, Monika. / **Collective nonlinear optical effects in plasmonic nanohole ensembles of different rotational symmetries**. CLEO: QELS_Fundamental Science 2018. The Optical Society; OSA, 2018.

Keinänen, Marko ; Kähkönen, Kalle. / **Core Project Team As a Management Entity for Construction Projects**. In: In_bo: Ricerche e progetti per il territorio, la città e l'architettura. Construction Management. 2018 ; Vol. 9, No. 13. pp. 208-217.

Fang, Cheng Yi ; Vallini, Felipe ; Amili, Abdelkrim El ; Tukiainen, Antti ; Lyytikäinen, Jari ; Guina, Mircea ; Fainman, Yeshaiahu. / **Development of efficient electrically pumped nanolasers based on InAlGaAs tunnel junction**. CLEO: Science and Innovations, CLEO_SI 2018. OSA - The Optical Society, 2018.

Soltani, Ayat ; Curtze, S. ; Lahti, J. ; Järvelä, K. ; Laurikka, J. ; Hokka, M. ; Kuokkala, V. T. / **Digital image correlation study of the deformation and functioning of the human heart during open-heart surgery**. Mechanics of Biological Systems, Materials and other topics in Experimental and Applied Mechanics - Proceedings of the 2017 Annual Conference on Experimental and Applied Mechanics. Vol. 4 Springer New York LLC, 2018. pp. 19-27 (Conference Proceedings of the Society for Experimental Mechanics).

Tan, Lea Chua ; Nancharaiah, Yarlagadda V. ; van Hullebusch, Eric D. ; Lens, Piet N. L. / **Effect of elevated nitrate and sulfate concentrations on selenate removal by mesophilic anaerobic granular sludge bed reactors**. In: Environmental Science: Water Research & Technology. 2018 ; Vol. 4, No. 2. pp. 303-314 .

Vazquez Fernandez, N. ; Isakov, M. ; Hokka, M. ; Kuokkala, V. T. / **Effects of adiabatic heating estimated from tensile tests with continuous heating**. Dynamic Behavior of Materials - Proceedings of the 2017 Annual Conference on Experimental and Applied Mechanics. Vol. 1 Springer New York LLC, 2018. pp. 1-7 (Conference Proceedings of the Society for Experimental Mechanics).

Assanto, Gaetano ; Perumbilavil, Sreekanth ; Piccardi, Armando ; Kauranen, Martti. / **Electro-optic steering of random laser emission in liquid crystals**. In: Photonics Letters of Poland. 2018 ; Vol. 10, No. 4. pp. 103-105.

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

Sheikh, Muhammad Usman ; Hiltunen, Kimmo ; Lempiäinen, Jukka. / **Enhanced outdoor to indoor propagation models and impact of different ray tracing approaches at higher frequencies**. In: Advances in Science, Technology and Engineering Systems. 2018 ; Vol. 3, No. 2. pp. 58-68.

Raunio, Jukka-Pekka ; Makela, Ismo ; Mäntylä, Markku ; Ritala, Risto. / **Evaluating the contrast of planar periodic patterns on paper**. Paper Conference and Trade Show, PaperCon 2018. TAPPI Press, 2018. pp. 294-302

Kart, Ugur ; Kämäräinen, Joni Kristian ; Fan, Lixin ; Gabbouj, Moncef. / **Evaluation of visual object trackers on equirectangular panorama**. VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications . Vol. 5 SCITEPRESS, 2018. pp. 25-32

Niu, Longchuan ; Suominen, Olli ; M. Aref, Mohammad ; Mattila, Jouni ; Ruiz, Emilio ; Esque, Salvador. / **Eye-in-Hand Manipulation for Remote Handling: Experimental Setup**. International Conference on Robotics and Mechantronics : (ICRoM 2017). Vol. 320 IOP Publishing Ltd., 2018. (IOP conference series : materials science and engineering).

Kantola, Emmi ; Penttinen, Jussi-Pekka ; Leinonen, Tomi ; Ranta, Sanna ; Guina, Mircea. / **Frequency-doubled VECSEL employing a Volume Bragg Grating for linewidth narrowing**. CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.

Kantola, Emmi ; Leinonen, Tomi ; Rantamäki, Antti ; Guina, Mircea ; Sirbu, Alexei ; Iakovlev, Vladimir. / **Frequency-doubled wafer-fused 638 nm VECSEL with an output power of 5.6 W**. CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.

Stankovic, Radomir S. ; Astola, Jaakko ; Moraga, Claudio. / **Gibbs Dyadic Differentiation on Groups - Evolution of the Concept**. Computer Aided Systems Theory – EUROCAST 2017 - 16th International Conference, Revised Selected Papers. Springer Verlag, 2018. pp. 229-237 (Lecture Notes in Computer Science).

Yancheshmeh, Fatemeh Shokrollahi ; Chen, Ke ; Kämäräinen, Joni-Kristian. / **Hierarchical deformable part models for heads and tails**. VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications . Vol. 5 SCITEPRESS, 2018. pp. 45-55

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

Zia, Nouman ; Viheriälä, Jukka ; Koivusalo, Eero ; Aho, Antti ; Suomalainen, Soile ; Guina, Mircea. / **High performance GaSb superluminescent diodes for tunable light source at 2 μm and 2.55 μm**. CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.

Fedotov, Andrei ; Noronen, Teppo ; Rissanen, Joonas ; Gumenyuk, Regina ; Petrov, Andrey ; Chamorovskii, Yuri ; Golant, Konstantin ; Odnoblyudov, Maxim ; Filippov, Valery. / **High power picosecond MOPA with anisotropic ytterbium-doped tapered double-clad fiber**. Proceedings of SPIE : Fiber Lasers and Glass Photonics: Materials through Applications. editor / S Taccheo ; JI Mackenzie ; M Ferrari. Vol. 10683 SPIE-INT SOC OPTICAL ENGINEERING, 2018. (Proceedings of SPIE).

Brobbey, Kofi J. ; Haapanen, Janne ; Gunell, Marianne ; Mäkelä, Jyrki M. ; Eerola, Erkki ; Saarinen, Jarkko J. ; Toivakka, Martti. / **High-speed manufacturing of antimicrobial paper**. Paper Conference and Trade Show, PaperCon 2018. TAPPI Press, 2018. pp. 564-566

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

Smith, Jarrod ; Kuokkala, Veli-Tapani ; Seidt, Jeremy ; Gilat, Amos. / **Internal Heat Generation in Tension Tests of AISI 316 Using Full-Field Temperature and Strain Measurements**. Advancement of Optical Methods in Experimental Mechanics, Volume 3. Conference Proceedings of the Society for Experimental Mechanics Series. Vol. 3 Springer New York LLC, 2018. pp. 97-103 (Conference Proceedings of the Society for Experimental Mechanics).

Palanivel, Suresh ; Zhurina, Anastasia ; Doan, Phuong ; Chandraseelan, Jerome G. ; Khandelwal, Vinodh Kumar Megraj ; Zubkov, Fedor I. ; Mahmudov, Kamran T. ; Pombeiro, Armando J.L. ; Yli-Harja, Olli ; Kandhavelu, Meenakshisundaram. / **In vitro characterization of arylhydrazones of active methylene derivatives**. In: Saudi Pharmaceutical Journal. 2018 ; Vol. 26, No. 3. pp. 430-436.

Schelkens, Peter ; Alpaslan, Zahir ; Ebrahimi, Touradj ; Pereira, Fernando ; Pinheiro, Antonio ; Tabus, Ioan ; Chen, Zhibo. / **JPEG Pleno: a standard framework for representing and signaling plenoptic modalities**. SPIE Proceedings Volume 10752: Applications of Digital Image Processing XLI. Vol. 10752 SPIE, 2018. (SPIE Conference Proceedings).

Kaarakka, Terhi Elina ; Ali-Löytty, Simo ; Huhtanen, Miika. / **Kehittämistutkimus: vuorovaikuteisten Matlab-opetusohjelmien vaikutus minäpystyvyyteen ja oppimistuloksiin yliopistomatematiikassa.** In: FMSERA Journal . 2018 ; Vol. 2, No. 1. pp. 67-77.

Ainasoja, Antti E. ; Hietanen, Antti ; Lankinen, Jukka ; Kämäräinen, Joni-Kristian. / **Keyframe-based video summarization with human in the loop.** VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications . Vol. 4 SCITEPRESS, 2018. pp. 287-296

Uotila, Ulrika ; Saari, Arto ; Junnonen, Juha-Matti. / **Laser Scanning Tasks of Building Refurbishment Project.** Proceedings of the 17th International Conference on Computing in Civil and Building Engineering (ICCCBE). 2018.

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

Kelo, Tomi ; Eronen, Juhani ; Rousku, Kimmo. / **Model for efficient development of security audit criteria.** Proceedings of the 17th European Conference on Cyber Warfare and Security, ECCWS 2018. Curran Associates, 2018. pp. 244-252

Koskinen, Kalle ; Scherbak, Sergey ; Chervinskii, Semyon ; Lipovskii, Andrey ; Kauranen, Martti. / **Non-resonant enhancement of second-harmonic generation from metal nanoislands coated with dielectric layers.** CLEO: QELS_Fundamental Science 2018. OSA, 2018.

Nenonen, Suvi (Editor) ; Salmisto, Alpo (Editor) ; Petrulaitiene, Vitalija (Editor). / **Proceedings of the 1st Transdisciplinary Workplace Research Conference.** Tampere University of Technology. Department of Civil Engineering, 2018. 64 p. (Tampereen teknillinen yliopisto. Rakennustekniikan laboratorio. Rakennustuotanto ja -talous. Raportti; 26).

Viro, Ida Elina ; Joutsenlahti, Jorma. / **Projektityöskentelyn kehittäminen yläkoulun matematiikan opetuksessa.** In: FMSERA Journal . 2018 ; Vol. 2, No. 1. pp. 90-99.

Linna, Marko ; Kannala, Juho ; Rahtu, Esa. / **Real-time human pose estimation with convolutional neural networks.** VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications. Vol. 5 SCITEPRESS, 2018. pp. 335-342

Ryczkowski, Piotr ; Närhi, Mikko ; Billet, Cyril ; Merolla, Jean Marc ; Dudley, John M. ; Genty, Goery. / **Real-time measurements of nonlinear instabilities in optical fibers.** CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.

Camacho-Morales, Rocio ; Bautista, Godofredo ; Zang, Xiaorun ; Xu, Lei ; Turquet, Leo ; Miroshnichenko, Andrey ; Lamprianidis, Aristeidis ; Rahmani, Mohsen ; Neshev, Dragomir N. ; Kauranen, Martti. / **Resonant harmonic generation in AlGaAs nanoantennas using cylindrical vector beams.** CLEO: QELS_Fundamental Science 2018. The Optical Society; OSA, 2018.

Tomberg, Teemu ; Vainio, Markku ; Hieta, Tuomas ; Halonen, Lauri. / **Sub-parts-per-trillion sensitivity in trace gas detection by cantilever-enhanced photo-acoustic spectroscopy.** CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.

Kangas, Jari ; Poutanen, Jenni. / **Underpinning Interrelated Factors of Physical, Virtual, and Social Learning Environments .** ICERI2018 Proceedings. 2018. pp. 8087-8096 (ICERI proceedings).

Bambach, Patrick ; Deller, Jakob ; Martel, Joachim ; Vilenius, Esa ; Goldberg, Hannah ; Sorsa, Liisa-Ida ; Pursiainen, Sampsa ; Takala, Mika ; Wurster, Andreas ; Braun, Hans Martin ; Lentz, Harald ; Jutzi, Martin ; Wittig, Manfred ; Chitu, Cristian Corneliu ; Ritter, Birgit ; Karatekin, Ozgur. / **What's inside a rubble pile asteroid? DiSCUS - A tomographic twin radar Cubesat to find out.** 69th International Astronautical Congress, IAC 2018. 2018. (Proceedings of the International Astronautical Congress, IAC).

Myllykoski, Tuomas Jaakko ; Mattila, Pekka ; Ali-Löytty, Simo ; Kaarakka, Terhi ; Viro, Elina. / **Yliopistomatematiikan sähköisten tehtävien ja matemaattisen ajattelun kehittäminen**. In: FMSERA Journal . 2018 ; Vol. 2, No. 1. pp. 46-56.

Shao, Kai ; Zhou, Bowen ; Wang, Guangyu ; Yu, Bei. / **基于相位旋转的SCMA码本优化方法**. In: Xi Tong Gong Cheng Yu Dian Zi Ji Shu/Systems Engineering and Electronics. 2018 ; Vol. 40, No. 10. pp. 2354-2362.

Saari, Ulla ; Aarikka-Stenroos, Leena ; Boedeker, Stina ; Köppä, Leena ; Langwaldt, Jörg. / **Assessing the usefulness of an early idea development tool among experienced researchers**. In: CERN IdeaSquare Journal of Experimental Innovation . 2017 ; Vol. 1, No. 2. pp. 3-8.

Sommarberg, Matti ; Mäkinen, Saku. / **Mechanisms of disruptive technological change : Case studies in transformation of traditional industries** . Proceedings in 2017 Portland International Conference in Management and Engineering (PICMET): (PICMET) 9-13 July 2017. IEEE, 2017. pp. 1-10

Juuti, Petri ; Katko, Tapio S. ; Rajala, Riikka. / **Sata vuotta vesihuoltoa Suomessa**. In: Vesitalous. 2017 ; Vol. 58, No. 6. pp. 13-15.

Solomitckii, D. ; Semkin, V. ; Naderpour, R. ; Ometov, A. ; Andreev, S. / **Comparative evaluation of radio propagation properties at 15 GHz and 60 GHz frequencies**. 2017 9th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE, 2017. pp. 91-95

Ometov, A. ; Bezzateev, S. / **Multi-factor authentication: A survey and challenges in V2X applications**. 2017 9th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE, 2017. pp. 129-136

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

Peng, Zhe ; Richter, Philipp ; Leppäkoski, Helena ; Lohan, Elena-Simona. / **Analysis of Crowdsensed WiFi Fingerprints for Indoor Localization**. Proceedings of the 21st Conference of Open Innovations Association FRUCT. Helsinki, Finland : FRUCT, 2017. pp. 268-277

Ma, Shubin ; Ukkonen, Leena ; Sydänheimo, Lauri ; Björninen, Toni. / **Wearable e-textile split ring passive UHF RFID tag: Body-worn performance evaluation**. 2017 IEEE Asia Pacific Microwave Conference (APMC). IEEE, 2017.

Veronese, Andrea ; Racca, Mattia ; Pieters, Roel ; Kyrki, Ville. / **Probabilistic Mapping of Human Visual Attention from Head Pose Estimation**. In: Frontiers in Robotics and AI. 2017.

Khorramdel, Behnam ; Kraft, Thomas M ; Mäntysalo, Matti. / **Inkjet printed metallic micropillars for bare die flip-chip bonding**. In: Flexible and Printed Electronics. 2017 ; Vol. 2, No. 4. pp. 045005.

Salo, Juha ; Huttunen, Petteri ; Vinha, Juha. / **Alipaineistetun tuulettuvan ryömintätilan rakennusfysikaaliset FEM-simuloinnit**. Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24-26.10.2017, Tampere. editor / Juha Vinha ; Henna Kivioja. Vol. 2 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. pp. 413-422 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Vänttinen, Kari ; Tuominen, Eero ; Vinha, Juha. / **Betonin kosteusteknisten materiaaliominaisuuksien määrittäminen**. Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. editor / Juha Vinha ; Henna Kivioja. Vol. 2 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. pp. 461-470 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Annila, Petri ; Lahdensivu, Jukka ; Suonketo, Jommi ; Pentti, Matti ; Laukkarinen, Anssi ; Vinha, Juha. / **Kosteusvaurioiden vakavuus kuntien rakennuksissa.** Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. editor / Juha Vinha ; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. pp. 135-140 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Ruusala, Annu ; Vinha, Juha. / **Koulujen ja päiväkotien laskettu ja toteutunut energiankulutus.** Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. editor / Juha Vinha ; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. pp. 267-274 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Sekki, Pauli ; Korhonen, Lauri ; Vinha, Juha. / **Kuorielementtien kuivumisen mallintaminen hydrataation huomioivalla FEM-laskennalla.** Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. editor / Juha Vinha ; Henna Kivioja. Vol. 2 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. pp. 399-405 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Jokisalo, Juha ; Sankelo, Paula ; Sirén, Kai ; Vinha, Juha. / **Kustannusoptimaaliset energiakorjaus- ja uusiutuvan energian tuotannon ratkaisut kunnallisissa palvelurakennuksissa.** Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. editor / Juha Vinha ; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. pp. 287-292

Laukkarinen, Anssi ; Heiskanen, Roosa ; Vinha, Juha. / **Maanvastaisten seinien lämpö- ja kosteustekninen toiminta.** Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. editor / Juha Vinha ; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. pp. 71-76 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Kauppinen, Antti ; Kiviste, Mihkel ; Pirhonen, Joni ; Vinha, Juha. / **Paine-erot Pirkanmaan ja Helsingin julkisissa palvelurakennuksissa.** Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24-26.10.2017, Tampere. editor / Juha Vinha ; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. pp. 215-221 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Laukkarinen, Anssi ; Musakka, Sami ; Penttilä, Olavi ; Teriö, Olli ; Vinha, Juha. / **Puukerrostalon työmaavaiheen lämpö- ja kosteusolosuhteiden mittaukset.** Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. editor / Juha Vinha ; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. pp. 167-172 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Teriö, Olli ; Penttilä, Olavi ; Laukkarinen, Anssi ; Musakka, Sami ; Vinha, Juha. / **Puukerrostalorakentamisen kosteudenhallinta.** Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. editor / Juha Vinha ; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. pp. 173-178 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Tuominen, Eero ; Vainio, Maarit ; Vinha, Juha. / **Suomessa markkinoilla olevien kalsiumsilikaattilevyjen rakennusfysiikalliset materiaaliominaisuudet.** Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. editor / Juha Vinha ; Henna Kivioja. Vol. 2 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. pp. 455-460 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Huttunen, Petteri ; Rantala, Juha ; Vinha, Juha. / **Suuren lämmöneristämättömän maanvastaisen alapohjan vaikutus rakennuksen energiankulutukseen.** Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24-26.10.2017, Tampere. editor / Juha Vinha ; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. pp. 335-342 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Viheriäkoski, Toni ; Kärjä, Eira ; Gärtner, Reinhold ; Tamminen, Pasi. / **Electrostatic discharge characteristics of conductive polymers**. Electrical Overstress/Electrostatic Discharge Symposium Proceedings 2017, EOS/ESD 2017. ESD Association, 2017.

Viheriäkoski, Toni ; Jokinen, Vesa ; Smallwood, Jeremy ; Korpipää, Ari ; Tamminen, Pasi. / **Qualification challenges of footwear and flooring systems**. Electrical Overstress/Electrostatic Discharge Symposium Proceedings 2017, EOS/ESD 2017. ESD Association, 2017.

Müller, Philipp ; Lekkala, Jukka ; Ali-Löytty, Simo ; Piche, Robert. / **Indoor Localisation using Aroma Fingerprints: A First Sniff**. 2017 14th Workshop on Positioning, Navigation and Communications (WPNC). Bremen, Germany : IEEE, 2017.

Pakkala, Toni ; Lahdensivu, Jukka ; Köliö, Arto ; Annala, Petri. / **Julkisivujen ja parvekkeiden talvikorjausohje**. Rakennusfysiikka 2017: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut, 24-26.10.2017, Tampere. editor / Juha Vinha ; Henna Kivioja. Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. pp. 179-184 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Kiili, Kristian ; Ojansuu, Kai ; Lindstedt, Antero ; Ninaus, Manuel. / **Rational Number Knowledge Assessment and Training With a Game Competition**. Proceedings of The 11th European Conference on Game-Based Learning ECGBL 2017. Academic Conferences and Publishing International Limited, 2017. pp. 320-327

Hlavatý, Ivo ; Kozák, Jindrich ; Krejci, Lucie ; Samardzic, Ivan ; Tuominen, Jari. / **The effect of tungsten carbide particles content in a weld deposit on its abrasion resistance**. In: Technical Gazette - Technicki vjesnik. 2017 ; Vol. 24, No. 5. pp. 1345-1349.

Kraft, Thomas ; Berger, Paul ; Lupo, Donald. / **Printed and organic diodes: devices, circuits and applications**. In: Flexible and Printed Electronics. 2017 ; Vol. 2, No. 3.

Laitinen, Arttu ; Santa-aho, Suvi ; Lukinmaa, Henri ; Suominen, Lasse ; Vippola, Minnamari. / **Barkhausen noise Potcore sensor simulations with Comsol**. 12th International Conference on Barkhausen Noise and Micromagnetic Testing. ICBM, 2017. pp. 97-107

Sorsa, Aki ; Santa-aho, Suvi ; Aylott, Christopher ; Shaw, Brian ; Vippola, Minnamari ; Leiviskä, Kauko. / **Case depth prediction of nitrided components**. 12th International Conference on Barkhausen Noise and Micromagnetic Testing. ICBM, 2017. pp. 65-72

Virkki, Johanna ; Chen, Xiaochen ; Björninen, Toni ; Ukkonen, Leena. / **Embroidered antennas and antenna-electronics interfaces for wearable RFID tags**. IMWS-AMP 2017 International Microwave Workshop Series on Advanced Materials and Processes. IEEE, 2017.

Suominen, Anu Helena ; Mäenpää, Sari. / **Knowledge sharing in knowledge collectivity: case digitalization in industrial network**. Proceedings of the 18th European Conference on Knowledge Management ECKM 2017: 7-8 September 2017, Barcelona, Spain. editor / Frederic Marimon ; Marta Mas-Machuca ; Jasmina Berbegal-Mirabent ; Ramon Bastida. Academic Conferences and Publishing International, 2017. pp. 956-963

Mohamed Bahrudeen, Mohamed ; S. Ribeiro, Andre. / **Tuning extrinsic noise effects on a small genetic circuit**. Proceedings of ECAL 2017: 14th European Conference on Artificial Life. Massachusetts Institute of Technology, 2017.

Munir, M. W. ; Shahid, N. ; Omair, S. M. ; Munir, G. ; Ul Haque, M. Z. / **Comparative investigation of remote tracking devices for aging care**. In: INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY. 2017 ; Vol. 9, No. 3. pp. 261-266.

Kähkönen, Kalle ; Brandt, Jens. / **Quality evaluation on of contractor's schedule for building renovation**. Re-shaping the construction industry. editor / Angelo Ciribini ; Giuseppe Alaimo ; Pietro Capone ; Bruno Daniotti ; Guido Dell'Osso ; Maurizio Nicoletta . ISTEa Italian Society of Science, Technology and Engineering of Architecture; Maggioli Editore, 2017. pp. 175-184

Mäntysalo, Matti ; Vuorinen, Tiina ; Jeyhani, Vala ; Vehkaoja, Antti. / **Printed soft-electronics for remote body monitoring. Hybrid Memory Devices and Printed Circuits 2017: SPIE Organic Photonics + Electronics | 6-10 August 2017. SPIE, 2017. (SPIE Conference Proceedings).**

Dang, Duong ; Pekkola, Samuli. / **Enterprise architecture and organizational reform: a project debrief.** Proceedings the 21st Pacific Asian Conference on Information Systems 2017 (PACIS'2017): Langkawi, Malay, 16-20 July, 2017. Association for Information Systems AIS, 2017.

Militano, Leonardo ; Orsino, Antonino ; Araniti, Giuseppe ; Iera, Antonio. / **NB-IoT for D2D-enhanced content uploading with social trustworthiness in 5G systems.** In: Future Internet. 2017 ; Vol. 9, No. 3.

Saari, M. ; Mäkinen, T. ; Linna, P. / **Applying third-party moocs in programming education: a case study.** 9th International Conference on Education and New Learning Technologies: 3-5 July, 2017 Barcelona, Spain. Barcelona, Spain : IATED, 2017. pp. 53-59

Jussila, Jari ; Menon, Karan ; Gupta, Jayesh ; Kärkkäinen, Hannu. / **Who is who in Big Social Data? A Bibliographic Network Analysis Study.** Proceedings of the 4th European Conference on Social Media ECSM 2017. Vol. 4 Reading, UK : Academic Conferences and Publishing International Limited, 2017. pp. 161-169

Multisilta, Jari ; Niemi, Hannele. / **Tools, pedagogical models, and best practices for digital storytelling.** Encyclopedia of information science and technology. editor / Mehdi Khosrow-Pour. 4th . ed. IGI Global, 2017.

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

Filanovsky, Igor ; Tchamov, Nikolay. / **Maximally Flat Property and Bandwidth Enhancing by Transfer Function Zeroes IEEE-NewCAS France.** 2017 15th IEEE International New Circuits and Systems Conference (NEWCAS). IEEE, 2017.

Riihonen, Taneli ; Korpi, Dani ; Rantula, Olli ; Valkama, Mikko. / **On the prospects of full-duplex military radios.** 2017 International Conference on Military Communications and Information Systems, ICMCIS 2017. IEEE, 2017.

Rytöluoto, Ilkka ; Ritamäki, Mikael ; Gitsas, Antonis ; Pasanen, Satu ; Lahti, Kari. / **Morphology Development, Structure and Dielectric Properties of Biaxially Oriented Polypropylene.** 25th Nordic Insulation Symposium on Materials, Components and Diagnostics. 2017. (Proceeding of the Nordic Insulation Symposium; 25).

Palvalin, Miikka ; Vuori, Vilma ; Helander, Nina. / **Knowledge transfer and work productivity.** Proceedings of 12th International Forum on Knowledge Asset Dynamics: St. Petersburg, Russia 7-9 June 2017. editor / JC Spender ; Giovanni Schiuma ; Tatiana Gavrilova. 2017. pp. 1120-1134 (Proceedings IFKAD).

Kontinen, Jukka ; Krumb, Jason ; DeMartini, Nikolai ; Gomez-Barea, Alberto. / **The role of inorganics in modelling of biomass gasification.** EUBCE 2017 Online Conference Proceedings. editor / L. Ek ; H. Ernrooth ; N. Scarlat ; A. Grassi ; P. Helm. ETA-Florence Renewable Energies, 2017. pp. 443-447 (European biomass conference and exhibition proceedings).

Kiilakoski, Jarkko ; Lukac, Frantisek ; Koivuluoto, Heli ; Vuoristo, Petri. / **Cavitation wear characteristics of Al₂O₃-ZrO₂-ceramic coatings deposited by APS and HVOF -processes.** International Thermal Spray Conference ITSC 2017, Conference Proceedings: June 7-9, 2017, Düsseldorf, Germany.. Vol. 336 Düsseldorf : DVS Media GmbH, 2017. pp. 928-933 (DVS-Berichte / DVS - Deutscher Verband für Schweißen und Verwandte Verfahren e.V.).

Laihonen, Harri ; Sillanpää, Virpi ; Vuolle, Maiju. / **Managing intellectual liabilities by service recovery.** 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.. editor / Giovanni Schiuma ; JC Spender ; Tatiana Gavrilova. IKAM - Institute of Knowledge Asset Management, 2017. pp. 1570-1583 (Proceedings IFKAD).

Jussila, Jari J. ; Mustafee, Navonil ; Aramo-Immonen, Heli ; Menon, Karan ; Hajikhani, Arash ; Helander, Nina. / **A bibliometric study on authorship trends and research themes in knowledge management literature.** 12th International Forum on Knowledge Asset Dynamics, St. Petersburg, Russia 7-9 June 2017: Knowledge Management in the 21th Century: Resilience, Creativity and Co-creation. Vol. 12 St. Petersburg, Russia, 2017. pp. 389-397

Aramo-Immonen, Heli ; Vartio, Mikko ; Jussila, Jari. / **If you know social media, you see opportunities....** 12th International Forum on Knowledge Asset Dynamics: Knowledge Management in the 21th Century: Resilience, Creativity and Co-creation. Vol. 12 2017. pp. 575-584

Myllärniemi, Jussi ; Pekkola, Samuli ; Helander, Nina. / **Lessons for data-based value creation.** 12th International Forum on Knowledge Asset Dynamics, IFKAD 2017. 2017. pp. 398-407 (Proceedings IFKAD).

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

Ketonen-Oksi, Sanna ; Jalonen, Harri. / **Advocator, jester, spokesperson, provocateur and boundary spanner? Exploring different communication styles at twitter.** 12th Conference proceedings of IFKAD2017: St.Petersburg, Russia, 7-9 June 2017. 2017. (Proceedings IFKAD).

Helander, Nina ; Sillanpää, Virpi ; Vuori, Vilma ; Uusitalo, Olavi. / **Customer Perceived Value - A Key in Marketing of Integrated Solutions.** The 5th International Conference on Strategic Innovative Marketing., At Athens, Greece, Volume: 5: September 23-26, 2016. editor / A. Kavoura ; D. Sakas ; P. Tomaras. Springer, 2017. pp. 37-42 (Springer Proceedings in Business and Economics).

Jussila, Jari ; Vuori, Vilma ; Okkonen, Jussi ; Helander, Nina. / **Reliability and Perceived Value of Sentiment Analysis for Twitter Data.** 5th International Conference on Strategic Innovative Marketing, At Athens, Greece., September 23-26, 2016. editor / A. Kavoura ; D. Sakas ; P. Tomaras. Springer, 2017. pp. 43-48 (Springer Proceedings in Business and Economics).

Jussila, Jari ; Boedeker, Mika ; Jalonen, Harri ; Helander, Nina. / **Social Media Analytics Empowering Customer Experience Insight.** 5th International Conference on Strategic Innovative Marketing, Volume: 5: September 23-26, 2016 At Athens, Greece. editor / A. Kavoura ; D. Sakas ; P. Tomaras. Springer, 2017. pp. 25-30 (Springer Proceedings in Business and Economics).

Jaakkola, Hannu ; Thalheim, Bernhard. / **Culture-Aware Web Information Systems in Dependence of Context.** The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases. editor / Virach Sornlertlamvanich ; Petchporn Chawakitchareon ; Aran Hansuebsai ; Chawan Koopipat ; Yasushi Kiyoki ; Hannu Jaakkola ; Bernhard Thalheim ; Naofum Yoshida. Sirindhorn International Institute of Technology, Thammasat University, Thailand, 2017. pp. 309-331

Silwal, Bishal ; Rasilo, Paavo ; Belahcen, Anouar ; Arkkio, Antero. / **Influence of the rotor eccentricity on the torque of a cage induction machine.** In: Archives of Electrical Engineering. 2017 ; Vol. 66, No. 2. pp. 383-396.

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

Lehtoranta, Kati ; Murtonen, Timo ; Vesala, Hannu ; Koponen, Päivi ; Alanen, Jenni ; Simonen, Pauli ; Rönkkö, Topi ; Timonen, Hilikka ; Saarikoski, Sanna ; Maunula, Teuvo ; Kallinen, Kauko ; Korhonen, Satu. / **Natural Gas Engine Emission Reduction by Catalysts.** In: Emission Control Science and Technology. 2017 ; Vol. 3, No. 2. pp. 142-152.

Eteläaho, Anna ; Soini, Jari ; Jaakkola, Hannu ; Mattila, Anna-Liisa. / **Visual Data Mining in Software Repositories: A Survey.** The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases. editor / Virach Sornlertlamvanich ; Petchporn Chawakitchareon ; Aran Hansuebsai ; Chawan Koopipat ; Yasushi Kiyoki ; Hannu

Jaakkola ; Bernhard Thalheim ; Naofumi Yoshida. Sirindhorn International Institute of Technology, Thammasat University, Thailand, 2017. pp. 367-385

Virtanen, Janne ; Kamppi, Antti ; Pekkarinen, Esko ; Määttä, Joni-Matti ; Järvinen, Juho ; Matilainen, Lauri Johannes ; Teuho, Mikko ; Hämäläinen, Timo. / **Kactus2: A graphical EDA tool built on the IP-XACT standard**. In: The Journal of Open Source Software. 2017 ; Vol. 2, No. 13. pp. 1.

Rojas, Vania ; Martinez, Francisco ; Bernede, Jean Christian ; Guenadez, Linda Cattin ; Efimov, Alexander ; Lemmetyinen, Helge. / **Alkyl thiophene vinylene electropolymerization in C8mimPF6, potential use in solar cells**. In: Materials Sciences and Applications. 2017 ; Vol. 8, No. 5. pp. 405-417.

Juuti, Petri S. / **Editorial: Information to support decision-making**. In: Ympäristöhistoria: Finnish Journal of Environmental History. 2017 ; Vol. 2017, No. 1. pp. 5-6.

Juuti, Petri S. ; Kurki, Vuokko ; Rajala, Riikka. / **Local narratives in the long term water conflicts : Case of Turku Region in Finland**. In: Ympäristöhistoria: Finnish Journal of Environmental History. 2017 ; Vol. 2017, No. 1. pp. 39-49.

Valmari, Antti ; Hella, Lauri. / **The logics taught and used at high schools are not the same**. Proceedings of the Fourth Russian Finnish Symposium on Discrete Mathematics. editor / Juhani Karhumäki ; Yuri Matiyasevich ; Aleks Saarela. Turku : TURKU CENTRE FOR COMPUTER SCIENCE, 2017. pp. 172-186 (TUCS Lecture Notes; 26).

Juuti, Petri. / **Vesi, ongelma ennen ja nyt?**. In: Ympäristöhistoria: Finnish Journal of Environmental History. 2017 ; Vol. 2017, No. 1. pp. 54-65.

Asp, Olli ; Laaksonen, Anssi. / **Instrumentation and monitoring of large-span culvert built under a railway, in Finland**. Archives of Institute of Civil Engineering: 3rd European Conference on Buried Flexible Steel Structures, Rydzyna, Poland, 24-25 April 2017. editor / Arkadiusz Madaj ; Iwona Jankowiak. Vol. 2017 23. ed. Poznan : Wydawnictwo Politechniki Poznanskiej, 2017. pp. 53-60

Zare, Alireza ; Sreedhar, Kashyap Kammachi ; Vadakital, Vinod Kumar Malamal ; Aminlou, Alireza ; Hannuksela, Miska M. ; Gabbouj, Moncef. / **HEVC-compliant viewport-adaptive streaming of stereoscopic panoramic video**. 2016 Picture Coding Symposium, PCS 2016. IEEE, 2017.

Olshannikova, Ekaterina ; Ometov, Aleksandr ; Anagnostaki, Tatiana ; Hasan, Nazia ; Kuketaeva, Ayzhan ; Ahtinen, Aino ; Olsson, Thomas ; Koucheryavy, Yevgeni. / **Towards better knowledge work experiences with new Ambient workspace : Concept and prototype**. Proceedings of the 19th Conference of Open Innovations Association, FRUCT 2016. IEEE COMPUTER SOCIETY PRESS, 2017. pp. 173-181

Teymouri, Shokoufeh ; Calejo, Maria Teresa ; Hiltunen, Maiju ; Sorkio, Anni E. ; Juuti-Uusitalo, Kati ; Skottman, Heli ; Kellomäki, Minna. / **Collagen-immobilized polyimide membranes for retinal pigment epithelial cell adherence and proliferation**. In: Cogent Chemistry. 2017 ; Vol. 3, No. 1.

Brechet, Nicolas ; Ginestet, Galatee ; Moradi, Elham ; Ukkonen, Leena ; Torres, Jeremie ; Björninen, Toni ; Virkki, Johanna. / **Cost- and time-effective sewing patterns for embroidered passive UHF RFID tags**. Proceedings of IEEE 2017 International Workshop on Antenna Technology. IEEE, 2017. pp. 30-33

Karhu, M. ; Lagerbom, J. ; Kivikytö-Reponen, P. ; Ismailov, A. ; Levänen, E. / **Reaction heat utilization in aluminosilicate-based ceramics synthesis and sintering**. In: Journal of Ceramic Science and Technology. 2017 ; Vol. 8, No. 1. pp. 101-112.

Khan, Muhammad Waqas Ahmad ; Björninen, Toni ; Sydänheimo, Lauri ; Ukkonen, Leena. / **Wirelessly powered implantable system for wireless long-term monitoring of intracranial pressure**. Proceedings of IEEE 2017 International Workshop on Antenna Technology. IEEE, 2017. pp. 122-124

Singh, A. ; Vihinen, J. ; Frankberg, E. ; Hyvärinen, L. ; Honkanen, M. ; Levänen, E. / **Effect of Laser Power on Yield of TiO₂ Nanoparticles Synthesized by Pulsed Laser Ablation in Water**. In: Journal of Ceramic Science and Technology. 2017 ; Vol. 8, No. 1. pp. 39-43.

Viheriälä, Jukka ; Aho, Antti ; Virtanen, Heikki ; Koskinen, Mervi ; Dumitrescu, Mihail ; Guina, Mircea. / **1180 nm GaInNAs quantum well based high power DBR laser diodes**. High-Power Diode Laser Technology XV. editor / Mark S. Zediker. SPIE, 2017. (Proceedings of SPIE).

Li, Lin ; Ghazi, Amanullah ; Boutellier, Jani ; Anttila, Lauri ; Valkama, Mikko ; Bhattacharyya, Shuvra S. / **Evolutionary multiobjective optimization for adaptive dataflow-based digital predistortion architectures**. In: EAI Endorsed Transactions on Cognitive Communications. 2017 ; Vol. 17, No. 10.

Karioja, Pentti ; Alajoki, Teemu ; Cherchi, Matteo ; Ollila, Jyrki ; Harjanne, Mikko ; Heinilehto, Noora ; Suomalainen, Soile ; Viheriälä, Jukka ; Zia, Nouman ; Guina, Mircea ; Buczyński, Ryszard ; Kasztelaniec, Rafał ; Kujawa, Ireneusz ; Salo, Tomi ; Virtanen, Sami ; Kluczynski, Pawel ; Sagberg, Håkon ; Ratajczyk, Marcin ; Kalinowski, Przemyslaw . / **Multi-wavelength mid-IR light source for gas sensing**. Proc. SPIE 10110: Photonic Instrumentation Engineering IV. Vol. 10110 SPIE, 2017. (Proceedings of SPIE).

Tiira, Jonna ; Radevici, Ivan ; Haggren, Tuomas ; Hakkarainen, Teemu ; Kivisaari, Pyry ; Lyytikäinen, Jari ; Aho, Arto ; Tukiainen, Antti ; Guina, Mircea ; Oksanen, Jani. / **Intracavity double diode structures with GaInP barrier layers for thermophotonic cooling**. Proc. SPIE 10121: Optical and Electronic Cooling of Solids II. Vol. 10121 SPIE, 2017. (Proceedings of SPIE).

Sislian, Rodrigo ; da Silva, Flávio Vasconcelos ; Gedraite, Rubens ; Jokinen, Heikki ; Rajan, Dhanesh Kattippambal. / **The use of mathematical modeling for the development of a low cost fuzzy gain schedule neutralization control system**. Transactions on Engineering Technologies: World Congress on Engineering and Computer Science 2015. Springer Singapore, 2017. pp. 525-539

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

Matikainen, Ville ; Rubio, Silvia ; Ojala, Niko ; Koivuluoto, Heli ; Schubert, Jan ; Houdková, Sarka ; Vuoristo, Petri. / **Cavitation erosion, slurry erosion and solid particle erosion performance of metal matrix composite (MMC) coatings sprayed with modern high velocity thermal spray processes**. Materials Science and Technology Conference and Exhibition 2017, MS and T 2017: October 8-12, 2017, Pittsburgh, Pennsylvania USA. Vol. 2 Association for Iron and Steel Technology, AISTECH, 2017. pp. 1161-1163

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

Lahti, Johanna ; Kampuri, Taina ; Kuusipalo, Jurkka. / **Novel bio-based materials for active and intelligent packaging**. 16th TAPPI European PLACE Conference 2017. TAPPI Press, 2017.

Lahti, Johanna ; Kuusipalo, Jurkka ; Auvinen, Sanna. / **Novel equipment to simulate hot air heat sealability of packaging materials**. 16th TAPPI European PLACE Conference 2017. TAPPI Press, 2017. pp. 237-248

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

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

Zare, Marzieh ; Neeli-Venkata, Ramakanth ; Martins, Leonardo ; Peltonen, Sari ; Ruotsalainen, Ulla ; Ribeiro, Andre S. / **Automatic Classification of Z-ring Formation Stages at the Single Cell Level in Escherichia Coli by Machine Learning**. Proceedings of the 10th International Joint Conference on Biomedical Engineering Systems and Technologies, Vol 2: Bioimaging. editor / M Silveira ; A Fred ; H Gamboa ; M Vaz. SCITEPRESS, 2017. pp. 72-76

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

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

López Baeza, Jesús ; Cerrone, Damiano ; Männigo, Kristjan. / **Comparing two methods for Urban Complexity calculation using Shannon-Wiener index**. Comparing two methods for Urban Complexity calculation using Shannon-Wiener index. WIT Press, 2017. pp. 369-378 (WIT Transactions on Ecology and The Environment).

Minaev, Georgy ; Visa, Ari ; Piche, Robert. / **Comprehensive survey of similarity measures for ranked based location fingerprinting algorithm**. Indoor Positioning and Indoor Navigation (IPIN), 2017 International Conference on. IEEE, 2017.

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

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

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

Christiansen, John ; Birkinshaw, Julian ; Le Massaon, Pascal ; Mäkinen, Saku. / **Editorial: Experiments in an Organisational Context**. In: CERN IdeaSquare Journal of Experimental Innovation. 2017 ; Vol. 1, No. 2.

Partanen, Tiina ; Niemelä, Pia ; Mannila, Linda ; Poranen, Timo. / **Educating Computer Science Educators Online - A Racket MOOC for Elementary Math Teachers of Finland**. Proceedings of the 9th International Conference on Computer Supported Education. SCITEPRESS - Science and Technology Publications, 2017. pp. 47-58

Munnukka, Juha ; Karjaluo, Heikki ; Mahlamäki, Tommi ; Hokkanen, Ville. / **Effects of Social Media on Consumers' Sports Brand Experiences and Loyalty**. Creating Marketing Magic and Innovative Future Marketing Trends: Proceedings of the 2016 Academy of Marketing Science (AMS) Annual Conference. editor / Maximilian Stieler. Springer International Publishing, 2017. pp. 1051-1064 (Developments in Marketing Science: Proceedings of the Academy of Marketing Science).

Andersson, Tuula ; Boedeker, Mika ; Vuori, Vilma. / **Emotion-Gauge: Analyzing affective experiences in B2B customer journeys**. Strategic Innovative Marketing : 5th IC-SIM, Athens, Greece, September 23-26, 2016. editor / Androniki Kavoura ; Damianos Sakas ; Petros Tomaras. Springer, 2017. pp. 31-36 (Springer Proceedings in Business and Economics).

Sorri, Jaakko ; Heljo, Juhani ; Uotila, Ulrika ; Ruusala, Annu. / **Energiätehokkuusinformaatio palvelurakennuksissa**. Rakennusfysiikka 2017: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut : 24.-26.10.2017, Tampere. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. pp. 325-330 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Heljo, Juhani ; Sorri, Jaakko ; Harsia, Pirkko. / **Energiätehoisuus on entistä enemmän sähkötehon hallintaa.** Rakennusfysiikka 2017: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. editor / Juha Vinha ; Henna Kivioja. Vol. 1 Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. pp. 281-286 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

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

Perttula, Arttu. / **Eye tracking studies focusing on mathematics: a literature review.** INTED2017. The 11th annual International Technology, Education and Development Conference: Valencia, 6th - 8th of March, 2017.. IATED Academy, 2017.

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

Perttula, Arttu ; Tuomi, Pauliina. / **Gamification at School.** EDULEARN17: The 9th International Conference on Education and New Learning Technologies. 2017. pp. 9334-9340

Nommeots-Nomm, Amy ; Massera, Jonathan. / **Glass and Glass-Ceramic Scaffolds: Manufacturing Methods and the Impact of Crystallization on In-Vitro Dissolution.** Scaffolds in Tissue Engineering - Materials, Technologies and Clinical Applications. InTech Open Access Publisher, 2017.

Mokhtarian, Hossein ; Coatanea, Eric ; Paris, Henri ; Vihinen, Jorma. / **Identification of fundamental requirements for ideal metamodeling framework in additive manufacturing.** Proceedings of the 2nd Annual SMACC Research Seminar 2017. editor / Jussi Aaltonen ; Riikka Virkkunen ; Kari T. Koskinen ; Risto Kuivanen. 2017. pp. 29-31

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

Cenev, Zoran ; Zhang, Hongbo ; Sariola, Veikko ; Rahikkala, Antti ; Liu, Dongfei ; Santos, Hélder A. ; Zhou, Quan. / **Manipulating Superparamagnetic Microparticles with an Electromagnetic Needle.** In: Advanced Materials Technologies. 2017 ; Vol. 3, No. 1.

Begishev, Vyacheslav ; Samuylov, Andrey ; Moltchanov, Dmitri ; Samouylov, Konstantin. / **Modeling the process of dynamic resource sharing between LTE and NB-IoT services.** Distributed Computer and Communication Networks - 20th International Conference, DCCN 2017, Proceedings. Springer Verlag, 2017. pp. 1-12 (Communications in Computer and Information Science).

Gomez Casco, David ; Lohan, Elena-Simona ; Lopez-Salcedo, Jose A. ; Seco-Granados, Gonzalo. / **Multilag Frequency Estimation for High-Order BOC Signals in the Acquisition Stage.** 2016 8th ESA Workshop on Satellite Navigation Technologies and European Workshop on GNSS Signals and Signal Processing (NAVITEC). IEEE, 2017.

Mahlamäki, Tommi ; Valkeinen, Teija ; Myllärniemi, Jussi ; Hellsten, Pasi ; Repo, Santeri. / **Personality's effect on peer assessment ability in case method context.** EDULEARN17 Proceedings. 9th International Conference on Education and New Learning Technologies: 3-5 July, 2017, Barcelona, Spain. IATED, 2017. pp. 6401-6405 (Edulearn proceedings).

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

Hakkarainen, Teemu ; Leahu, Grigore ; Petronijevic, Emilija ; Belardini, Alessandro ; Centini, Marco ; Li Voti, Roberto ; Koivusalo, Eero ; Rizzo Piton, Marcelo ; Guina, Mircea ; Sibilica, Concita. / **Photo-acoustic Spectroscopy of Resonant Absorption in III-V Semiconductor Nanowires.** CLEO: Applications and Technology 2017: San Jose, California United States 14-19 May 2017. The Optical Society; OSA, 2017.

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

Messo, Tuomas ; Luhtala, Roni ; Roinila, Tomi ; Yang, Dongsheng ; Wang, Xiongfei ; Blaabjerg, Frede. / **Real-Time Impedance-Based Stability Assessment of Grid Converter Interactions.** IEEE Workshop on Control and Modeling for Power Electronics. 2017.

Ketonen-Oksi, Sanna. / **Reinventing organisational creativity and innovation through adapting a service-based working culture.** Integrating arts and creativity into business practice. editor / Giovanni Schiuma ; Antonio Lerro. IGI Global, 2017. pp. 1-20

Utraiainen, Roni ; Pöllänen, Markus. / **Review on mobility as a service in scientific literature.** Conference Proceedings 1st International Conference on Mobility as a Service: ICoMaaS, Tampere 28.-29.11.2017. Tampere University of Technology, 2017. pp. 141-155

Zhang, Boyang ; Veijalainen, Jari ; Kotkov, Denis. / **Samsung and Volkswagen crisis communication in Facebook and Twitter : A comparative study.** WEBIST 2017 - Proceedings of the 13th International Conference on Web Information Systems and Technologies. SCITEPRESS, 2017. pp. 312-323

Juuti, Petri ; Rajala, Riikka. / **Sata vuotta Suomen suurimmasta lavantautiepidemiasta.** In: Vesitalous. 2017 ; Vol. 2017, No. 1. pp. 12-14.

Marttila, Tero ; Annala, Petri ; Suonketo, Jommi ; Kero, Paavo ; Pentti, Matti. / **Securing the flow of information in renovation projects : Sustainable synergies from buildings to the urban scale.** In: PROCEDIA ENVIRONMENTAL SCIENCES. 2017 ; Vol. 38. pp. 228-233.

Katko, Tapio S. / **Suomen vesihuollon kehitys ja opit kansainvälisessä kontekstissa.** In: Vesitalous. 2017 ; Vol. 58, No. 1. pp. 8-11.

Miettinen, P. ; Ahokas, M. ; Engström, T. ; Heinonen, J. ; Auvinen, S. / **The role of base substrate on barrier and convertibility properties of Water based barrier coated (WBBC) paper and paperboard.** Paper Conference and Trade Show, PaperCon 2017: Renew, Rethink, Redefine the Future, Minneapolis, Minnesota, USA, 23-26 April 2017. Vol. 1 TAPPI Press, 2017. pp. 220-232

Jääskeläinen, Aki ; Thitz, Otto ; Heikkilä, Jussi. / **The role of performance measurement in supplier-buyer value-creation.** Proceedings of 9th Conference on Performance Measurement and Management Control: 13-15 September 2017, Nice, France. EIASM, 2017. (Conference on Performance Measurement and Management Control).

Taivalsaari, Antero ; Mikkonen, Tommi. / **The Web as a software platform : Ten years later.** WEBIST 2017 - Proceedings of the 13th International Conference on Web Information Systems and Technologies. SCITEPRESS, 2017. pp. 41-50

Laudyn, Urszula A. ; Kwaśny, Michał ; Karpierz, Mirosław A. ; Assanto, Gaetano. / **Three-color vector nematicon.** In: Photonics Letters of Poland. 2017 ; Vol. 9, No. 2. pp. 36-38.

Vanhalakka, Joel ; Ilvonen, Ilona ; Väättäjä, Heli. / **Utilizing knowledge networks in virtual or augmented reality solution creation.** Proceedings of the 18th European Conference on Knowledge Management ECKM 2017: 7-8 September 2017, Barcelona, Spain. editor / Frederic Marimon ; Marta Mas-Machuca ; Jasmina Berbegal-Mirabent ; Ramon Bastida. Academic Conferences and Publishing International, 2017. pp. 1008-1014

Juuti, Petri ; Rajala, Riikka. / **Valkea kaupunki, mustat vedet.** In: Vesitalous. 2017 ; Vol. 2017, No. 1. pp. 15-17.

Ahmad, Iftikhar ; Rantanen, Petri ; Sillberg, Pekka ; Laaksonen, Jorma ; Liu, Shuhua ; Forss, Thomas ; Malik, Aqdas ; Nieminen, Marko ; Shetty, Rakshith ; Ishikawa, Satoru ; Kallio, Jarno ; Saarinen, Jukka P. ; Gabbouj, Moncef ; Soini, Jari. / **VisualLabel: An Integrated Multimedia Content Management and Access Framework.** The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases, EJC 2017: June 5-9, 2017, Krabi, Thailand. 2017. pp. 332-353

Sillberg, Pekka ; Veksommai, Chalisa ; Soini, Jari ; Jaakkola, Hannu. / **Web-user-interface system utilizing rhmei and open data for a water quality analyzer.** The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases, EJC 2017: June 5-9, 2017, Krabi, Thailand. editor / Virach Sornlertlamvanich ; Petchporn Chawakitchareon ; Aran Hansuebsai ; Chawan Koopipat ; Yasushi Kiyoki ; Hannu Kangassalo ; Bernhard Thalheim ; Naofumi Yoshida. Sirindhorn International Institute of Technology, Thammasat University, Thailand, 2017. pp. 444-451

Ketonen-Oksi, Sanna. / **Re-inventing organizational creativity and innovation through adopting a service-based working culture.** Integrating Art and Creativity into Business Practice. IGI Global, 2016. pp. 1-20

Nisula, Karoliina ; Pekkola, Samuli. / **Assessing business learning by analysing ERP simulation log files.** AIS SIGED 2016 Conference on IS education and Research. : Dublin, Ireland, December 10-11, 2016. Dublin, 2016.

Devos, Mathieu ; Ometov, Aleksandr ; Mäkitalo, Niko ; Aaltonen, Timo ; Andreev, Sergey ; Koucheryavy, Yevgeni. / **D2D communications for mobile devices: Technology overview and prototype implementation.** 8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE, 2016. pp. 124-129

Galinina, Olga ; Turlikov, Andrey ; Andreev, Sergey ; Koucheryavy, Yevgeni. / **Improving reliability of replicated message delivery in cellular machine-type communications.** 2016 8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE, 2016. pp. 106-110

Ranta, Valtteri ; Aarikka-Stenroos, Leena ; Mäkinen, Saku. / **Business models in the circular economy: a structured multiple-case analysis.** Proceedings of ISPIM Innovation Summit, Kuala Lumpur, Malaysia. The International Society for Professional Innovation Management (ISPIM): 4-7 December 2016. 2016.

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

Lampio, Kaj ; Karvinen, Reijo. / **Multi-Objective Optimization of Fin Array Heat Sinks.** Thermic 2016: 22nd international workshop Thermal investigations of ICs and Systems. IEEE, 2016.

Kekonen, Atte ; Bergelin, Mikael ; Eriksson, Jan-Erik ; Ylänen, Heimo ; Kielosto, Sami ; Viik, Jari. / **Bioimpedance measurement system for evaluation of the status of wound healing.** 2016 15th Biennial Baltic Electronics Conference (BEC). IEEE, 2016. pp. 175-178

Collin, Jussi ; Perttula, Arto ; Parviainen, Jussi ; Racko, Jan ; Brida, Peter. / **Pedestrian Dead Reckoning with Particle Filter for Handheld Smartphone.** 2016 International Conference on Indoor Positioning and Indoor Navigation (IPIN). IEEE, 2016.

Systä, Kari ; Vuori, Matti ; Järvinen, Hannu-Matti ; Ahtee, Tero ; Sten, Harri. / **Project types and industrial collaboration in project-based learning.** Proceedings of SEFI 2016 annual conference. editor / Hannu-Matti Järvinen ; Robin Clark. Tampere / Brussels : European Society for Engineering Education SEFI, 2016.

Lohan, Elena-Simona ; Kauppinen, Tomi ; Debnath, Sree Bash Chandra. / **A Survey of People Movement Analytics Studies in the Context of Smart Cities**. Proceedings of the FRUCT'19. 2016. pp. 151-158

Holopainen, Sami ; Kouhia, Reijo . / **Continuum approach for modeling fatigue in amorphous glassy polymers. Applications to the investigation of damage mechanisms in polycarbonate**.

Petrov, Vitaly ; Pyattaev, Alexander ; Moltchanov, Dmitri ; Koucheryavy, Yevgeni. / **Terahertz band communications: Applications, research challenges, and standardization activities**. 2016 8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE, 2016. pp. 1-8

Tamminen, Pasi ; Viheriäkoski, Toni. / **Charged cable-system ESD event**. 2016 38th Electrical Overstress/Electrostatic Discharge Symposium (EOS/ESD). IEEE, 2016.

Viheriäkoski, Toni ; Kärjä, Eira ; Hillberg, Jukka ; Tamminen, Pasi. / **Charge relaxation of slowly dissipative polymers**. 2016 38th Electrical Overstress/Electrostatic Discharge Symposium (EOS/ESD). IEEE, 2016. pp. 1-9

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

Gudkova, Irina ; Markova, Ekaterina ; Masek, Pavel ; Andreev, Sergey ; Hosek, Jiri ; Yarkina, Natalia ; Samouylov, Konstantin ; Koucheryavy, Yevgeni. / **Modeling the utilization of a multi-tenant band in 3GPP LTE system with Licensed Shared Access**. 2016 8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE, 2016. pp. 119-123

Amiot, Caroline G. ; Ryczkowski, Piotr ; Aalto, Antti ; Toivonen, Juha ; Genty, Goëry. / **Mid-Infrared Sources for Ultra-Broadband Cavity Enhanced Spectroscopy**. Frontiers in Optics 2016. OSA, 2016.

Moilanen, Carolina ; Björkqvist, Tomas ; Ovaska, Markus ; Koivisto, Juha ; Miksic, Amandine ; Engberg, Birgitta ; Salminen, Lauri ; Saarenrinne, Pentti ; Alava, Mikko. / **Modelling and Simulation of Radial Spruce Compression to Optimize Energy Efficiency in Mechanical Pulping**. 2016 International Mechanical Pulping (IMPC) Conference Proceedings, Monday, September 26 - Wednesday, September 28, Jacksonville, Florida, USA. USA : TAPPI, 2016. pp. 53-70

Jussila, Jari ; Helander, Nina ; Vuori, Vilma ; Okkonen, Jussi. / **Sosiaalinen media brändi- ja asiakastiedon lähteenä**. TiedeAreena 2016. editor / Pauliina Tuomi. Vol. 11 Pori : Tampereen teknillinen yliopisto, Porin laitos, 2016. pp. 55-56

Myllykoski, Tuomas ; Pohjolainen, Seppo ; Ali-Löytty, Simo. / **Students' Use of Learning Tools and Tool Types : Solving Self-Study Assignments on an Online Platform**. SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation. European Society for Engineering Education SEFI, 2016.

Joutsenlahti, Jorma ; Ali-Löytty, Simo ; Pohjolainen, Seppo. / **Developing Learning and Teaching in Engineering Mathematics with and without Technology**. SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation. European Society for Engineering Education SEFI, 2016.

Laine, Katja ; Sipilä, Erja ; Anderson, Marjut ; Sydänheimo, Lauri. / **Electronic Exam in Electronics Studies**. SEFI Annual Conference 2016: Engineering Education on Top of the World: Industry University Cooperation. 2016.

Rekola, Jenni ; Suntio, Teuvo. / **Implementing of Activating Learning Strategy for a Course on Electric Drives**. SEFI 2016 Annual Conference Proceedings: Implementing of Activating Learning Strategy for a Course on Electric Drives. European Society for Engineering Education SEFI, 2016. pp. 1-8

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

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

Järvinen, Hannu-Matti ; Mikkonen, Tommi. / **Industrial impact on topics and types of Master's theses : Empirical study of software engineering theses made in 1990-2016**. Proceedings of SEFI 2016 Annual Conference. editor / Hannu-Matti Järvinen ; Robin Clark. European Society for Engineering Education SEFI, 2016.

Ketola, Susanna ; Sipilä, Erja ; Pajarre, Eila ; Takala, Jarmo. / **New introductory courses and teacher tutoring : Keys to an efficient beginning for university studies in engineering**. SEFI Annual Conference 2016: Engineering Education on Top of the World: Industry University Cooperation. 2016.

Kuula, P. H. ; Leppänen, M. M. ; Penttilä, M. E. / **Towards better learning by increased student engagement**. Proceedings of the 44th SEFI Annual Conference 2016: 12th-15th September 2016, Tampere, Finland. editor / Tiina Niemi ; Hannu-Matti Järvinen. Tampere : European Society for Engineering Education SEFI, 2016.

Komar, Maria ; Edelev, Sviatoslav ; Koucheryavy, Yevgeni. / **Handheld wireless authentication key and secure documents storage for the Internet of Everything**. 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, 2016. pp. 120-130

Orsino, Antonino ; Ometov, Aleksandr. / **Validating information security framework for offloading from LTE onto D2D links**. 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, 2016. pp. 241-247

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

Valenti, Michele ; Diment, Aleksandr ; Parascandolo, Giambattista ; Squartini, Stefano ; Virtanen, Tuomas. / **DCASE 2016 Acoustic Scene Classification Using Convolutional Neural Networks**. Proceedings of the Detection and Classification of Acoustic Scenes and Events 2016 Workshop (DCASE2016). Tampere University of Technology. Department of Signal Processing, 2016.

Pertilä, Pasi ; Brutti, Alessio. / **Increasing the environment-awareness of rake beamforming for directive acoustic sources**. 15th International Workshop on Acoustic Signal Enhancement (IWAENC). 2016.

Machado, Marcelo A. ; Magnier-Watanabe, Remy ; Peltola, Tero. / **Capturing knowledge from research projects: From project reports to storytelling**. 2016 Portland International Conference on Management of Engineering and Technology (PICMET). IEEE, 2016. pp. 2048-2057

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

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

Valmari, Antti ; Kaarakka, Terhi. / **MathCheck: a tool for checking math solutions in detail**. SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation. European Society for Engineering Education SEFI, 2016.

Kangas, Jari ; Lunden, Olli-Pekka. / **Strengthening student engagement by integrating the contents of a flipped course around a well-confined real life theme**. SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation. 2016.

Santinha, João ; Gupta, Abhishekh ; Martins, Leonardo ; Annala, Teppo ; Häkkinen, Antti ; Mora, Andre ; Lloyd-Price, Jason ; Ribeiro, Andre ; Oliveira, Samuel M D ; Fonseca, Jose Ribeiro. / **icellfusion : Tool for fusion and analysis of live-cell images from time-lapse multimodal microscopy**. Biometrics: Concepts, Methodologies, Tools, and Applications. IGI Global, 2016. pp. 806-834

Vainio, Teija ; Walsh, Tanja. / **Learning Maths with mobiles : Cross-cultural design of technology with experiences in South-Africa and Finland**. Blended Learning: Concepts, Methodologies, Tools, and Applications. Vol. 4 IGI Global, 2016. pp. 741-759

Dumitrescu, M. ; Uusitalo, T. ; Virtanen, H. ; Laakso, A. ; Bardella, P. ; Montrosset, I. / **Simulation of photon-photon resonance enhanced direct modulation bandwidth of DFB lasers**. 16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE, 2016. pp. 147-148

Virtanen, Heikki ; Uusitalo, Topi ; Dumitrescu, Mihail. / **Simulation studies of DFB laser longitudinal structures for narrow linewidth emission**. 16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE, 2016. pp. 153-154

Uusitalo, Topi ; Virtanen, Heikki ; Dumitrescu, Mihail. / **Transverse structure optimization of laterally-coupled ridge waveguide DFB lasers**. 16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE, 2016. pp. 79-80

Silverajan, Bilhanan ; Vajaranta, Markku ; Kolehmainen, Antti. / **Home Network Security: Modelling Power Consumption to Detect and Prevent Attacks on Homenet Routers**. Proceedings of the 11th Asia Joint Conference on Information Security (AsiaJCIS 2016), Fukuoka, Japan, August 4-5, 2016. IEEE, 2016. pp. 9-16

Vajaranta, Markku ; Kannisto, Joonas ; Harju, Jarmo. / **Implementation Experiences and Design Challenges for Resilient SDN Based Secure WAN Overlays**. 2016 11th Asia Joint Conference on Information Security (AsiaJCIS). IEEE, 2016. pp. 17-23

Nurmi, Juha ; Kannisto, Joonas ; Vajaranta, Markku. / **Observing Hidden Service Directory Spying with a Private Hidden Service HoneyNet**. Proceedings of the 11th Asia Joint Conference on Information Security (AsiaJCIS 2016), Fukuoka, Japan, August 4-5, 2016. 2016. pp. 55-59

Nenonen, Suvi ; Rahtola, Riikka ; Kojo, Inka . / **Third places and user preferences – affordances in the cities**. Proceedings of CFM's Second Nordic Conference: Facilities Management Research and Practice;: 29-30 AUGUST 2016, Denmark. editor / Per Anker Jensen. 2016. pp. 17-25

Saari, Ulla ; Mäkinen, Saku . / **Study on the capability to measure stakeholders' brand experiences with a consumer-centric measurement framework**. Global Marketing Conference Proceedings 2016 Hong Kong, July 21 - 24: Track: Stakeholders-brand Relationships. 2016. pp. 1034-1035 (Proceedings of the Global Marketing Conference).

Helander, Nina ; Myllylä, Marjatta. / **Teoriaa ja kokemuksia arvioinnista MOOCien aikakaudella**. In: TAMPEREEN AMMATTIKORKEAKOULUN JULKAISUJA. SARJA B, RAPORTTEJA. 2016 ; pp. 70-77.

Suominen, Anu ; Mäenpää, Sari . / **Power bases in lead organization network governance form: a multi-level approach.** Paper presented at European Group for Organizational Studies Colloquium, .

Ala-Maakala, Mariikka ; Liimatainen, Heikki . / **Customer value management framework for supply chains.** The proceedings of 21st international symposium on logistics (ISL 2016): Sustainable transport and supply chain innovation, Kaohsiung, Taiwan 3-6 July 2016. editor / Kulwant Pawar. 2016. pp. 447-456

Sorokin, M. ; Strokina, N. ; Eerola, T. ; Lensu, L. ; Karttunen, K. ; Kalviainen, H. / **Image-based characterization of the pulp flows.** In: Pattern Recognition and Image Analysis. 2016 ; Vol. 26, No. 3. pp. 630-637.

Goncalves, Nadia S.M. ; Martins, Leonardo ; Tran, Huy ; Oliveira, Samuel M.D. ; Neeli-Venkata, Ramakanth ; Fonseca, Jose ; Ribeiro, Andre S. / **In vivo single-molecule dynamics of transcription of the viral T7 Phi 10 promoter in Escherichia coli.** The 8th International Conference on Bioinformatics, Biocomputational Systems and Biotechnologies (BIOTECHNO2016). IARIA, 2016. pp. 9-15

Ribeiro, Andre ; Oliveira, Samuel. / **Using a synthetic probe to study the robustness of the segregation process of protein aggregates in Escherichia coli.** The 8th International Conference on Bioinformatics, Biocomputational Systems and Biotechnologies (BIOTECHNO2016). IARIA, 2016. pp. 21-22

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

Huuhka, Satu . / **Demolished buildings : Empirical evidence on types, ages and construction materials.** CESB16 - Central Europe towards Sustainable Building 2016: Innovations for Sustainable Future, June 22-24, 2016, Prague. editor / Petr Hajek ; Jan Tywoniak ; Antonin Lupisek ; Katerina Sojkova. Prague : Czech Technical University in Prague, 2016. pp. 1105-1112

Huuhka, Satu . / **Demolition Rates of Buildings with Different Functions and Construction Materials.** YRSB16 - iiSBE Forum of Young Researchers in Sustainable Building 2016: Innovations for Sustainable Future June 21, 2016, Prague. editor / Julie Zelezna ; Petr Hajek ; Jan Tywoniak ; Antonin Lupisek ; Katerina Sojkova. Prague : Czech Technical University in Prague, 2016. pp. 301-307

Mäenpää, Sari ; Suominen, Anu ; Breite, Rainer . / **Knowledge integration method development for multi-stakeholder innovation.** Proceedings of The XXVII ISPIM Conference 2016 Porto, Portugal - 19-22 June 2016 : Blending Tomorrow's Innovation Vintage. 2016.

Saari, Ulla A. ; Mäkinen, Saku J. / **Exploring how brand experience measurement could be used for integrating marketing and R&D.** XXVII ISPIM Innovation Conference 2016: Porto, 19-22 June, 2016. 2016.

Aarikka-Stenroos, Leena ; Peltola, Tero ; Rikkiev, Andrei ; Saari, Ulla. / **Multiple facets of innovation and business ecosystem research: the foci, methods and future agenda.** XXVII ISPIM Innovation Conference 2016: Porto, 19-22 June, 2016. 2016. pp. 1-33

Michele Felicetti, Alberto ; Ammirato, Salvatore ; Raso, Cinzia ; Aramo-Immonen, Heli ; Jussila, Jari . / **Being a start-upper in Italy : Motivations, obstacles and success factors.** Proceedings of the 11th forum on knowledge asset dynamics: Towards a new architecture of knowledge: big data, culture and creativity. Dresden, 2016. pp. 1370-1383

Stormi, Kati ; Laine, Teemu ; Suomala, Petri . / **Customer lifetime value in manufacturing services.** Proceedings of the Manufacturing Accounting Research Conference 2016: Lisbon, Portugal, June 15-17, 2016. Belgium : European Institute for Advanced Studies in Management EIASM, 2016.

Jussila, Jari ; Aramo-Immonen, Heli ; Rouvari, Olli ; Porkka, Pasi ; Ammirato, Salvatore. / **Does Strategic and Innovative Fit Indicate Smart Social Media use in a Company?.** 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, 2016. pp. 1973-1983

Tenucci, Andrea ; Laine, Teemu . / **Management accounting and new service development under servitization: literature review and case studies.** Proceedings of the Manufacturing Accounting Research Conference 2016: Lisbon, Portugal, June 15-17, 2016. 2016.

Saukkonen, Natalia ; Laine, Teemu ; Suomala, Petri . / **Management accounting in managerial work: engaging facts and feelings in decision making.** Proceedings of the Manufacturing Accounting Research Conference 2016: Lisbon, Portugal, June 15-17, 2016. European Institute for Advanced Studies in Management EIASM, 2016. (Proceedings of the Manufacturing Accounting Research Conference).

Haapanen, Jussi ; Krohns-Välimäki, Heidi ; Verho, Pekka. / **Improving the Situation Awareness of DSOs in Major Disturbances by Visualizing the State of Mobile Networks.** CIRED Workshop 2016. 2016.

Ketonen-Oksi, Sanna. / **Adapting service-based working culture as the key driver for organisational creativity and innovation.** 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. 2016.

Helander, Nina ; Okkonen, Jussi ; Vuori, Vilma ; Paavilainen, Niina ; Kujala, Johanna. / **Enablers and Restraints of Knowledge Work – Does profession make a difference?.** 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. 2016. pp. 40-52

Burd, S.C. ; Leinonen, T. ; Penttinen, J.P. ; Allcock, D.T.C. ; Slichter, D.H. ; Srinivas, R. ; Wilson, A.C. ; Guina, M. ; Leibfried, D. ; Wineland, D.J. / **Single-frequency 571nm VECSEL for photo-ionization of magnesium.** Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) VI. Vol. 9734 San Francisco : SPIE, 2016. (SPIE Conference Proceedings).

Róg, Tomasz ; Orłowski, Adam ; Llorente, Alicia ; Skotland, Tore ; Sylvänne, Tuulia ; Kauhanen, Dimple ; Ekroos, Kim ; Sandvig, Kirsten ; Vattulainen, Ilpo. / **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.** In: Data in Brief. 2016 ; Vol. 7. pp. 1171-1174.

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

Huttunen, Heikki ; Shokrollahi Yancheshmeh, Fatemeh ; Chen, Ke. / **Car Type Recognition with Deep Neural Networks.** 2016 IEEE Intelligent Vehicles Symposium, IV 2016. IEEE, 2016. pp. 1115-1120

Ritala, Paavo ; Aarikka-Stenroos, Leena. / **Disruptive innovation in ecosystems: Path-creation and institutional barriers.** 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, 2016. pp. 1-16

Lummi, Kimmo ; Rautiainen, Antti ; Järventausta, Pertti ; Heine, Pirjo ; Lehtinen, Jouni ; Hyvärinen, Markku. / **Electricity Distribution Network Tariffs - Present Practices, Future Challenges and Development Possibilities.** CIRED Workshop 2016. 2016.

Kulmala, Anna ; Repo, Sami. / **Handling exceptional situations in a distribution network congestion management algorithm .** CIRED Workshop 2016. Helsinki, Finland, 2016.

Wang, Yicheng ; Lan, Ruijun ; Mateos, Xavier ; Li, Jiang ; Pan, Yubai ; Suomalainen, Soile ; Härkönen, Antti ; Guina, Mircea ; Griebner, Uwe ; Petrov, Valentin. / **In-band-pumped mode-locked Ho:YAG ceramic laser at 2.1 μm .** 2016 Conference on Lasers and Electro-Optics (CLEO). IEEE, 2016. pp. 1-2

Nenonen, Sanna ; Vaittinen, Eija ; Martinsuo, Miia . / **Incremental service innovations in a manufacturing firm's delivery chain.** 23rd Innovation and Product Development Management Conference (IPDMC): Glasgow, U. K. June 12-14, 2016. 2016. (Innovation and Product Development Management Conference).

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

Vats, Shameek ; Rissanen, Marja . / **Parameters Affecting the Upcycling of Waste Cotton and PES/CO Textiles.** In: Recycling. 2016 ; Vol. 1, No. 1. pp. 166-177.

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

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

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

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

Saari, Arto (Editor) ; Huovinen, Pekka (Editor). / **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, 2016. 743 p. (Tampere University of Technology. Department of Civil Engineering. Construction Management and Economics. Report).

Nenonen, Suvi (Editor) ; Junnonen, Juha-Matti (Editor). / **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, 2016. 718 p. (Tampere University of Technology. Department of Civil Engineering. Construction Management and Economics. Report).

Jussila, Jari ; Boedeker, Mika ; Jalonen, Harri ; Helander, Nina . / **Social media analytics empowering marketing insight- A framework for analyzing affective experiences from social media content.** Paper presented at EMAC 2016, Oslo, Norway.

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

Fouladi, Arash ; Järvenhaara, Jani ; Filanovsky, Igor M. ; Tchamov, Nikolay T. / **A Variable Battery Supply DC-DC Buck Converter Designed for 45nm-CMOS Technology.** 2016 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), Vancouver, May 15-18, 2016.. 2016.

Filanovsky, I.M. ; Järvenhaara, J.K. ; Tchamov, N.T. / **On Moderate Inversion/Saturation Regions As Approximations to "Reconciliation" Model.** 2016 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), Vancouver, May 15-18, 2016. IEEE, 2016.

Raunio, Jukka-Pekka ; Ritala, Risto. / **Optimal operation of a QCS scanner in a paper machine based on the information of QCS and WIS measurements.** PaperCon 2016 Conference Proceedings -TAPPI. Cincinnati, USA : TAPPI, 2016. pp. 1-11

Passinmäki, Pekka . / **Architecture beyond signs and symbols : Zumthor's response to the problems of aesthetics.** In: ARQ-Architectural Research Quarterly. 2016 ; Vol. 19, No. 4. pp. 325-328.

Habib, Muhammad ; Hussain, Ayyaz ; Rasheed, Saqib ; Ali, Mubashir. / **Adaptive fuzzy inference system based directional median filter for impulse noise removal.** In: AEU International Journal of Electronics and Communication. 2016 ; Vol. 70, No. 5. pp. 689-697.

Vaittinen, Eija ; Martinsuo, Miia ; Nenonen, Sanna . / **Enhancing the acceptance of advanced services among users of complex systems.** Servitization: Shift, Transform, Grow: Proceedings of the Spring Servitization Conference, 16-17 May 2016 (SSC2016). editor / Tim Baines ; Dave Harrison ; Judy Zolkiewski. 2016. pp. 162-170

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

D'Ignazio, Marco ; Länsivaara, Tim . / **Strength increase below an old test embankment in Finland.** The 17th Nordic Geotechnical Meeting: Conference proceedings. Reykjavik : Icelandic Geotechnical Society, 2016. pp. 357-366

Pakkala, Toni ; Lemberg, Antti-Matti ; Lahdensivu, Jukka . / **The effect of climate change on the amount of wind driven rain on concrete facades.** Proceedings of the CIB World Building Congress 2016: Vol 2 : Environmental opportunities and challenges, Constructing commitment and acknowledging human experiences. editor / Matthijs Prins ; Hans Wamelink ; Bob Giddings ; Kihong Ku ; Manon Feenstra. Vol. 2 Tampere : Tampere University of Technology. Department of Civil Engineering, 2016. pp. 153-165

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

Vilmi, Pauliina ; Nelo, Mikko ; Voutilainen, Juha-Veikko ; Palosaari, Jaakko ; Pörhönen, Juho ; Tuukkanen, Sampo ; Jantunen, Heli ; Juuti, Jari ; Fabritius, Tapio. / **Fully printed memristors for a self-sustainable recorder of mechanical energy.** In: Flexible and Printed Electronics. 2016 ; Vol. 1, No. 2.

Bernhardt, Julia ; Helander, Nina ; Jussila, Jari ; Kärkkäinen, Hannu . / **Crowdsourcing in Business-to-Business Markets: A Value Creation and Business Model Perspective.** Encyclopedia of E-Commerce Development, Implementation, and Management. United States : IGI Global, 2016. pp. 933-943

Karimi, Nazanin ; Alberucci, Alessandro ; Virkki, Matti ; Priimägi, Arri ; Kauranen, Martti ; Assanto, Gaetano. / **Quenching nematicon fluctuations via photo-stabilization.** In: Photonics Letters of Poland. 2016 ; Vol. 8, No. 1. pp. 2-4.

Tiihonen, Juha ; Schramm, Andreas ; Kylänpää, Ilkka ; Rantala, Tapio. / **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, Turunen ; Leivo, Virpi ; Pekkonen, Maria ; Aaltonen, Anu ; Kiviste, Mihkel ; Haverinen-Shaughnessy, Ulla. / **Sisäympäristön laadun ja terveellisuuden arviointi energiaparannuskohteissa.** Sisäilmastoseminaari 2016, Sisäilmayhdistys raportti 34. SIY SISÄILMATIETO OY, 2016. pp. 13-18

Parrotta, Daniele ; Casula, Riccardo ; Penttinen, Jussi-Pekka ; Leinonen, Tomi ; Kemp, Alan ; Guina, Mircea ; Hastie, Jennifer. / **InGaAs-QW VECSEL emitting >1.300-nm via intracavity Raman conversion.** Vertical External Cavity Surface Emitting Lasers (VECSELs) VI. 2016. (Proceedings of SPIE).

Uusitalo, Topi ; Virtanen, Heikki ; Viheriälä, Jukka ; Salmi, Joel ; Aho, Antti T. ; Dumitrescu, Mihail. / **Difference frequency modulation of multi-section dual-mode lasers with nanoscale surface gratings**. SPIE Proceedings: Novel In-Plane Semiconductor Lasers XV. editor / Alexey A. Belyanin ; Peter M. Smowton. Vol. 9767 SPIE, 2016. (Proceedings of SPIE).

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

El-Khozondar, Hala ; El-Khozondar, Rifa ; Matter, Khaled ; Suntio, Teuvo. / **A review study of photovoltaic array maximum power point tracking algorithms**. In: Renewables: Wind, Water, and Solar. 2016 ; Vol. 3, No. 1.

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

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

Filippov, Valery ; Chamorovskii, Yuri K. ; Golant, Konstantin M. ; Vorotynskii, Andrei ; Okhotnikov, Oleg G. / **Optical amplifiers and lasers based on tapered fiber geometry for power and energy scaling with low signal distortion**. Proceedings of SPIE: Fiber Lasers XIII: Technology, Systems, and Applications. editor / John Ballato. Vol. 9728 SPIE, 2016. (SPIE conference proceedings).

Saarinen, Esa J. ; Lyytikäinen, Jari ; Ranta, Sanna ; Rantamäki, Antti ; Saarela, Antti ; Sirbu, Alexei ; Iakovlev, Vladimir ; Kapon, Eli ; Okhotnikov, Oleg G. / **A 1.5-W frequency doubled semiconductor disk laser tunable over 40 nm at around 745 nm**. Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) VI. Vol. 9734 SPIE, 2016. (Spie conference proceedings).

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

Kauppila, Petteri ; Kouhia, Reijo ; Ojanperä, Juha ; Saksala, Timo ; Sorjonen, Timo. / **A continuum damage model for creep fracture and fatigue analyses**. 21st European Conference on Fracture, ECF21, 20-24 June 2016, Catania, Italy. 2016. pp. 887-894 (Procedia Structural Integrity).

Vainio, Ville V. ; Pulkkinen, Antti. / **A follow-up case study of the relation of PLM Architecture, Maturity and Business processes**. 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, 2016. pp. 867-873 (IFIP Advances in Information and Communication Technology).

Stormi, Kati ; Laine, Teemu ; Korhonen, Tuomas . / **Agile methods in performance management system development process**. 10th Conference On New Directions In Management Accounting, Brussels, Belgium, December 14-16, 2016. 2016.

Van Mellaert, R. ; Mela, K. ; Tiainen, T. ; Heinisuo, M. ; Lombaert, G. ; Schevenels, M. / **A mixed-integer linear programming approach for global discrete size optimization of frame structures**. 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. Vol. 2 National Technical University of Athens, 2016. pp. 3395-3408

Alexandru, Rusu Casandra ; Lohan, Elena-Simona. / **Analysis of Real Mobility Records in Urban and Suburban Environments**. 26TH DAAAM International Symposium on Intelligent Manufacturing and Automation. DAAAM International, 2016. pp. 0688-0692

Alberucci, Alessandro ; Pannian, Jisha C. ; Slussarenko, Sergei ; Piccirillo, Bruno ; Santamato, Enrico ; Marrucci, Lorenzo ; Assanto, Gaetano. / **A new waveguiding mechanism based upon geometric phase**. Frontiers in Optics 2016. Optical Society of America (OSA), 2016.

Prudanov, Anton ; Tkachev, Sergey ; Golos, Nikolay ; Masek, Pavel ; Hosek, Jiri ; Fujdiak, Radek ; Zeman, Krystof ; Ometov, Aleksandr ; Bezzateev, Sergey ; Voloshina, Natalia ; Andreev, Sergey ; Misurec, Jiri. / **A trial of yoking-proof protocol in RFID-based smart-home environment**. Distributed Computer and Communication Networks - 19th International Conference, DCCN 2016, Revised Selected Papers. Vol. 678 Springer Verlag, 2016. pp. 25-34 (Communications in Computer and Information Science).

Kouhia, Reijo ; Holopainen, Sami ; Ottosen, Nils Saabye ; Matti, Ristinmaa ; Saksala, Timo . / **A unified lcf-hcf model based on continuum mechanics**. Paper presented at Nordic Seminar on Computational Mechanics, .4 p.

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

Salo, Kari ; Giova, Diana ; Mikkonen, Tommi. / **Backend infrastructure supporting audio augmented reality and storytelling**. 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, 2016. pp. 325-335 (Lecture Notes in Computer Science).

Ojala, Mika ; Mahlamäki, Tommi . / **Benefits of digitally guided buying in B2B markets**. 25th annual IPSERA Conference: Dortmund, Sunday 20 March - Wednesday 23 March 2016. Dortmund, 2016.

Sorri, Jaakko ; Heljo, Juhani ; Järventausta, Pertti ; Honkapuro, Samuli ; Harsia, Pirkko. / **Building Codes and Demand Response of Energy Use**. Proceedings of the CIB World Building Congress 2016: Volume IV: Understanding Impacts and Functioning of Different Solutions. editor / Suvi Nenonen ; Juha-Matti Junnonen. Vol. 4 Tampere University of Technology. Department of Civil Engineering, 2016. pp. 8-21

Haverinen-Shaughnessy, Ulla ; Pekkonen, Maria ; Turunen, Mari ; Aaltonen, Anu ; Leivo, Virpi. / **Building energy retrofits, occupant health and wellbeing**. CIB World Building Congress 2016 Proceedings : Volume 2 Environmental Opportunities and challenges - Constructing commitment and acknowledging human experiences. editor / Matthijs Prins ; Hans Wamelink ; Bob Giddings ; Kihong Ku ; Manon Feenstra. Vol. 2 Tampere University of Technology. Department of Civil Engineering, 2016. pp. 679-687

Kurvinen, Antti ; Sorri, Jaakko . / **Bus Transportation Accessibility - Does It Impact Housing Values?**. Proceedings of the CIB World Building Congress 2016: Understanding impacts and functioning of different solutions. editor / Suvi Nenonen ; Juha-Matti Junnonen. Vol. IV Tampere : Tampere University of Technology. Department of Civil Engineering, 2016. pp. 321-331

Nenonen, Suvi ; Eriksson, Robert ; Niemi, Olli ; Junghans, Antje ; Nielsen, Susanne Balslev ; Lindahl, Göran. / **Campus retrofitting (CARE) methodology: a way to co-create future learning environments**. Proceedings of the 20th CIB World Building Congress 2016: May 30-June 3, 2016, Tampere, Finland. 2016. pp. 738-749

Pulkkinen, Antti ; Huhtala, Petri ; Leino, Simo-Pekka ; Anttila, Juha Pekka ; Vainio, Ville V. / **Characterising the industrial context of engineering change management**. 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, 2016. pp. 618-627 (IFIP Advances in Information and Communication Technology).

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

Pyrhönen, Veli-Pekka ; Seppälä, Jari ; Salmenperä, Mikko. / **Computer-supported collaborative learning : Praxes in new cell-oriented configurable PC-classroom**. SEFI conference 2016: Engineering Education on Top of the World: Industry University Cooperation. 2016.

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

Keinänen, Marko ; Uotila, Ulrika ; Sorri, Jaakko ; Teriö, Olli ; Kähkönen, Kalle . / **Consensus building in the pre-design phase of building projects**. WBC16 Proceedings of the CIB World Building Congress 2016 Volume II : Environmental Opportunities and challenges, Constructing commitment and acknowledging human experiences. editor / Matthijs Prins ; Hans Wamelink ; Bob Giddings ; Kihong Ku ; Manon Feenstra. Vol. Volume II Tampere University of Technology. Department of Civil Engineering, 2016. pp. 561-572 (Tampere University of Technology. Department of Civil Engineering. Construction Management and Economics.).

Rautiainen, Antti ; Lummi, Kimmo ; Järventausta, Pertti ; Tikka, Ville ; Lana, Andrey. / **Control of Electric Vehicle Charging in Domestic Real Estates as Part of Demand Response Functionality**. Cired Workshop 2016. 2016.

Mäki, Antti-Juhana ; Kontunen, Anton ; Ryyänen, Tomi ; Verho, Jarmo ; Kreutzer, Joose ; Leikkala, Jukka ; Kallio, Pasi. / **Design and simulation of a thermal flow sensor for gravity-driven microfluidic applications**. IEEE 11th Annual International Conference on Nano/Micro Engineered and Molecular Systems (NEMS). IEEE, 2016. pp. 125-129

Salmisto, Alpo ; Keinänen, Marko ; Kähkönen, Kalle. / **Development of students' multidisciplinary collaboration skills by simulation of the design process**. Proceedings of the CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities.. Vol. 1 2016. pp. 348-360

Hokka, Mikko ; Mirow, Nikolas ; Nagel, Horst ; Vogt, Sebastian ; Kuokkala, Veli-Tapani. / **DIC measurements of the human heart during cardiopulmonary bypass surgery**. Conference Proceedings of the Society for Experimental Mechanics Series. Vol. 6 Springer New York LLC, 2016. pp. 51-59

Kärkkäinen, Hannu ; Silventoinen, Anneli. / **Different approaches of the PLM maturity concept and their use domains –analysis of the state of the art**. 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, 2016. pp. 89-102 (IFIP Advances in Information and Communication Technology).

Pannian, Jisha C. ; Alberucci, Alessandro ; Boardman, Allan ; Assanto, Gaetano. / **Diffraction compensation of finite beams in hyperbolic metamaterials**. Laser science 2016. Optical Society of America (OSA), 2016.

Narhi, Mikko ; Wetzel, Benjamin ; Billet, Cyril ; Merolla, Jean-Marc ; Toenger, Shanti ; Sylvestre, Thibaut ; Morandotti, Roberto ; Dias, Frédéric ; Genty, Goëry ; Dudley, John M. / **Direct Measurement of Temporal Rogue Waves Generated by Spontaneous Modulation Instability**. Frontiers in Optics 2016. Optical Society of America, 2016.

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

Niemelä, Pia ; Di Flora, Cristiano ; Helevirta, Martti ; Isomöttönen, Ville. / **Educating future coders with a holistic ICT curriculum and new learning solutions**. 7th International Multi-Conference on Complexity, Informatics and Cybernetics, IMCIC 2016 and 7th International Conference on Society and Information Technologies, ICSIT 2016. Vol. 2 IIIS, 2016. pp. 132-136

Viita, Jussi ; Junnonen, Juha-Matti. / **Empowerment in construction: a qualitative analysis of subcontractors' quality assurance**. 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, 2016. pp. 436-448

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

Holopainen, Sami. / **Evolution equations based approach for modeling of fatigue in amorphous glassy polymers. On the investigation of fatigue damage development in polycarbonate.** 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. editor / M. Papadrakakis ; V. Papadopoulos ; G. Stefanou ; V. Plevris . 2016. pp. 6675-6687

Hynynen, Ari . / **Extending Professional Fields. Architectural Research and Regional Development.** Proceedings of the CIB World Building Congress 2016.: Volume I - Creating built environments of new opportunities. editor / Kalle Kähkönen ; Marko Keinänen. Vol. I Tampere University of Technology. Department of Civil Engineering, 2016. pp. 372-383

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

Smith, Jarrod ; Kuokkala, Veli-Tapani ; Seidt, Jeremy ; Gilat, Amos. / **Full-Field Temperature and Strain Measurement in Dynamic Tension Tests on SS 304.** Dynamic Behavior of Materials, Volume 1: Proceedings of the 2016 Annual Conference on Experimental and Applied Mechanics. Springer International Publishing, 2016. pp. 37-44 (Conference proceedings of the Society for Experimental Mechanics).

Pluduma, Liene ; Freimanis, Edijs ; Gross, Karlis ; Koivuluoto, Heli ; Algate, Kent ; Haynes, David ; Vuoristo, Petri. / **Functionalizing Surface Electrical Potential of Hydroxyapatite Coatings.** 11th International Conference Medical Applications of Novel Biomaterials and Nanotechnology. Vol. 102 2016. pp. 12-17 (Advances in Science and Technology).

Porkka, Pasi L. / **Functional model for organisational and safety culture.** Chemical Engineering Transactions. Italian Association of Chemical Engineering AIDIC, 2016. pp. 907-912 (Chemical Engineering Transactions).

Hynynen, Ari . / **Future in wood? Timber construction in boosting local development.** In: European Spatial Research and Policy. 2016 ; Vol. 23, No. 1. pp. 127-139.

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

Tukiainen, A. ; Aho, A. ; Polojärvi, V. ; Ahorinta, R. ; Guina, M. / **High efficiency dilute nitride solar cells : Simulations meet experiments.** In: Journal of Green Engineering. 2016 ; Vol. 5, No. 3-4. pp. 113-132.

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

Matikainen, Ville ; Bolelli, Giovanni ; Koivuluoto, Heli ; Sassatelli, Paolo ; Lusvarghi, Luca ; Vuoristo, Petri. / **High-temperature sliding wear behaviour of thermally sprayed Cr3C2-based coatings.** Proceedings of The 17th Nordic Symposium on Tribology - NORDTRIB 2016. 2016.

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

Juuti, T. ; Kopra, M. J. ; Rättyä, Kaisu ; Lehtonen, Timo. / **How to benefit from learning logs in engineering education?.** 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, 2016.

Vasell, Tytti ; Vuolle, Maiju ; Petrulaitiene, Vitalija ; Nenonen, Suvi ; Jylhä, Tuuli. / **Identifying and measuring customer value - case multi-locational worker**. Research papers for EuroFM's 15th research symposium at EFMC2016: 8-9 June 2016 in Milan, Italy. editor / Susanne Nielsen ; Per Anker Jensen. EuroFM, 2016. pp. 143-151

Lahti, Johanna ; Lavonen, Juho ; Lahtinen, Kimmo ; Johansson, Petri ; Seppänen, Tarja ; Cameron, David C. / **Improved properties for packaging materials by nanoscale surface modification and ALD barrier coating**. TAPPI International Conference on Nanotechnology for Renewable Materials 2016. Vol. 2 TAPPI Press, 2016. pp. 684-706

Okun, Oleksandr ; Kravchenko, Yurii ; Korpinen, Leena. / **Influence of environmental conditions on EMF levels in a span of overhead transmission lines**. In: Progress in Electromagnetics Research C. 2016 ; Vol. 63. pp. 163-171.

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

Hukka, Jarmo J. ; Nyanchaga, Ezekiel Nyangeri ; Katko, Tapio S. / **Integrated urban water management, the green economy and institutional eco-innovations**. Proceedings of the CIB World Building Congress 2016: Volume III - Building up business operations and their logic. Shaping materials and technologies. editor / Arto Saari ; P. Huovinen. Tampere : Tampere University of Technology. Department of Civil Engineering, 2016. pp. 260-271

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

Rundgren, Aatu ; Joutsenlahti, Jorma ; Mäkinen, Jari. / **Is languaging experienced to improve understanding of structural mechanics?**. 44th SEFI 2016 Annual Conference: 12-15 September 2016 in Tampere, Finland. 2016.

Lehtonen, T. ; Juuti, T. ; Vanhatalo, M. ; Kopra, M. J. ; Rättyä, Kaisu. / **Leadership instead of grading - The new goals of assessment**. 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, 2016.

Olsson, Thomas ; Väätäjä, Heli ; Ihämäki, Heli ; Jaana, Olsson ; Länsisalo, Mirkka ; Veera, Uusoksa ; Lehto-Lunden, Tiina. / **Lean Software Design, Lean Education? Lessons from a Collaborative University-Industry Seminar**. SEFI'16 - 44th Annual Conference of the European Society for Engineering Education. European Society for Engineering Education SEFI, 2016.

Takala, Annina. / **Learning for sustainable water and sanitation services**. Proceedings of the 8th International Conference on Engineering Education for Sustainable Development (Bruges, 4-7 September 2016) : Building a circular economy together. editor / B. Mazijn. Brugge : Instituut vóór Duurzame Ontwikkeling vzw, 2016. pp. 250-258

Laudyn, Urszula A. ; Kwaśny, Michał ; Jung, Paweł S. ; Trippenbach, Marek ; Assanto, Gaetano ; Karpierz, Mirosław A. / **Linear and nonlinear light beam propagation in chiral nematic liquid crystal waveguides**. In: Photonics Letters of Poland. 2016 ; Vol. 8, No. 1. pp. 11-13.

Heikkilä, Jussi ; Jääskeläinen, Aki ; Thitz, Otto. / **Long-term effects of purchasing: fact or fiction?**. Proceedings of 25th IPSEERA 2016 conference, 20-23.3.2016, Dortmund, Germany. . International Purchasing and Supply Education and Research Association IPSEERA, 2016.

Lappalainen, Kari ; Valkealahti, Seppo. / **Mathematical Parametrisation of Irradiance Transitions Caused by Moving Clouds for PV System Analysis**. 32nd European Photovoltaic Solar Energy Conference and Exhibition (32nd EU PVSEC), 20-24 June, 2016, Munich, Germany . 2016. pp. 1485-1489

Mutanen, Antti ; Niska, Harri ; Järventausta, Pertti. / **Mining smart meter data - Case Finland**. CIRED Workshop 2016. Institution of Engineering and Technology, 2016.

Teriö, Olli ; Hämäläinen, Jari ; Uotila, Ulrika ; Sorri, Jaakko ; Saari, Arto . / **Moisture and building processes in Finland**. 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).. editor / Kalle Kähkönen ; Marko Keinänen. Vol. I Tampere : Tampere University of Technology. Department of Civil Engineering, 2016. pp. 907-917

Rasilo, Paavo ; Aydin, Ugur ; Singh, Deepak ; Martin, Florian ; Kouhia, Reijo ; Belahcen, Anouar ; Arkkio, Antero. / **Multiaxial magneto-mechanical modelling of electrical machines with hysteresis**. Proceedings of the 8th IET International Conference on Power Electronics, Machines and Drives, PEMD 2016. IET, The Institution of Engineering and Technology, 2016.

Yli-Kaakinen, Juha ; Renfors, Markku ; Tuomivaara, Hannu. / **Multicarrier modulation for HF communications**. 2016 International Conference on Military Communications and Information Systems (ICMCIS) . IEEE, 2016.

Lahti, Johanna. / **Nanoscale barrier coating on BOPP packaging film by ALD**. TAPPI PLACE Conference 2016: Exploring New Frontiers. TAPPI Press, 2016. pp. 493-505

Behailu, Beshah M. ; Mattila, Harri. / **Need of Services and Understanding of Service Providers in Water and Sanitation: A Case of Ethiopia**. Proceedings of the CIB World Building Congress 2016 Volume IV: Understanding impacts and functioning of different solutions. editor / Suvi Nenonen ; Juha-Matti Junnonen. Tampere University of Technology, 2016. pp. 431-440

Kurki, Vuokko. / **Negotiating water governance: towards cooperation in contentious groundwater recharge projects**. Proceedings of the CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities. Tampere University of Technology. Department of Civil Engineering, 2016. pp. 91-102

Virtanen, Juho-Pekka ; Hyypä, Hannu ; Ståhle, Pirjo ; Kalliokoski, Sami ; Kähkönen, Kalle E. ; Ahlavuo, Marika ; Launonen, Pentti ; Hyypä, Juha ; Kukko, Antero ; Julin, Arttu. / **New value chains to construction: advancing products and services**. Proceedings of the 20th CIB World Building Congress 2016: Advancing products and services. editor / Nebil Achour. Vol. V Tampere University of Technology. Department of Civil Engineering, 2016. pp. 954-965

Alberucci, Alessandro ; Piccardi, Armando ; Kravets, Nina ; Buchnev, Oleksander ; Pannian, Jisha C. ; Assanto, Gaetano. / **Nonperturbative nonlinear optics in liquid crystals**. Laser science 2016. Optical Society of America (OSA), 2016.

Humaloja, Jukka-Pekka ; Hämäläinen, Timo ; Pohjolainen, Seppo. / **On Detecting the Shape of an Unknown Object in an Electric Field**. Progress in Industrial Mathematics at ECMI 2014. editor / G. Russo ; V. Capasso ; G. Nicosia ; V. Romano. Springer International Publishing, 2016. (Mathematics in Industry).

Harmanen, Juhana ; Mikkonen, Tommi. / **On Polyglot Programming in the Web**. Modern Software Engineering Methodologies for Mobile and Cloud Environments. IGI Global, 2016. pp. 102-119

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

Kostiainen, Emma ; Nenonen, Suvi. / **Perspective of Social Usability in the Change Processes of an Academic Workplace**. 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, 2016. pp. 688-701

Pohjola, Jari ; Turunen, Jari ; Lipping, Tarmo ; Ikonen, Ari T.K. / **Probabilistic Framework for Modelling the Evolution of Geomorphic Features in 10,000-Year Time Scale: The Eurajoki River Case**. Geospatial Data in a Changing World: Selected papers of the 19th AGILE Conference on Geographic Information Science. Springer Verlag, 2016. pp. 369-382 (Lecture Notes in Geoinformation and Cartography).

Jaakkola, Hannu (Editor) ; Thalheim, Bernhard (Editor) ; Kiyoki, Yasushi (Editor) ; Yoshida, Naofumi (Editor). / **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, 2016. (Tampere University of Technology, Pori Department Publications).

Virtanen, Tuomas (Editor) ; Mesaros, Annamaria (Editor) ; Heittola, Toni (Editor) ; Plumbley, Mark D. (Editor) ; Foster, Peter (Editor) ; Benetos, Emmanouil (Editor) ; Lagrange, Mathieu (Editor). / **Proceedings of the Detection and Classification of Acoustic Scenes and Events 2016 Workshop (DCASE2016)**. Tampere University of Technology. Department of Signal Processing, 2016. 119 p.

Markkula, Joni ; Vilppo, Olli ; Järventausta, Pertti ; Hakala, Tomi ; Lähdeaho, Tommi. / **Profitability of different li-ion batteries as back-up power in LVDC distribution network**. CIREC Workshop 2016. 2016.

Startceva, Sofia ; Chandraseelan, Jerome Geoffrey ; Visa, Ari ; Ribeiro, Andre S. / **Quantitative Estimation of Long-living Fluorescent Molecules from Temporal Fluorescence Intensity Data Corrupted by Nonzero-mean Noise**. 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, 2016. pp. 17-24

Narhi, Mikko ; Wetzel, Benjamin ; Billet, Cyril ; Merolla, Jean-Marc ; Toenger, Shanti ; Sylvestre, Thibaut ; Morandotti, Roberto ; Genty, Goëry ; Dias, Frederic ; Dudley, John M. / **Real Time Measurements of Temporal Rogue Waves and Spontaneous Modulation Instability in Optical Fiber**. CLEO: QELS_Fundamental Science 2016. Optical Society of America, 2016.

Jaakkola, Hannu ; Thalheim, Bernhard. / **Recognising the culture context in information search**. Proceedings of the 26th International Conference on Information Modelling and Knowledge Bases - EJC 2016. : June 6-10, 2016, Tampere, Finland. . editor / Hannu Jaakkola ; Bernhard Thalheim ; Yasushi Kiyoki ; Naofumi Yoshida. Vol. 18 Tampere : Tampere University of Technology Pori Department, 2016. pp. 167-185 (Tampere University of Technology Pori Department Publications; 18).

Kölliö, Arto ; Lahdensivu, Jukka ; Pentti, Matti. / **Reinforcement Corrosion Modelling in Renovation Strategy for Concrete Facades**. 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, 2016. pp. 199-211

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

Bragadin, Marco A. ; Kähkönen, Kalle. / **Resource – Space Charts for Construction Workspace Scheduling**. 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, 2016. pp. 677-688

Kumpulainen, Lauri ; Kauhaniemi, Kimmo ; Repo, Sami ; Valkealahti, Seppo ; Honkapuro, Samuli ; Partanen, Jarmo ; Koivisto-Rasmussen, Raija ; Järventausta, Pertti. / **Roadmap towards the vision of the future power system and electricity market**. CIREC Workshop 2016. Institution of Engineering and Technology, 2016.

Naaranoja, Marja ; Kähkönen, Kalle ; Keinänen, Marko. / **Role of Power and Sense Making in the Briefing of a Small Renovation Project**. Proceedings of the CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities. Tampere University of Technology. Department of Civil Engineering, 2016. pp. 611-621

Pietilä, Pekka ; Arvonen, Vesa ; Katko, Tapio. / **Role of Water Cooperatives in Water Service Production - Lessons from Finland and Denmark**. Proceedings of the 20th CIB World Building Congress 2016: May 30 – June 3, 2016 Tampere Finland. editor / Nebil Achour. Vol. V Tampere University of Technology, 2016. pp. 1152-1161

Saarnisaari, Harri ; Hovinen, Veikko ; Tuomivaara, Hannu ; Yli-Kaakinen, Juha. / **Short range HF radio channel measurements: Search for one path channels**. 2016 International Conference on Military Communications and Information Systems (ICMCIS) . 2016.

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

Ryczkowski, Piotr ; Barbier, Margaux ; Friberg, Ari Tapio ; Dudley, John M. ; Genty, Goëry. / **Single Shot Time Domain Ghost Imaging using Wavelength Multiplexing**. Frontiers in Optics 2016. Optical Society of America (OSA), 2016.

Hakkarainen, Teemu ; Tommila, Juha ; Schramm, Andreas ; Simonen, Janne ; Niemi, Tapio ; Strelow, Christian ; Kipp, Tobias ; Kontio, Juha ; Guina, Mircea. / **Site-controlled InAs Quantum Dots for Plasmonics**. Conference on Lasers and Electro-Optics 2016: QELS_Fundamental Science. OSA - The Optical Society, 2016.

Adavanne, Sharath ; Parascandolo, Giambattista ; Pertilä, Pasi ; Heittola, Toni ; Virtanen, Tuomas. / **Sound Event Detection in Multichannel Audio Using Spatial and Harmonic Features**. Proceedings of the Detection and Classification of Acoustic Scenes and Events 2016 Workshop (DCASE2016). Tampere University of Technology. Department of Signal Processing, 2016. pp. 6-10

Airo, Kaisa ; Vaara, Lauri ; Nenonen, Suvi. / **Spatial borders and affordances of a temporary school building – Enhancing the school engagement and learning experience**. 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, 2016. pp. 715-725

Mäkelä, Ari-Mikko ; Ali-Löytty, Simo ; Humaloja, Jukka-Pekka ; Joutsenlahti, Jorma ; Kauhanen, Janne ; Kaarakka, Terhi. / **STACK assignments in university mathematics education**. Proceedings of the 44th SEFI Conference, 12 - 15 September 2016, Tampere, Finland. European Society for Engineering Education SEFI, 2016.

Garifullin, M. R. ; Barabash, A. V. ; Naumova, E. A. ; Zhuvak, O. V. ; Jokinen, T. ; Heinisuo, M. / **Surrogate modeling for initial rotational stiffness of welded tubular joints**. In: Magazine of Civil Engineering. 2016 ; Vol. 63, No. 3. pp. 53-76.

Rantanen, Petri ; Sillberg, Pekka ; Soini, Jari ; Jaakkola, Hannu . / **Tag suggestions from social media profiles**. Proceedings of the 26th International Conference on Information Modelling and Knowledge Bases - EJC 2016. : June 6-10, 2016, Tampere, Finland. . editor / Hannu Jaakkola ; Bernhard Thalheim ; Yasushi Kiyoki ; Naofumi Yoshida. Vol. 18 Tampere : Tampere University of Technology, 2016. pp. 387-394 (Tampere University of Technology Pori Department Publications).

Hosseini, Seyyed Soheil Sadat ; Jamali, Mohsin M. ; Astola, Jaakko ; Gorsevski, Peter V. / **Target tracking via combination of particle filter and optimisation techniques**. In: International Journal of Mathematical Modelling and Numerical Optimization. 2016 ; Vol. 7, No. 2. pp. 212-229.

Jääskeläinen, Aki ; Thitz, Otto ; Heikkilä, Jussi . / **The role of the purchasing function in non-financial value creation**. 25th Proceedings of IPSERA 2016 conference, : 20-23.3.2016, Dortmund, Germany.. 2016.

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

Petrolaitiene, Vitalija ; Rytönen, Eelis ; Nenonen, Suvi. / **Towards responsive workspaces - identification of service paths for time-and-place independent work.** Proceedings of the 20th CIB World Building Congress 2016: May 30 – June 3, 2016 Tampere Finland. editor / Nebil Achour. Vol. V Tampere University of Technology, 2016. pp. 1141-1151

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

Turquet, L. ; Kauranen, M. ; Bautista, G. / **Use of high-order beams to calibrate spatial light modulators for microscopy.** 1 p.

Ilomets, Simo ; Kalamees, Targo ; Lahdensivu, Jukka. / **Validation of the method to evaluate the corrosion propagation stage by hygrothermal simulation.** CESB 2016 - Central Europe Towards Sustainable Building 2016: Innovations for Sustainable Future. Czech Technical University in Prague, 2016. pp. 1113-1120

Leivo, Virpi ; Aaltonen, Anu ; Turunen, Mari ; Du, Liuliu ; Kiviste, Mihkel ; Haverinen-Shaughnessy, Ulla. / **Ventilation rates and CO2-levels before and after energy retrofit in Finnish apartment buildings.** CLIMA 2016 - Proceedings of the 12th REHVA World Congress. Aalborg. Aalborg University. Department of Civil Engineering. : Volume 1. Building Retrofit. editor / Per Kvols Heiselberg. Vol. 1 Aalborg : Aalborg university, Department of Civil Engineering, 2016.

Nyuppieva, Ekaterina ; Laine, Teemu ; Lyly-Yrjänäinen, Jouni. / **Visual narratives in the value chain of new management accounting knowledge.** 10th Conference On New Directions In Management Accounting: Brussels, Belgium, December 14-16, 2016. 2016.

Müller, Philipp ; Raitoharju, Matti ; Ali-Löytty, Simo ; Wirola, Laura ; Piche, Robert. / **Обзор параметрических методов позиционирования на основе концепции отпечатка пальца.** In: Giroskopiya I Navigatsiya. 2016 ; Vol. 24, No. 1. pp. 3-35.

Tappura, Sari ; Hyytinen, Toni ; Kivistö-Rahnasto, Jouni ; Nenonen, Noora ; Vasara, Juha. / **Turvallisuuden johtajat - Esimiesten johtajuus, osaaminen ja sitoutuminen.** Tampere : Tampereen teknillinen yliopisto; Tampereen yliopisto, 2015. 144 p.

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

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

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

Seppänen, Marko ; Dedehayir, Ozgur ; Still, Kaisa ; Valkokari, Katri ; Suominen, Arho. / **Platform Competences to Enhance Network Effects in Business Ecosystems.** 2015 ISPIM Innovation Summit in Brisbane, Australia - 6-9 December 2015. International Society for Professional Innovation Management ISPIM, 2015.

Kuuliala, L. ; Pippuri, T. ; Hultman, J. ; Auvinen, S.-M. ; Kolppo, K. ; Nieminen, T. ; Karp, Matti ; Björkroth, J. ; Kuusipalo, J. ; Jääskeläinen, E. / **Preparation and antimicrobial characterization of silver-containing packaging materials for meat.** In: Food Packaging and Shelf Life. 2015 ; Vol. 6. pp. 53-60.

Bartsch, H. ; Himmerlich, M. ; Fischer, M. ; Demko, L. ; Hyttinen, J. ; Schober, A. / **LTCC-Based Multi-Electrode Arrays for 3D in Vitro Cell Cultures**. In: Journal of Ceramic Science and Technology. 2015 ; Vol. 6, No. 4. pp. 315-324.