

First principles prediction of the solar cell efficiency of chalcopyrite materials AgMX_2 (M=In, Al; X=S, Se, Te). / Dongho-Nguimdo, G. M.; Igumbor, Emmanuel; Zambou, Serges; Joubert, Daniel P.
In: Computational Condensed Matter, Vol. 21, e00391, 01.12.2019.
Research output: Contribution to journal > Article > Scientific > peer-review

Profile extraction and deep autoencoder feature extraction for elevator fault detection. / Mishra, Krishna; Krogerus, Tomi; Huhtala, Kalevi.
16th International Conference on Signal Processing and Multimedia Applications: SIGMAP 2019, 26-28 July, 2019, Prague, Czech Republic. ed. / Christian Callegari. Vol. 16 2019. ed. Prague, Czech Republic : SCITEPRESS, 2019. p. 313-320.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Empirical study of good, bad and ugly modular engineering solutions in machinery manufacturing industry. / Juuti, Tero; Pakkanen, Jarkko; Lehtonen, Timo.
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. p. 2981-2990 (Proceedings of the Design Society: International Conference on Engineering Design).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Actors' agency in the routines of innovation project portfolio management. / Martinsuo, Miia; Vuorinen, Lauri.
Proceedings of the EURAM European Academy of Management Conference 2019: 26-28 June 2019, Lisbon, Portugal. European Academy of Management, EURAM, 2019. (EURAM conference).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Diffusion of innovation : Case of co-design of cabins in mobile work machine industry. / Ellman, Asko; Tiainen, Tarja.
In: Computers, Vol. 8, No. 2, 39, 01.06.2019.
Research output: Contribution to journal > Article > Scientific > peer-review

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

Frequency Comb Generation in a Continuous-Wave Pumped Second-Order Nonlinear Waveguide Resonator. / Abdallah, Zeina; Stefszky, Michael; Ulvila, Ville; Silberhorn, Christine; Vainio, Markku.
2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE, 2019.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

High-Q resonance train in a plasmonic metasurface. / Saad-Bin-Alam, Md; Reshef, Orad; Huttunen, Mikko J.; Carlow, Graham; Sullivan, Brian; Menard, Jean Michel; Dolgaleva, Ksenia; Boyd, Robert W.
2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE, 2019.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Optical Frequency Comb Photoacoustic Spectroscopy. / Sadiq, Ibrahim; Mikkonen, Tommi; Vainio, Markku; Toivonen, Juha; Foltynowicz, Aleksandra.
2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE, 2019.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

A Semantic Meta-Model Repository for Lightweight M2M. / Silverajan, B.; Zhao, Hanning; Kamath, Arjun.
2018 IEEE International Conference on Communication Systems, ICCS 2018. IEEE, 2019. p. 468-472.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Muovipäällysteisten lattioiden vaurioituminen kosteuden vaikutuksesta. / Leivo, Virpi; Sarlin, Essi; Suonketo, Jommi; Pikkuvirta, Jussa; Pentti, Matti.
Sisäilmastoseminaari 2019: 14.3.2019 : Sisäilmayhdistys raportti 37. SIY SISÄILMATIETO OY, 2019. p. 383-388 (SIY Raportti; No. 37).

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

Large mode area double clad ytterbium tapered fiber with circular birefringency. / Rissanen, Joonas; Fedotov, Andrei; Noronen, Teppo; Gumenyuk, Regina; Chamorovskii, Yuri; Kolosovskii, Alexander; Voloshin, Victor; Vorobev, Igor; Odnoblyudov, Maxim; Filippov, Valery.

Proceedings of SPIE : Fiber Lasers XVI: Technology and Systems. ed. / Adrian L. Carter; Liang Dong. SPIE-INT SOC OPTICAL ENGINEERING, 2019. (Proceedings of SPIE; Vol. 10897).

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

Analysis of upconversion nanoparticles as an active medium for upconversion light sources. / Fedotov, Andrei; Pominova, Daria; Orlovskaya, Elena; Orlovskii, Yuri; Niemi, Tapio; Gumenyuk, Regina.

Proceedings of SPIE: Optical Components and Materials XVI. Vol. 10914 S P I E - International Society for Optical Engineering, 2019. 109140R (Proceedings of SPIE : the International Society for Optical Engineering; Vol. 10914).

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

Accurate impedance model of grid-connected inverter for small-signal stability assessment in high-impedance grid. / Messo, Tuomas; Roinila, Tomi; Aapro, Aapo; Luhtala, Roni.

In: IEEE JOURNAL OF INDUSTRY APPLICATIONS, Vol. 8, No. 3, 01.02.2019.

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

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

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

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

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

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

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

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

Optical Components and Materials XVI. ed. / Michel J. F. Digonnet; Shubin Jiang. SPIE, IEEE, 2019. 1091406 (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 10914).

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

A model for profiling information and knowledge management in the public sector. / Jääskeläinen, Aki; Sillanpää, Virpi; Helander, Nina.

Proceedings of 14th IFKAD 2019 conference: Matera, Italy, 5-7 June. . 2019. (Proceedings IFKAD).

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

Benchmarking of several disparity estimation algorithms for light field processing. / Zakeri, Faezeh Sadat; Bätz, Michel; Jaschke, Tobias; Keinert, Joachim; Chuchvara, Alexandra.

Fourteenth International Conference on Quality Control by Artificial Vision. ed. / Stephane Bazeille; Nicolas Verrier; Christophe Cudel. SPIE, IEEE, 2019. 111721C (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 11172).

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

Dynamics of value in technology inspired value co-creation: Case in homecare value network. / Tiitola, Vesa; Korhonen, Tuomas; Laine, Teemu; Lyly-Yrjänäinen, Jouni.

14th IFKAD 2019 Proceedings: 5-7 June 2019, Matera, Italy. IKAM Centro Studi & Ricerche, 2019. (PROCEEDINGS IFKAD).

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

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

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

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

Mean and variability in RNA polymerase numbers are correlated to the mean but not the variability in size and composition of Escherichia coli cells. / Almeida, Bilena; Chauhan, Vatsala; Kandavalli, Vinodh; Ribeiro, Andre.

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. ed. / Elisabetta De Maria; Hugo Gamboa; Ana Fred. SCITEPRESS, 2019. p. 226-233.

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

MECSELS with direct emission in the 760 nm to 810 nm spectral range : A single- and double-side pumping comparison and high-power continuous-wave operation. / Kahle, Hermann; Penttinen, Jussi Pekka; Phung, Hoy My; Rajala, Patrik; Tukiainen, Antti; Ranta, Sanna; Guina, Mircea.

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

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

Modelling the stressed skin effect by using shell elements with meta-material model. / Pajunen, S.; Hautala, J.; Heinisuo, M.

In: Magazine of Civil Engineering, Vol. 86, No. 2, 2019, p. 20-29.

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

Observation of local electroluminescent cooling and identifying the remaining challenges. / Radevici, Ivan; Sadi, Toufik; Tripurari, Tripathi; Tiira, Jonna; Ranta, Sanna; Tukiainen, Antti; Guina, Mircea; Oksanen, Jani.

Photonic Heat Engines: Science and Applications. ed. / Denis V. Seletskiy; Richard I. Epstein; Mansoor Sheik-Bahae. SPIE, IEEE, 2019. 109360A (Proceedings of SPIE - The International Society for Optical Engineering; Vol. 10936).

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

Random lasing control with optical spatial solitons in nematic liquid crystals. / Piccardi, Armando; Perumbilavil, Sreekanth; Kauranen, Martti; Strangi, Giuseppe; Assanto, Gaetano.

PHOTOPTICS 2019 - Proceedings of the 7th International Conference on Photonics, Optics and Laser Technology. ed. / Paulo Ribeiro; Maria Raposo; David Andrews. SCITEPRESS, 2019. p. 289-293.

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

Revisiting gray pixel for statistical illumination estimation. / Qian, Yanlin; Pertuz, Said; Nikkanen, Jarno; Kämäräinen, Joni-Kristian; Matas, Jiri.

VISIGRAPP 2019 - Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications. ed. / Andreas Kerren; Christophe Hurter; Jose Braz. SCITEPRESS, 2019. p. 36-46.

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

Smartphone teleoperation for self-balancing telepresence robots. / Ainasoja, Antti E.; Pertuz, Said; Kämäräinen, Joni-Kristian.

VISIGRAPP 2019 - Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications. ed. / Andreas Kerren; Christophe Hurter; Jose Braz. SCITEPRESS, 2019. p. 561-568.

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

Experimental moment resistance of rectangular hollow section T joints. / Garifullin, Marsel.

In: MATEC Web of Conferences, Vol. 245, 08003, 05.12.2018.

Research output: Contribution to journal › Conference article › Scientific › peer-review

Industrialization of hybrid and additive manufacturing-Implementation to Finnish industry (HYBRAM). / Riipinen, Tuomas; Kujanpää, Veli; Komi, Erin; Kilpeläinen, Pekka; Savolainen, Mikko; Puukko, Pasi; Vihinen, Jorma; Coatanea, Eric; Mokhtarian, Hossein.

VTT Technical Research Centre of Finland, 2018. 66 p. (Research Reports).

Research output: Book/Report › Commissioned report › Professional

Performance Enhancement Of Optimized Link State Routing Protocol For Health Care Applications In Wireless Body Area Networks. / Chetan Kumar, V.; Shiva Prakash, S. P.; Balandin, Sergey.

2018 23rd Conference of Open Innovations Association (FRUCT). IEEE, 2018. p. 195-203.

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

Tutkimuskatsaus: Uusia menetelmiä haavan paranemisen arviointiin ja seurantaan. / Kekonen, Atte; Bergelin, Mikael; Viik, Jari.

In: HAAVA, Vol. 20, No. 3, 20.10.2018, p. 30-32.

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

The Effects of Product Line Length on Firm Performance. / Kirjavainen, Johanna; Mäkinen, Saku; Sommarberg, Matti.

2018 Portland International Conference on Management of Engineering and Technology (PICMET). IEEE, 2018.

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

Social capital characteristics in RD project networks. / Majuri, Matti; Lanz, Minna.

2018 Portland International Conference on Management of Engineering and Technology (PICMET). IEEE, 2018. 8481775.

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

Technopreneurial Characteristics Rising from the Ashes of Creative Destruction. / Sommarberg, Matti; Mäkinen, Saku.

Proceedings in 2018 Portland International Conference in Management and Engineering (PICMET): (PICMET) 19-23 August 2018. IEEE, 2018. p. 1-10.

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

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

SMPTE 2018. SMPTE, 2018.

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

Long-term monitoring of acute wound healing from beneath the primary wound dressings. / Kekonen, Atte; Bergelin, Mikael; Eriksson, Jan-Erik; Vesa, Mikko; Johansson, Max; Viik, Jari.

2018 16th Biennial Baltic Electronics Conference (BEC). IEEE, 2018.

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

Glove-integrated slotted patch antenna for wearable UHF RFID reader. / Ahmed, Shahbaz; Musfequr Rehman, S. M.; Ukkonen, Leena; Björninen, Toni.

2018 IEEE International Conference on RFID Technology & Application (RFID-TA). IEEE, 2018.

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

Referenced backscattering compression level indicator based on passive UHF RFID tags. / Qureshi, Shoaib; Björninen, Toni; Virkki, Johanna.

2018 IEEE International Conference on RFID Technology & Application (RFID-TA). IEEE, 2018.

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

RF energy harvesting system with RFID-enabled charge storage monitoring. / Pournoori, Nikta; Khan, Waqas; Ukkonen, Leena; Björninen, Toni.

2018 IEEE International Conference on RFID Technology & Application (RFID-TA). IEEE, 2018.

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

Constrained Long-Horizon Direct Model Predictive Control for Synchronous Reluctance Motor Drives. / Ortombina, L.; Liegmann, E.; Karamanakos, P.; Tinazzi, F.; Zigliotto, M.; Kennel, R.

2018 IEEE 19th Workshop on Control and Modeling for Power Electronics, COMPEL 2018. IEEE, 2018. 8460173.

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

2D Video Coding of Volumetric Video Data. / Schwarz, Sebastian; Hannuksela, Miska M.; Fakour-Sevom, Vida; Sheikhi-Pour, Nahid.

2018 Picture Coding Symposium, PCS 2018 - Proceedings. IEEE, 2018. p. 61-65 8456265.

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

Evaluation of Median Root Prior for Robust In-Beam PET Reconstruction. / Us, Defne; Brzezinski, Karol; Buitenhuis, Tom; Dendooven, Peter; Ruotsalainen, Ulla.

In: IEEE Transactions on Radiation and Plasma Medical Sciences, Vol. 2, No. 5, 05.09.2018, p. 490-498.

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

Web User Interface Implementation Technologies: An Underview. / Taivalsaari, Antero; Mikkonen, Tommi; Systä, Kari; Pautasso, Cesare.

14th International Conference on Web Information Systems and Technologies. SCITEPRESS, 2018. p. 127-136.

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

Fabrication and Practical Evaluation of Glove-integrated Passive UHF RFID Tags. / Chen, X.; He, H.; Ukkonen, L.; Virkki, J.; Xu, J.; Wang, T.; Cheng, L.

2018 IEEE International Conference on RFID Technology Application (RFID-TA). IEEE, 2018.

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

Multi-site delamination analysis using virtual crack closure technique for a composite aircraft wing flap. / Jokinen, Jarno; Kanerva, Mikko; Saarela, Olli.

31st Congress of the International Council of the Aeronautical Sciences (Proceedings): Belo Horizonte, Brazil September 9-14, 2018. ICAS Press, 2018.

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

Nanocellulose as a Piezoelectric Material. / Tuukkanen, Sampo; Rajala, Satu.

Piezoelectricity - Organic and Inorganic Materials and Applications. InTech Open Access Publisher, 2018. p. 1-14.

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

Comparison of food frequency questionnaire data and shopping records for the assessment of food intake. / Kallonen, Antti; Nieminen, Hannu; Das, Soumya; Sallinen, Riitta.

Proceedings of Seventh International Conference on Well-Being in the Information Society: Fighting Inequalities (WIS 2018). 2018. p. 25-30 (TUCS Lecture Notes; Vol. 28).

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

Effect of radiation inside square hollow section under moderate non-symmetric fire. / Baczkiewicz, Jolanta; Pajunen, Sami; Heinisuo, Markku.

In: Fire Research, Vol. 2, No. 1, 2:42, 27.07.2018, p. 25-30.

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

Model-based cosimulation for industrial wireless networks. / Geng, Jing; Li, Honglei; Liu, Yanzhou; Liu, Yongkang; Kashef, Mohamed; Candell, Richard; Bhattacharyya, Shuvra S.

WFCS 2018 - 2018 14th IEEE International Workshop on Factory Communication Systems. IEEE, 2018. p. 1-10.

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

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

2018 IEEE International Energy Conference, ENERGYCON 2018. IEEE, 2018. p. 1-6.

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

Moving toward integrated solutions in project-based firms: Changes in sales practices. / Momeni, Khadijeh; Martinsuo, Miia.

Proceedings of EURAM18 European Academy of Management conference 2018. European Academy of Management, EURAM, 2018. (EURAM conference).

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

Systematic literature review on customer emotions in social media. / Madhala, Prashanth; Jussila, Jari; Aramo-Immonen, Heli; Suominen, Anu.

ECSM - Proceedings of the 5th European Conference on Social Media. ed. / Vincent Cunnane; Niall Corcoran. Limerick, Ireland, 2018.

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

Fabrication and reliability evaluation of passive UHF RFID T-shirts. / Chen, X.; He, H.; Ukkonen, L.; Virkki, J.; Lu, Y.; Lam, H.

2018 IEEE International Workshop on Antenna Technology, iWAT2018 - Proceedings. IEEE, 2018. p. 1-4.

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

Education on the utilization of secondary materials in earthworks. / Kuula, Pirjo; Leppänen, Minna; Kolisoja, Pauli; Korkiala-Tanttu, Leena; Sorvari, Jaana; Gustavsson, Henry.

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. ed. / Pentti Lahtinen; Ville Raasakka. RIL - Finnish Association of Civil Engineers, 2018. p. 177-187.

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

Technical suitability of the fine fraction of municipal solid waste incineration bottom ash to the landfill capping liner. / Leppänen, Minna; Sarkkila, J.; Hämäläinen, H.; Rinkinen, J.

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. ed. / V. Raasakka; P. Lahtinen. RIL - Finnish Association of Civil Engineers, 2018. p. 168-175.

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

Dual-frequency signal processing architecture for robust and precise positioning applications. / Bolla, Padma; Lohan, Elena-Simona.

2018 IEEE/ION Position, Location and Navigation Symposium, PLANS 2018. IEEE, 2018. p. 72-80.

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

Agency relationships in global project business. / Ahola, Tuomas; Stähle, Matias; Martinsuo, Miia.

Proceedings of EURAM18 European Academy of Management conference 2018. European Academy of Management, EURAM, 2018. (EURAM conference).

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

Industrial customers' organizational readiness for service innovations : Adopting data-based advanced services. / Martinsuo, Miia; Vaitinen, Eija.

Proceedings of the 25th Innovation and Product Development Management Conference. European Institute for Advanced Studies in Management, EIASM, 2018. (International Product Development Management Conference).

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

Intensity Interferometry of Supercontinuum Light. / Toenger, Shanti; Ahvenjärvi, Jani; Ryczkowski, Piotr; Genty, Goery.

Trends in Electromagnetic Coherence. ed. / 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; No. 32).

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

Lifecycle-oriented framing of value at the front end of infrastructure projects. / Martinsuo, Miia; Vuorinen, Lauri; Killen, Catherine; Laiti, Mihka.

Proceedings of EURAM18 European Academy of Management conference 2018. European Academy of Management, EURAM, 2018. (EURAM conference).

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

Requirements from industrial internet for innovations in advanced industrial services. / Martinsuo, Miia; Laurila, Fanni.

Proceedings of the 25th Innovation and Product Development Management Conference. European Institute for Advanced Studies in Management, EIASM, 2018. (International Product Development Management Conference).

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

Toward Manageable Data Sources. / Sillberg, Pekka.

EJC 2018: Proceedings of the 28th International Conference on Information Modelling and Knowledge Bases. ed. / Tatiana Endrjukaite; Hannu Kangassalo; Bernhard Thalheim; Yasushi Kiyoki. Transport and Telecommunication Institute, 2018. p. 485-494.

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

Re-use of engineering design rationale in Finnish SME project based industry. / Ellman, A.; Paronen, J.; Juuti, T. S.; Tiainen, T.

Proceedings of the Design 2018 15th International Design Conference. The Design Society, 2018. p. 1825-1832.

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

Finnish Round Robin Test on Airborne Sound Insulation. / Lietzen, Jesse; Kylliäinen, Mikko.

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. p. 1677-1682 282.162 (European Congress and Exposition on Noise Control Engineering).

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

Measurements of impact force excitation on wooden floors. / Lietzen, Jesse; Miettinen, Juha; Kylliäinen, Mikko; Pajunen, Sami.

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. p. 1617-1622 272.161 (Proceedings : European Conference on Noise Control).

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

Ready to sell? Requirements for promoting service selling in a manufacturing firm. / Vaittinen, Eija; Martinsuo, Miia.

Proceedings of the Spring Servitization Conference, Driving Competitiveness through Servitization, 14-16 May 2018. ed. / Ali Bigdeli; Thomas Frandsen; Jawwad Raja; Tim Baines. Aston University, 2018. p. 26-34.

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

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

Helsinki : Ympäristöministeriö, 2018. 74 p.

Research output: Book/Report › Commissioned report › Professional

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

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

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

Process time importance in the product properties evolution during extrusion coating of different LDPE grades. /

Suokas, E.; Kuusipalo, J.

15th TAPPI Advanced Coating Fundamentals Symposium 2018: Charlotte; United States; 14 April 2018 through 15 April 2018. TAPPI Press, 2018. p. 151-159.

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

Sub-100 fs pulse generation from a Tm,Ho : CALYO laser mode-locked by a GaSb-based SESAM at ~2043 nm. / 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.

CLEO: Science and Innovations, CLEO_SI 2018. OSA - The Optical Society, 2018.

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

Ultra-large mode area single frequency anisotropic MOPA with double clad Yb-doped tapered fiber. / Noronen, Teppo; Fedotov, Andrei; Rissanen, Joona; Gumenyuk, Regina; Butov, Oleg; Chamorovskii, Yuri; Golant, Konstantin; Odnoblyudov, Maxim; Filippov, Valery.

Fiber Lasers XV: Technology and Systems. SPIE, IEEE, 2018. 105121T (Proceedings of SPIE; Vol. 10512).

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

360 panorama super-resolution using deep convolutional networks. / Fakour-Sevom, Vida; Guldogan, Esin; Kämäräinen, Joni-Kristian.

VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications . Vol. 4 SCITEPRESS, 2018. p. 159-165.

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

Action recognition using the 3D dense microblock difference. / Voronin, V.; Pismenskova, M.; Zelensky, A.; Cen, Yigang; Nadykto, A.; Egiazarian, K.

Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies II. SPIE, 2018. 108020O (Proceedings of SPIE; Vol. 10802).

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

Adaptive Feedback in Local Coordinates for Real-time Vision-Based Motion Control Over Long Distances. / M. Aref, Mohammad; Astola, Pekka; Vihonen, Juho; Tabus, Ioan; Ghabcheloo, Reza; Mattila, Jouni.

International Conference on Robotics and Mechantronics : (ICRoM 2017). Vol. 320 IOP Publishing Ltd., 2018. 012009 (IOP conference series : materials science and engineering).

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

Alpha radiation induced luminescence in solar blind spectral region. / Kerst, Thomas; Toivonen, Juha.

CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.

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

Analysis of outdoor and indoor propagation at 15 GHz and millimeter wave frequencies in microcellular environment. / Sheikh, Muhammad Usman; Lempiainen, Jukka.

In: Advances in Science, Technology and Engineering Systems, Vol. 3, No. 1, 2018, p. 160-167.

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

Architectural patterns for microservices : A systematic mapping study. / Taibi, Davide; Lenarduzzi, Valentina; Pahl, Claus.

CLOSER 2018 - Proceedings of the 8th International Conference on Cloud Computing and Services Science.

SCITEPRESS, 2018. p. 221-232.

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

A social capital perspective on gaining optimal solutions from suppliers as preferred customer. / Jääskeläinen, Aki; Schiele, Holger; Aarikka-Stenroos, Leena.

Academy of Management Proceedings. Vol. 2018 1. ed. Academy of Management AOM, 2018. (Academy of Management Proceedings; Vol. 2018, No. 1).

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

Automated pile transfer work cycles with a robotic wheel loader. / Halbach, Eric; Kolu, Antti; Ghabcheloo, Reza.

17th International Conference on Computing in Civil and Building Engineering (ICCCBE): Tampere, 5-7 June 2018. ed. / K. Mela; S. Pajunen; V. Raasakka. Tampere, Finland : RIL, 2018.

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

Cold-formed RHS T joints with initial geometrical imperfections. / Garifullin, M.; Bronzova, M. K.; Heinisuo, M.; Mela, K.; Pajunen, S.

In: Magazine of Civil Engineering, Vol. 80, No. 4, 2018, p. 81-94.

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

Collective nonlinear optical effects in plasmonic nanohole ensembles of different rotational symmetries. / Bautista, Godofredo; Dreser, Christoph; Zang, Xiaorun; Kern, Dieter; Kauranen, Martti; Fleischer, Monika.

CLEO: QELS_Fundamental Science 2018. The Optical Society; OSA, 2018. FW3G.3.

Core Project Team As a Management Entity for Construction Projects. / Keinänen, Marko; Kähkönen, Kalle.

In: In_bo: Ricerche e progetti per il territorio, la città e l'architettura. Construction Management, Vol. 9, No. 13, 2018, p. 208-217.

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

Development of efficient electrically pumped nanolasers based on InAlGaAs tunnel junction. / Fang, Cheng Yi; Vallini, Felipe; Amili, Abdelkrim El; Tukiainen, Antti; Lyytikäinen, Jari; Guina, Mircea; Fainman, Yeshaiahu.

CLEO: Science and Innovations, CLEO_SI 2018. OSA - The Optical Society, 2018.

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

Digital image correlation study of the deformation and functioning of the human heart during open-heart surgery. / Soltani, Ayat; Curtze, S.; Lahti, J.; Järvelä, K.; Laurikka, J.; Hokka, M.; Kuokkala, V. T.

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. p. 19-27 (Conference Proceedings of the Society for Experimental Mechanics).

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

Effect of elevated nitrate and sulfate concentrations on selenate removal by mesophilic anaerobic granular sludge bed reactors. / Tan, Lea Chua; Nancharaiyah, Yarlagadda V.; van Hullebusch, Eric D.; Lens, Piet N. L.

In: Environmental Science: Water Research & Technology, Vol. 4, No. 2, 2018, p. 303-314 .

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

Effects of adiabatic heating estimated from tensile tests with continuous heating. / Vazquez Fernandez, N.; Isakov, M.; Hokka, M.; Kuokkala, V. T.

Dynamic Behavior of Materials - Proceedings of the 2017 Annual Conference on Experimental and Applied Mechanics. Vol. 1 Springer New York LLC, 2018. p. 1-7 (Conference Proceedings of the Society for Experimental Mechanics).

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

Electro-optic steering of random laser emission in liquid crystals. / Assanto, Gaetano; Perumbilavil, Sreekanth; Piccardi, Armando; Kauranen, Martti.

In: Photonics Letters of Poland, Vol. 10, No. 4, 2018, p. 103-105.

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

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

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

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

Enhanced outdoor to indoor propagation models and impact of different ray tracing approaches at higher frequencies. / Sheikh, Muhammad Usman; Hiltunen, Kimmo; Lempiäinen, Jukka.

In: Advances in Science, Technology and Engineering Systems, Vol. 3, No. 2, 2018, p. 58-68.

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

Evaluating the contrast of planar periodic patterns on paper. / Raunio, Jukka-Pekka; Makela, Ismo; Mäntylä, Markku; Ritala, Risto.

Paper Conference and Trade Show, PaperCon 2018. TAPPI Press, 2018. p. 294-302.

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

Evaluation of visual object trackers on equirectangular panorama. / Kart, Ugur; Kämäräinen, Joni Kristian; Fan, Lixin; Gabbouj, Moncef.

VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications . Vol. 5 SCITEPRESS, 2018. p. 25-32.

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

Eye-in-Hand Manipulation for Remote Handling: Experimental Setup. / Niu, Longchuan; Suominen, Olli; M. Aref, Mohammad; Mattila, Jouni; Ruiz, Emilio; Esque, Salvador.
International Conference on Robotics and Mechantronics : (ICRoM 2017). Vol. 320 IOP Publishing Ltd., 2018. 012007 (IOP conference series : materials science and engineering).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Frequency-doubled VECSEL employing a Volume Bragg Grating for linewidth narrowing. / Kantola, Emmi; Penttinen, Jussi-Pekka; Leinonen, Tomi; Ranta, Sanna; Guina, Mircea.
CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Frequency-doubled wafer-fused 638 nm VECSEL with an output power of 5.6 W. / Kantola, Emmi; Leinonen, Tomi; Rantamäki, Antti; Guina, Mircea; Sirbu, Alexei; Iakovlev, Vladimir.
CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Gibbs Dyadic Differentiation on Groups - Evolution of the Concept. / Stankovic, Radimir S.; Astola, Jaakko; Moraga, Claudio.
Computer Aided Systems Theory – EUROCAST 2017 - 16th International Conference, Revised Selected Papers. Springer Verlag, 2018. p. 229-237 (Lecture Notes in Computer Science; Vol. 10672).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Hierarchical deformable part models for heads and tails. / Yancheshmeh, Fatemeh Shokrollahi; Chen, Ke; Kämäräinen, Joni-Kristian.
VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications . Vol. 5 SCITEPRESS, 2018. p. 45-55.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Highly-efficient Ho:KY(WO₄)₂ thin-disk lasers at 2.06 μm. / Mateos, Xavier; Loiko, Pavel; Lamrini, Samir; Scholle, Karsten; Fuhrberg, Peter; Suomalainen, Soile; Härkönen, Antti; Guina, Mircea; Vatnik, Sergei; Vedin, Ivan; Aguiló, Magdalena; Diáz, Francesc; Wang, Yicheng; Griebner, Uwe; Petrov, Valentin.
Pacific-Rim Laser Damage 2018: Optical Materials for High-Power Lasers. SPIE, IEEE, 2018. 107130J (Proceedings of SPIE; Vol. 10713).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

High performance GaSb superluminescent diodes for tunable light source at 2 μm and 2.55 μm. / Zia, Nouman; Viheriälä, Jukka; Koivusalo, Eero; Aho, Antti; Suomalainen, Soile; Guina, Mircea.
CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

High power picosecond MOPA with anisotropic ytterbium-doped tapered double-clad fiber. / Fedotov, Andrei; Noronen, Teppo; Rissanen, Joonas; Gumenyuk, Regina; Petrov, Andrey; Chamorovskii, Yuri; Golant, Konstantin; Odnoblyudov, Maxim; Filippov, Valery.
Proceedings of SPIE : Fiber Lasers and Glass Photonics: Materials through Applications. ed. / S Taccheo; JI Mackenzie; M Ferrari. Vol. 10683 SPIE-INT SOC OPTICAL ENGINEERING, 2018. (Proceedings of SPIE; Vol. 10683).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

High-speed manufacturing of antimicrobial paper. / Brobbey, Kofi J.; Haapanen, Janne; Gunell, Marianne; Mäkelä, Jyrki M.; Eerola, Erkki; Saarinen, Jarkko J.; Toivakka, Martti.
Paper Conference and Trade Show, PaperCon 2018. TAPPI Press, 2018. p. 564-566.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Integrated multi-wavelength mid-IR light source for gas sensing. / Karioja, Pentti; Alajoki, Teemu; Cherchi, Matteo; Ollila, Jyrki; Harjanne, Mikko; Heinilehto, Noora; Suomalainen, Soile; Zia, Nouman; Tuorila, Heidi; Viheriälä, Jukka; Guina, Mircea; Buczynski, Ryszard; Kasztelanica, Rafa; Salo, Tomi; Virtanen, Sami; Kluczynski, Pawel; Borgen, Lars; Ratajczyk, Marcin; Kalinowski, Przemyslaw.
Next-Generation Spectroscopic Technologies XI. SPIE, IEEE, 2018. 106570A (SPIE Conference Proceedings; Vol. 10657).

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

Internal Heat Generation in Tension Tests of AISI 316 Using Full-Field Temperature and Strain Measurements. / Smith, Jarrod; Kuokkala, Veli-Tapani; Seidt, Jeremy; Gilat, Amos.

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. p. 97-103 (Conference Proceedings of the Society for Experimental Mechanics).

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

In vitro characterization of arylhydrazones of active methylene derivatives. / Palanivel, Suresh; Zhurina, Anastasia; Doan, Phuong; Chandraseelan, Jerome G.; Khandelwal, Vinoth Kumar Megraj; Zubkov, Fedor I.; Mahmudov, Kamran T.; Pombeiro, Armando J.L.; Yli-Harja, Olli; Kandhavelu, Meenakshisundaram.

In: Saudi Pharmaceutical Journal, Vol. 26, No. 3, 2018, p. 430-436.

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

JPEG Pleno: a standard framework for representing and signaling plenoptic modalities. / Schelkens, Peter; Alpaslan, Zahir; Ebrahimi, Touradj; Pereira, Fernando; Pinheiro, Antonio; Tabus, Ioan; Chen, Zhibo.

SPIE Proceedings Volume 10752: Applications of Digital Image Processing XLI. Vol. 10752 SPIE, 2018. (SPIE Conference Proceedings).

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

Kehittämistutkimus: vuorovaikutteisten Matlab-opetusohjelmien vaikutus minäpystyvyyteen ja oppimistuloksiin yliopistomatematiikassa. / Kaarakka, Terhi Elina; Ali-Löytty, Simo; Huhtanen, Miika.

In: FMSEJA Journal , Vol. 2, No. 1, 2018, p. 67-77.

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

Keyframe-based video summarization with human in the loop. / Ainasoja, Antti E.; Hietanen, Antti; Lankinen, Jukka; Kämäräinen, Joni-Kristian.

VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications . Vol. 4 SCITEPRESS, 2018. p. 287-296.

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

Laser Scanning Tasks of Building Refurbishment Project. / Uotila, Ulrika; Saari, Arto; Junnonen, Juha-Matti.

Proceedings of the 17th International Conference on Computing in Civil and Building Engineering (ICCCBE). 2018.

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

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

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

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

Model for efficient development of security audit criteria. / Kelo, Tomi; Eronen, Juhani; Rousku, Kimmo.

Proceedings of the 17th European Conference on Cyber Warfare and Security, ECCWS 2018. Curran Associates, 2018. p. 244-252.

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

Non-resonant enhancement of second-harmonic generation from metal nanoislands coated with dielectric layers. /

Koskinen, Kalle; Scherbak, Sergey; Chervinskii, Semyon; Lipovskii, Andrey; Kauranen, Martti.

CLEO: QELS_Fundamental Science 2018. OSA, 2018. JTU2A.134.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

Proceedings of the 1st Transdisciplinary Workplace Research Conference. / Nenonen, Suvi (Editor); Salmisto, Alpo (Editor); Petrulaitiene, Vitalija (Editor).

Tampere University of Technology. Department of Civil Engineering, 2018. 64 p. (Tampereen teknillinen yliopisto. Rakennustekniikan laboratorio. Rakennustuotanto ja -talous. Raportti; No. 26).

Research output: Book/Report › Anthology › Scientific › peer-review

Projektiyöskentelyn kehittäminen yläkoulun matematiikan opetuksessa. / Viro, Ida Elina; Joutsenlahti, Jorma.
In: FMSEJA Journal , Vol. 2, No. 1, 2018, p. 90-99.

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

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

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

Real-time measurements of nonlinear instabilities in optical fibers. / Ryzkowski, Piotr; Närhi, Mikko; Billet, Cyril; Merolla, Jean Marc; Dudley, John M.; Genty, Goery.

CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.

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

Resonant harmonic generation in AlGaAs nanoantennas using cylindrical vector beams. / Camacho-Morales, Rocio; Bautista, Godofredo; Zang, Xiaorun; Xu, Lei; Turquet, Leo; Miroschnichenko, Andrey; Lamprianidis, Aristeidis; Rahmani, Mohsen; Neshev, Dragomir N.; Kauranen, Martti.

CLEO: QELS_Fundamental Science 2018. The Optical Society; OSA, 2018. FF1E.6.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

Sub-parts-per-trillion sensitivity in trace gas detection by cantilever-enhanced photo-acoustic spectroscopy. / Tomberg, Teemu; Vainio, Markku; Hietä, Tuomas; Halonen, Lauri.

CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.

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

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

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

What's inside a rubble pile asteroid? DISCUS - A tomographic twin radar Cubesat to find out. / 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.

69th International Astronautical Congress, IAC 2018. 2018. (Proceedings of the International Astronautical Congress, IAC).

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

Yliopistomatematiikan sähköisten tehtävien ja matemaattisen ajattelun kehittäminen. / Myllykoski, Tuomas Jaakko; Mattila, Pekka; Ali-Löytty, Simo; Kaarakka, Terhi; Viro, Elina.

In: FMSEJA Journal , Vol. 2, No. 1, 2018, p. 46-56.

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

基于相位旋转的SCMA码本优化方法. / Shao, Kai; Zhou, Bowen; Wang, Guangyu; Yu, Bei.

In: Xi Tong Gong Cheng Yu Dian Zi Ji Shu/Systems Engineering and Electronics, Vol. 40, No. 10, 2018, p. 2354-2362.

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

Assessing the usefulness of an early idea development tool among experienced researchers. / Saari, Ulla; Aarikka-Stenroos, Leena; Boedeker, Stina; Köppä, Leena; Langwaldt, Jörg.

In: CERN IdeaSquare Journal of Experimental Innovation, Vol. 1, No. 2, 22.12.2017, p. 3-8.

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

Mechanisms of disruptive technological change : Case studies in transformation of traditional industries . / Sommarberg, Matti; Mäkinen, Saku.

Proceedings in 2017 Portland International Conference in Management and Engineering (PICMET): (PICMET) 9-13 July 2017. IEEE, 2017. p. 1-10.

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

Sata vuotta vesihuoltoa Suomessa. / Juuti, Petri; Katko, Tapio S.; Rajala, Riikka.

In: Vesitalous, Vol. 58, No. 6, 12.2017, p. 13-15.

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

Comparative evaluation of radio propagation properties at 15 GHz and 60 GHz frequencies. / Solomitckii, D.; Semkin, V.; Naderpour, R.; Ometov, A.; Andreev, S.

2017 9th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE, 2017. p. 91-95.

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

Multi-factor authentication: A survey and challenges in V2X applications. / Ometov, A.; Bezzateev, S.

2017 9th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE, 2017. p. 129-136.

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

Upper bound and approximation of random access throughput over chase combining HARQ. / Burkov, A.; Matveev, N.; Turlikov, A.; Bulanov, A.; Gahnina, O.; Andreev, S.

2017 9th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE, 2017. p. 143-147.

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

Analysis of Crowdsensed WiFi Fingerprints for Indoor Localization. / Peng, Zhe; Richter, Philipp; Leppäkoski, Helena; Lohan, Elena-Simona.

Proceedings of the 21st Conference of Open Innovations Association FRUCT. Helsinki, Finland : FRUCT, 2017. p. 268-277.

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

Wearable e-textile split ring passive UHF RFID tag: Body-worn performance evaluation. / Ma, Shubin; Ukkonen, Leena; Sydänheimo, Lauri; Björninen, Toni.

2017 IEEE Asia Pacific Microwave Conference (APMC). IEEE, 2017.

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

Probabilistic Mapping of Human Visual Attention from Head Pose Estimation. / Veronese, Andrea; Racca, Mattia; Pieters, Roel; Kyrki, Ville.

In: Frontiers in Robotics and AI, 30.10.2017.

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

Inkjet printed metallic micropillars for bare die flip-chip bonding. / Khorrarnadel, Behnam; Kraft, Thomas M; Mäntysalo, Matti

In: Flexible and Printed Electronics, Vol. 2, No. 4, 26.10.2017, p. 045005.

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

Alipaineistetun tuulettuvan ryömintätilan rakennusfysikaaliset FEM-simuloinnit. / Salo, Juha; Huttunen, Petteri; Vinha, Juha

Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 2 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 413-422 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Betonin kosteusteknisten materiaaliominaisuuksien määrittäminen. / Vääntinen, Kari; Tuominen, Eero; Vinha, Juha.

Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 2 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 461-470 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Kosteusvaurioiden vakavuus kuntien rakennuksissa. / Annala, Petri; Lahdensivu, Jukka; Suonketo, Jommi; Pentti, Matti; Laukkarinen, Anssi; Vinha, Juha.

Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 135-140 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Koulujen ja päiväkotien laskettu ja toteutunut energiankulutus. / Ruusala, Annu; Vinha, Juha.

Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 267-274 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Kuorielementtien kuivumisen mallintaminen hydrataation huomioivalla FEM-laskennalla. / Sekki, Pauli; Korhonen, Lauri; Vinha, Juha.

Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 2 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 399-405 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Kustannusoptimaaliset energiakorjaus- ja uusiutuvan energian tuotannon ratkaisut kunnallisissa palvelurakennuksissa. / Jokisalo, Juha; Sankelo, Paula; Sirén, Kai; Vinha, Juha.

Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 287-292.

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

Maanvastaisten seinien lämpö- ja kosteustekninen toiminta. / Laukkarinen, Anssi; Heiskanen, Roosa; Vinha, Juha.

Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 71-76 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Paine-erot Pirkanmaan ja Helsingin julkisissa palvelurakennuksissa. / Kauppinen, Antti; Kiviste, Mihkel; Pirhonen, Joni; Vinha, Juha.

Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 215-221 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Puukerrostalon työmaavaiheen lämpö- ja kosteusolosuhteiden mittaukset. / Laukkarinen, Anssi; Musakka, Sami; Penttilä, Olavi; Teriö, Olli; Vinha, Juha.

Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 167-172 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Puukerrostalorakentamisen kosteudenhallinta. / Teriö, Olli; Penttilä, Olavi; Laukkarinen, Anssi; Musakka, Sami; Vinha, Juha.

Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 173-178 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Suomessa markkinoilla olevien kalsiumsilikaattilevyjen rakennusfysiikaaliset materiaaliominaisuudet. / Tuominen, Eero; Vainio, Maarit; Vinha, Juha.

Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 2 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p.

455-460 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Suuren lämmöneristämättömän maanvastaisen alapohjan vaikutus rakennuksen energiankulutukseen. / Huttunen, Petteri ; Rantala, Juha; Vinha, Juha.

Rakennusfysiikka 2017: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 335-342 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Electrostatic discharge characteristics of conductive polymers. / Viheriäkoski, Toni; Kärjä, Eira; Gärtner, Reinhold; Tamminen, Pasi.

Electrical Overstress/Electrostatic Discharge Symposium Proceedings 2017, EOS/ESD 2017. ESD Association, 2017.

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

Qualification challenges of footwear and flooring systems. / Viheriäkoski, Toni; Jokinen, Vesa; Smallwood, Jeremy; Korpipää, Ari; Tamminen, Pasi.

Electrical Overstress/Electrostatic Discharge Symposium Proceedings 2017, EOS/ESD 2017. ESD Association, 2017.

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

Indoor Localisation using Aroma Fingerprints: A First Sniff. / Müller, Philipp; Lekkala, Jukka; Ali-Löytty, Simo; Piche, Robert.

2017 14th Workshop on Positioning, Navigation and Communications (WPNC). Bremen, Germany : IEEE, 2017.

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

Julkisivujen ja parvekkeiden talvikorjausohje. / Pakkala, Toni; Lahdensivu, Jukka; Köliö, Arto; Annala, Petri.

Rakennusfysiikka 2017: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut, 24-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 179-184 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Rational Number Knowledge Assessment and Training With a Game Competition. / Kiili, Kristian; Ojansuu, Kai; Lindstedt, Antero; Ninaus, Manuel.

Proceedings of The 11th European Conference on Game-Based Learning ECGBL 2017. Academic Conferences and Publishing International Limited, 2017. p. 320-327.

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

The effect of tungsten carbide particles content in a weld deposit on its abrasion resistance. / Hlavatý, Ivo; Kozák, Jindrich; Krejci, Lucie; Samardzic, Ivan; Tuominen, Jari.

In: Technical Gazette - Technicki vjesnik, Vol. 24, No. 5, 10.2017, p. 1345-1349.

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

Printed and organic diodes: devices, circuits and applications. / Kraft, Thomas; Berger, Paul; Lupo, Donald.

In: Flexible and Printed Electronics, Vol. 2, No. 3, 033001, 29.09.2017.

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

Barkhausen noise Potcore sensor simulations with Comsol. / Laitinen, Arttu; Santa-aho, Suvi; Lukinmaa, Henri; Suominen, Lasse; Vippola, Minnamari.

12th International Conference on Barkhausen Noise and Micromagnetic Testing. ICBM, 2017. p. 97-107.

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

Case depth prediction of nitrided components. / Sorsa, Aki; Santa-aho, Suvi; Aylott, Christopher; Shaw, Brian; Vippola, Minnamari; Leiviskä, Kauko.

12th International Conference on Barkhausen Noise and Micromagnetic Testing. ICBM, 2017. p. 65-72.

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

Embroidered antennas and antenna-electronics interfaces for wearable RFID tags. / Virkki, Johanna; Chen, Xiaochen; Björninen, Toni; Ukkonen, Leena.

IMWS-AMP 2017 International Microwave Workshop Series on Advanced Materials and Processes. IEEE, 2017.

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

Knowledge sharing in knowledge collectivity: case digitalization in industrial network. / Suominen, Anu Helena; Mäenpää, Sari.

Proceedings of the 18th European Conference on Knowledge Management ECKM 2017: 7-8 September 2017, Barcelona, Spain. ed. / Frederic Marimon; Marta Mas-Machuca; Jasmína Berbegal-Mirabent; Ramon Bastida. Academic Conferences and Publishing International, 2017. p. 956-963.

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

Tuning extrinsic noise effects on a small genetic circuit. / Mohamed Bahrudeen, Mohamed; S. Ribeiro, Andre.

Proceedings of ECAL 2017: 14th European Conference on Artificial Life. Massachusetts Institute of Technology, 2017.

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

Comparative investigation of remote tracking devices for aging care. / Munir, M. W.; Shahid, N.; Omair, S. M.; Munir, G.; UI Haque, M. Z.

In: INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY, Vol. 9, No. 3, 01.09.2017, p. 261-266.

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

Quality evaluation on of contractor's schedule for building renovation. / Kähkönen, Kalle; Brandt, Jens.

Re-shaping the construction industry. ed. / 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. p. 175-184.

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

Printed soft-electronics for remote body monitoring. / Mäntysalo, Matti; Vuorinen, Tiina; Jeyhani, Vala; Vehkaoja, Antti.

Hybrid Memory Devices and Printed Circuits 2017: SPIE Organic Photonics + Electronics | 6-10 August 2017. SPIE, 2017. (SPIE Conference Proceedings; Vol. 10366).

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

Enterprise architecture and organizational reform: a project debrief. / Dang, Duong; Pekkola, Samuli.

Proceedings the 21st Pacific Asian Conference on Information Systems 2017 (PACIS'2017): Langkawi, Malay, 16-20 July, 2017. Association for Information Systems AIS, 2017.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

NB-IoT for D2D-enhanced content uploading with social trustworthiness in 5G systems. / Militano, Leonardo; Orsino, Antonino; Araniti, Giuseppe; Iera, Antonio.

In: Future Internet, Vol. 9, No. 3, 31, 08.07.2017.

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

Applying third-party moocs in programming education: a case study. / Saari, M.; Mäkinen, T.; Linna, P.

9th International Conference on Education and New Learning Technologies: 3-5 July, 2017 Barcelona, Spain. Barcelona, Spain : IATED, 2017. p. 53-59.

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

Who is who in Big Social Data? A Bibliographic Network Analysis Study. / Jussila, Jari; Menon, Karan; Gupta, Jayesh; Kärkkäinen, Hannu.

Proceedings of the 4th European Conference on Social Media ECSM 2017. Vol. 4 Reading, UK : Academic Conferences and Publishing International Limited, 2017. p. 161-169.

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

Tools, pedagogical models, and best practices for digital storytelling. / Multisilta, Jari ; Niemi, Hannele.

Encyclopedia of information science and technology. ed. / Mehdi Khosrow-Pour. 4th . ed. IGI Global, 2017.

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

Real-time measurements of dissipative solitons in a mode-locked fiber laser. / Ryczkowski, P.; Närhi, M.; Billet, C.; Merolla, J. -M.; Genty, G.; Dudley, J. M.
In: arXiv eprint, 26.06.2017.
Research output: Contribution to journal › Article › Scientific

Maximally Flat Property and Bandwidth Enhancing by Transfer Function Zeroes IEEE-NewCAS France. / Filanovsky, Igor ; Tchamov, Nikolay.
2017 15th IEEE International New Circuits and Systems Conference (NEWCAS). IEEE, 2017.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

On the prospects of full-duplex military radios. / Riihonen, Taneli; Korpi, Dani; Rantula, Olli; Valkama, Mikko.
2017 International Conference on Military Communications and Information Systems, ICMCIS 2017. IEEE, 2017.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Morphology Development, Structure and Dielectric Properties of Biaxially Oriented Polypropylene. / Rytöluoto, Ilkka; Ritamäki, Mikael; Gitsas, Antonis; Pasanen, Satu; Lahti, Kari.
25th Nordic Insulation Symposium on Materials, Components and Diagnostics. 2017. (Proceeding of the Nordic Insulation Symposium; No. 25).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Knowledge transfer and work productivity. / Palvalin, Miikka; Vuori, Vilma; Helander, Nina.
Proceedings of 12th International Forum on Knowledge Asset Dynamics: St. Petersburg, Russia 7-9 June 2017. ed. / JC Spender; Giovanni Schiuma; Tatiana Gavrilova. 2017. p. 1120-1134 (Proceedings IFKAD).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

The role of inorganics in modelling of biomass gasification. / Konttinen, Jukka; Kramb, Jason; DeMartini, Nikolai; Gomez-Barea, Alberto.
EUBCE 2017 Online Conference Proceedings. ed. / L. Ek; H. Ernrooth; N. Scarlat; A. Grassi; P. Helm. ETA-Florence Renewable Energies, 2017. p. 443-447 (European biomass conference and exhibition proceedings).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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

Managing intellectual liabilities by service recovery. / Laihonen, Harri; Sillanpää, Virpi; Vuolle, Maiju.
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.. ed. / Giovanni Schiuma; JC Spender; Tatiana Garvilova. IKAM - Institute of Knowledge Asset Management, 2017. p. 1570-1583 (Proceedings IFKAD).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A bibliometric study on authorship trends and research themes in knowledge management literature. / Jussila, Jari J.; Mustafee, Navonil; Aramo-Immonen, Heli; Menon, Karan; Hajikhani, Arash; Helander, Nina.
12th International Forum on Knowledge Asset Dynamics, St. Petersburg, Russia 7-9 June 2017: Knowledge Management in the 21st Century: Resilience, Creativity and Co-creation. Vol. 12 St. Petersburg, Russia, 2017. p. 389-397.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

If you know social media, you see opportunities.... / Aramo-Immonen, Heli; Vartio, Mikko; Jussila, Jari.
12th International Forum on Knowledge Asset Dynamics: Knowledge Management in the 21st Century: Resilience, Creativity and Co-creation. Vol. 12 2017. p. 575-584.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Lessons for data-based value creation. / Myllärniemi, Jussi; Pekkola, Samuli; Helander, Nina.
12th International Forum on Knowledge Asset Dynamics, IFKAD 2017. 2017. p. 398-407 (Proceedings IFKAD).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Why don't one maximizes database utilization in product and service development in manufacturing? / Väyrynen, Hannele ; Manu, Marko.
Proceedings of the 12th International Forum on Knowledge Asset Dynamics 2017: St. Petersburg, Russia, 7-9 June 2017. St. Petersburg, Russia , 2017. p. 93-105 (Proceedings IFKAD).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Advocator, jester, spokesperson, provocateur and boundary spanner? Exploring different communication styles at twitter. / Ketonen-Oksi, Sanna; Jalonen, Harri.
12th Conference proceedings of IFKAD2017: St.Petersburg, Russia, 7-9 June 2017. 2017. (Proceedings IFKAD).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Customer Perceived Value - A Key in Marketing of Integrated Solutions. / Helander, Nina; Sillanpää, Virpi; Vuori, Vilma; Uusitalo, Olavi.
The 5th International Conference on Strategic Innovative Marketing., At Athens, Greece, Volume: 5: September 23-26, 2016. ed. / A. Kavoura; D. Sakas; P. Tomaras. Springer, 2017. p. 37-42 (Springer Proceedings in Business and Economics).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Reliability and Perceived Value of Sentiment Analysis for Twitter Data. / Jussila, Jari; Vuori, Vilma; Okkonen, Jussi; Helander, Nina.
5th International Conference on Strategic Innovative Marketing, At Athens, Greece,,: September 23-26, 2016. ed. / A. Kavoura; D. Sakas; P. Tomaras. Springer, 2017. p. 43-48 (Springer Proceedings in Business and Economics).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Social Media Analytics Empowering Customer Experience Insight. / Jussila, Jari; Boedeker, Mika; Jalonen, Harri; Helander, Nina.
5th International Conference on Strategic Innovative Marketing, Volume: 5: September 23-26, 2016 At Athens, Greece. ed. / A. Kavoura; D. Sakas; P. Tomaras. Springer, 2017. p. 25-30 (Springer Proceedings in Business and Economics).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Culture-Aware Web Information Systems in Dependence of Context. / Jaakkola, Hannu; Thalheim, Bernhard.
The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases. ed. / 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. p. 309-331.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Influence of the rotor eccentricity on the torque of a cage induction machine. / Silwal, Bishal; Rasilo, Paavo; Belahcen, Anouar; Arkkio, Antero.
In: Archives of Electrical Engineering, Vol. 66, No. 2, 06.2017, p. 383-396.
Research output: Contribution to journal › Article › Scientific › peer-review

Managing different types of changes during the lifecycle of a complex delivery project. / Vuorinen, Lauri; Martinsuo, Miia.
The 2017 European Academy of Management (EURAM) Conference: Glasgow, Scotland, 21-24 June, 2017.. EURAM, 2017.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Natural Gas Engine Emission Reduction by Catalysts. / Lehtoranta, Kati; Murtonen, Timo; Vesala, Hannu; Koponen, Päivi ; Alanen, Jenni; Simonen, Pauli; Rönkkö, Topi; Timonen, Hilikka; Saarikoski, Sanna; Maunula, Teuvo; Kallinen, Kauko; Korhonen, Satu.
In: Emission Control Science and Technology, Vol. 3, No. 2, 06.2017, p. 142-152.
Research output: Contribution to journal › Article › Scientific › peer-review

Visual Data Mining in Software Repositories: A Survey. / Eteläaho, Anna; Soini, Jari; Jaakkola, Hannu; Mattila, Anna-Liisa. The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases. ed. / 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. p. 367-385.

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

Kactus2: A graphical EDA tool built on the IP-XACT standard. / Virtanen, Janne; Kamppi, Antti; Pekkarinen, Esko; Määttä, Joni-Matti; Järvinen, Juho; Matilainen, Lauri Johannes; Teuho, Mikko; Hämäläinen, Timo.

In: The Journal of Open Source Software, Vol. 2, No. 13, 02.05.2017, p. 1.

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

Alkyl thiophene vinylene electropolymerization in C8mimPF6, potential use in solar cells. / Rojas, Vania; Martinez, Francisco; Bernede, Jean Christian; Guenadez, Linda Cattin; Efimov, Alexander; Lemmetyinen, Helge.

In: Materials Sciences and Applications, Vol. 8, No. 5, 05.2017, p. 405-417.

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

Editorial: Information to support decision-making. / Juuti, Petri S.

In: Ympäristöhistoria: Finnish Journal of Environmental History, Vol. 2017, No. 1, 05.2017, p. 5-6.

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

Local narratives in the long term water conflicts : Case of Turku Region in Finland. / Juuti, Petri S.; Kurki, Vuokko; Rajala, Riikka.

In: Ympäristöhistoria: Finnish Journal of Environmental History, Vol. 2017, No. 1, 05.2017, p. 39-49.

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

The logics taught and used at high schools are not the same. / Valmari, Antti; Hella, Lauri.

Proceedings of the Fourth Russian Finnish Symposium on Discrete Mathematics. ed. / Juhani Karhumäki; Yuri Matiyasevich; Alekski Saarela. Turku : TURKU CENTRE FOR COMPUTER SCIENCE, 2017. p. 172-186 (TUCS Lecture Notes; No. 26).

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

Vesi, ongelma ennen ja nyt? / Juuti, Petri.

In: Ympäristöhistoria: Finnish Journal of Environmental History, Vol. 2017, No. 1, 05.2017, p. 54-65.

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

Instrumentation and monitoring of large-span culvert built under a railway, in Finland. / Asp, Olli; Laaksonen, Anssi.

Archives of Institute of Civil Engineering: 3rd European Conference on Buried Flexible Steel Structures, Rydzyna, Poland, 24-25 April 2017. ed. / Arkadiusz Madaj; Iwona Jankowiak. Vol. 2017 23. ed. Poznan : Wydawnictwo Politechniki Poznanskiej, 2017. p. 53-60.

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

HEVC-compliant viewport-adaptive streaming of stereoscopic panoramic video. / Zare, Alireza; Sreedhar, Kashyap Kammachi; Vadakital, Vinod Kumar Malamal; Aminlou, Alireza; Hannuksela, Miska M.; Gabbouj, Moncef.

2016 Picture Coding Symposium, PCS 2016. IEEE, 2017.

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

Towards better knowledge work experiences with new Ambient workspace : Concept and prototype. / Olshannikova, Ekaterina; Ometov, Aleksandr; Anagnostaki, Tatiana; Hasan, Nazia; Kuketaeva, Ayzhan; Ahtinen, Aino; Olsson, Thomas; Koucheryavy, Yevgeni.

Proceedings of the 19th Conference of Open Innovations Association, FRUCT 2016. IEEE COMPUTER SOCIETY PRESS, 2017. p. 173-181.

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

Collagen-immobilized polyimide membranes for retinal pigment epithelial cell adherence and proliferation. / Teymouri, Shokoufeh; Calejo, Maria Teresa; Hiltunen, Maiju; Sorkio, Anni E.; Juuti-Uusitalo, Kati; Skottman, Heli; Kellomäki, Minna.

In: Cogent Chemistry, Vol. 3, No. 1, 06.03.2017.

Cost- and time-effective sewing patterns for embroidered passive UHF RFID tags. / Brechet, Nicolas; Ginestet, Galatee; Moradi, Elham; Ukkonen, Leena; Torres, Jeremie; Björninen, Toni; Virkki, Johanna.

Proceedings of IEEE 2017 International Workshop on Antenna Technology. IEEE, 2017. p. 30-33.

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

Reaction heat utilization in aluminosilicate-based ceramics synthesis and sintering. / Karhu, M.; Lagerbom, J.; Kivikytö-Reponen, P.; Ismailov, A.; Levänen, E.

In: Journal of Ceramic Science and Technology, Vol. 8, No. 1, 01.03.2017, p. 101-112.

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

Wirelessly powered implantable system for wireless long-term monitoring of intracranial pressure. / Khan, Muhammad Waqas Ahmad; Björninen, Toni; Sydänheimo, Lauri; Ukkonen, Leena.

Proceedings of IEEE 2017 International Workshop on Antenna Technology. IEEE, 2017. p. 122-124.

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

Effect of Laser Power on Yield of TiO₂ Nanoparticles Synthesized by Pulsed Laser Ablation in Water. / Singh, A.; Vihinen, J.; Frankberg, E.; Hyvärinen, L.; Honkanen, M.; Levänen, E.

In: Journal of Ceramic Science and Technology, Vol. 8, No. 1, 03.2017, p. 39-43.

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

1180 nm GaInNAs quantum well based high power DBR laser diodes. / Viheriälä, Jukka; Aho, Antti; Virtanen, Heikki; Koskinen, Mervi; Dumitrescu, Mihail; Guina, Mircea.

High-Power Diode Laser Technology XV. ed. / Mark S. Zediker. SPIE, 2017. 100860K (Proceedings of SPIE; Vol. 10086).

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

Evolutionary multiobjective optimization for adaptive dataflow-based digital predistortion architectures. / Li, Lin; Ghazi, Amanullah; Boutellier, Jani; Anttila, Lauri; Valkama, Mikko; Bhattacharyya, Shuvra S.

In: EAI Endorsed Transactions on Cognitive Communications, Vol. 17, No. 10, e3, 23.02.2017.

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

Multi-wavelength mid-IR light source for gas sensing. / 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.

Proc. SPIE 10110: Photonic Instrumentation Engineering IV. Vol. 10110 SPIE, 2017. 101100P (Proceedings of SPIE; Vol. 10110).

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

Intracavity double diode structures with GaInP barrier layers for thermophotonic cooling. / Tiira, Jonna; Radevici, Ivan; Haggren, Tuomas; Hakkarainen, Teemu; Kivisaari, Pyry; Lyytikäinen, Jari; Aho, Arto; Tukiainen, Antti; Guina, Mircea; Oksanen, Jani.

Proc. SPIE 10121: Optical and Electronic Cooling of Solids II. Vol. 10121 SPIE, 2017. 1012109 (Proceedings of SPIE; Vol. 10121).

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

The use of mathematical modeling for the development of a low cost fuzzy gain schedule neutralization control system. / Sislian, Rodrigo; da Silva, Flávio Vasconcelos; Gedraite, Rubens; Jokinen, Heikki; Rajan, Dhanesh Kattipparambil.

Transactions on Engineering Technologies: World Congress on Engineering and Computer Science 2015. Springer Singapore, 2017. p. 525-539.

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

Color-distribution similarity by information theoretic divergence for color images. / Murayama, Mizuki; Oguro, Daisuke; Kikuchi, Hisakazu; Huttunen, Heikki; Ho, Yo Sung; Shin, Jaeho.

2016 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference, APSIPA 2016. IEEE, 2017.

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

Cavitation erosion, slurry erosion and solid particle erosion performance of metal matrix composite (MMC) coatings sprayed with modern high velocity thermal spray processes. / Matikainen, Ville; Rubio, Silvia ; Ojala, Niko; Koivuluoto, Heli ; Schubert, Jan; Houdková, Sarka; Vuoristo, Petri.

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. p. 1161-1163.

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

Effect of air gap on the adhesion of PET layer on cardboard substrate in extrusion coating. / Suokas, Esa.

16th TAPPI European PLACE Conference 2017. TAPPI Press, 2017. p. 529-544.

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

Novel bio-based materials for active and intelligent packaging. / Lahti, Johanna; Kamppuri, Taina; Kuusipalo, Jurkka.

16th TAPPI European PLACE Conference 2017. TAPPI Press, 2017.

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

Novel equipment to simulate hot air heat sealability of packaging materials. / Lahti, Johanna; Kuusipalo, Jurkka; Auvinen, Sanna.

16th TAPPI European PLACE Conference 2017. TAPPI Press, 2017. p. 237-248.

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

Tampere University of Technology, laboratory of materials science, paper converting and packaging technology Tampere, Finland. / Kuusipalo, Jurkka; Lahti, Johanna.

16th TAPPI European PLACE Conference 2017: Basel; Switzerland; 22 May 2017 through 24 May 2017. Vol. May-2017 TAPPI Press, 2017.

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

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

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

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

Automatic Classification of Z-ring Formation Stages at the Single Cell Level in Escherichia Coli by Machine Learning. /

Zare, Marzieh; Neeli-Venkata, Ramakanth; Martins, Leonardo; Peltonen, Sari; Ruotsalainen, Ulla; Ribeiro, Andre S.

Proceedings of the 10th International Joint Conference on Biomedical Engineering Systems and Technologies, Vol 2: Bioimaging. ed. / M Silveira; A Fred; H Gamboa; M Vaz. SCITEPRESS, 2017. p. 72-76.

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

Business intelligence approach – a practical tool for competence based curriculum development. / Myllärniemi, J.;

Helander, N.; Hellsten, P.; Mahlamäki, T.; Repo, S.

EDULEARN17 Proceedings. 9th International Conference on Education and New Learning Technologies: 3-5 July, 2017, Barcelona, Spain. IATED, 2017. p. 6387-6393.

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

Challenges in the paradigm change from mobility as a self-service to mobility as a service. / Pöllänen, Markus; Utriainen, Roni; Viri, Riku.

Conference Proceedings 1st International Conference of Mobility as a Service: ICoMaaS, Tampere 28.-29.11.2017. Tampere University of Technology, 2017. p. 246-265.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

Comparing two methods for Urban Complexity calculation using Shannon-Wiener index. / López Baeza, Jesús; Cerrone, Damiano; Männigo, Kristjan.

Comparing two methods for Urban Complexity calculation using Shannon-Wiener index. WIT Press, 2017. p. 369-378 (WIT Transactions on Ecology and The Environment; Vol. 226).

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

Comprehensive survey of similarity measures for ranked based location fingerprinting algorithm. / Minaev, Georgy; Visa, Ari; Piche, Robert.

Indoor Positioning and Indoor Navigation (IPIN), 2017 International Conference on. IEEE, 2017.

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

Computational wavelength resolution for in-line lensless holography : Phase-coded diffraction patterns and wavefront group-sparsity. / Katkovnik, Vladimir; Shevkunov, Igor; Petrov, Nikolay V.; Egiazarian, Karen.

Digital Optical Technologies 2017. SPIE, 2017. 1033509 (Proceedings of SPIE; Vol. 10335).

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

Convolutional Recurrent Neural Networks for Rare Sound Event Detection. / Cakir, Emre; Virtanen, Tuomas.

Proceedings of the Detection and Classification of Acoustic Scenes and Events 2017 Workshop (DCASE2017). Tampere University of Technology. Laboratory of Signal Processing, 2017. p. 27-31.

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

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

19th International Conference and School on Quantum Electronics: Laser Physics and Applications. SPIE, 2017.

102260R (Proceedings of SPIE; Vol. 10226).

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

Editorial: Experiments in an Organisational Context. / Christiansen, John; Birkinshaw, Julian; Le Masson, Pascal; Mäkinen, Saku.

In: CERN IdeaSquare Journal of Experimental Innovation, Vol. 1, No. 2, 2017.

Research output: Contribution to journal › Editorial › Scientific

Educating Computer Science Educators Online - A Racket MOOC for Elementary Math Teachers of Finland. / Partanen, Tiina; Niemelä, Pia; Mannila, Linda; Poranen, Timo.

Proceedings of the 9th International Conference on Computer Supported Education. SCITEPRESS - Science and Technology Publications, 2017. p. 47-58.

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

Effects of Social Media on Consumers' Sports Brand Experiences and Loyalty. / Munnukka, Juha; Karjaluo, Heikki; Mahlamäki, Tommi; Hokkanen, Ville.

Creating Marketing Magic and Innovative Future Marketing Trends: Proceedings of the 2016 Academy of Marketing Science (AMS) Annual Conference. ed. / Maximilian Stieler. Springer International Publishing, 2017. p. 1051-1064 (Developments in Marketing Science: Proceedings of the Academy of Marketing Science).

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

Emotion-Gauge: Analyzing affective experiences in B2B customer journeys. / Andersson, Tuula; Boedecker, Mika; Vuori, Vilma.

Strategic Innovative Marketing : 5th IC-SIM, Athens, Greece, September 23-26, 2016. ed. / Androniki Kavoura; Damianos Sakas; Petros Tomaras. Springer, 2017. p. 31-36 (Springer Proceedings in Business and Economics).

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

Energiatehokkuusinformaatio palvelurakennuksissa. / Sorri, Jaakko; Heljo, Juhani; Uotila, Ulrika; Ruusala, Annu.

Rakennusfysiikka 2017: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut : 24.-26.10.2017, Tampere. Vol. 1 Tampere : Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 325-330 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Energiatehokkuus on entistä enemmän sähkötehon hallintaa. / Heljo, Juhani; Sorri, Jaakko; Harsia, Pirkko.

Rakennusfysiikka 2017: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut : 24.-26.10.2017, Tampere. ed. / Juha Vinha; Henna Kivioja. Vol. 1 Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, 2017. p. 281-286 (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Experiences from development of security audit criteria. / Kelo, Tomi; Eronen, Juhani.

Proceedings of the 16th European Conference on Cyber Warfare and Security, ECCWS 2017. TAPPI Press; Curran Associates, Inc, 2017. p. 208-215.

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

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

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

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

Eye tracking studies focusing on mathematics: a literature review. / Perttula, Arttu.

INTED2017. The 11th annual International Technology, Education and Development Conference: Valencia, 6th - 8th of March, 2017.. IATED Academy, 2017. 2166-2173.

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

From theories to game mechanics : Developing a game for training rational numbers. / Kiili, Kristian.

Proceedings of the 11th European Conference on Games Based Learning, ECGBL 2017. Academic Conferences and Publishing International Limited, 2017. p. 328-334.

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

Gamification at School. / Perttula, Arttu; Tuomi, Pauliina.

EDULEARN17: The 9th International Conference on Education and New Learning Technologies. 2017. p. 9334-9340.

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

Glass and Glass-Ceramic Scaffolds: Manufacturing Methods and the Impact of Crystallization on In-Vitro Dissolution. /

Nommeots-Nomm, Amy; Massera, Jonathan.

Scaffolds in Tissue Engineering - Materials, Technologies and Clinical Applications. InTech Open Access Publisher, 2017.

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

Identification of fundamental requirements for ideal metamodeling framework in additive manufacturing. / Mokhtarian, Hossein; Coatanea, Eric; Paris, Henri; Vihinen, Jorma.

Proceedings of the 2nd Annual SMACC Research Seminar 2017. ed. / Jussi Aaltonen; Riikka Virkkunen; Kari T. Koskinen; Risto Kuivanen. 2017. p. 29-31.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

Inter-organizational knowledge sharing barriers within an sme network: a case study. / Meriläinen, Kirsi; Vuori, Vilma; Helander, Nina.

Proceedings of the 18th European Conference on Knowledge Management: Barcelona, Spain, 7-8 September 2017. Reading, UK : Academic Conferences and Publishing International Limited, 2017. p. 690-697.

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

Manipulating Superparamagnetic Microparticles with an Electromagnetic Needle. / Cenev, Zoran; Zhang, Hongbo; Sariola, Veikko; Rahikkala, Antti; Liu, Dongfei; Santos, Hélder A.; Zhou, Quan.

In: Advanced Materials Technologies, Vol. 3, No. 1, 1700177, 2017.

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

Modeling the process of dynamic resource sharing between LTE and NB-IoT services. / Begishev, Vyacheslav; Samuylov, Andrey; Moltchanov, Dmitri; Samouylov, Konstantin.

Distributed Computer and Communication Networks - 20th International Conference, DCCN 2017, Proceedings. Springer Verlag, 2017. p. 1-12 (Communications in Computer and Information Science; Vol. 700).

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

Multilag Frequency Estimation for High-Order BOC Signals in the Acquisition Stage. / Gomez Casco, David; Lohan, Elena-Simona; Lopez-Salcedo, Jose A.; Seco-Granados, Gonzalo.

2016 8th ESA Workshop on Satellite Navigation Technologies and European Workshop on GNSS Signals and Signal Processing (NAVITEC). IEEE, 2017.

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

Personality's effect on peer assessment ability in case method context. / Mahlamäki, Tommi; Valkeinen, Teija;

Myllärniemi, Jussi; Hellsten, Pasi; Repo, Santeri.

EDULEARN17 Proceedings. 9th International Conference on Education and New Learning Technologies: 3-5 July, 2017, Barcelona, Spain. IATED, 2017. p. 6401-6405 (Edulearn proceedings).

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

Perspectives on tools and applications supporting co-creation in knowledge work. / Okkonen, Jussi; Vuori, Vilma.

Proceedings of the 12th International Forum on Knowledge Asset Dynamics 2017: 7-9 Jun. 2017, St. Petersburg, Russia. 2017. p. 369-376 (Proceedings IFKAD).

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

Photo-acoustic Spectroscopy of Resonant Absorption in III-V Semiconductor Nanowires. / Hakkarainen, Teemu; Leahu, Grigore; Petronijevic, Emilija; Belardini, Alessandro; Centini, Marco; Li Voti, Roberto; Koivusalo, Eero; Rizzo Piton, Marcelo; Guina, Mircea; Sibilica, Concita.

CLEO: Applications and Technology 2017: San Jose, California United States 14-19 May 2017. The Optical Society; OSA, 2017. JTh2A.48.

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

Picosecond MOPA with ytterbium doped tapered double clad fiber. / Filippov, Valery; Vorotynskii, Andrei; Noronen, Teppo ; Gumenyuk, Regina; Chamorovskii, Yuri; Golant, Konstantin.

Fiber Lasers XIV: Technology and Systems. Vol. 10083 SPIE, 2017. 100831H (Proceedings of SPIE; No. 10083).

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

Real-Time Impedance-Based Stability Assessment of Grid Converter Interactions. / Messo, Tuomas; Luhtala, Roni; Roinila, Tomi; Yang, Dongsheng; Wang, Xiongfei; Blaabjerg, Frede.

IEEE Workshop on Control and Modeling for Power Electronics. 2017.

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

Reinventing organisational creativity and innovation through adapting a service-based working culture. / Ketonen-Oksi, Sanna.

Integrating arts and creativity into business practice. ed. / Giovanni Schiuma; Antonio Lerro. IGI Global, 2017. p. 1-20.

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

Review on mobility as a service in scientific literature. / Utriainen, Roni; Pöllänen, Markus.

Conference Proceedings 1st International Conference on Mobility as a Service: ICoMaaS, Tampere 28.-29.11.2017. Tampere University of Technology, 2017. p. 141-155 15.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

Samsung and Volkswagen crisis communication in Facebook and Twitter : A comparative study. / Zhang, Boyang; Veijalainen, Jari; Kotkov, Denis.

WEBIST 2017 - Proceedings of the 13th International Conference on Web Information Systems and Technologies. SCITEPRESS, 2017. p. 312-323.

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

Sata vuotta Suomen suurimmasta lavantautiepidemiasta. / Juuti, Petri ; Rajala, Riikka.

In: Vesitalous, Vol. 2017, No. 1, 2017, p. 12-14.

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

Securing the flow of information in renovation projects : Sustainable synergies from buildings to the urban scale. / Marttila, Tero; Annala, Petri; Suonketo, Jommi; Kero, Paavo; Pentti, Matti.

In: PROCEDIA ENVIRONMENTAL SCIENCES, Vol. 38, 2017, p. 228-233.

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

Suomen vesihuollon kehitys ja opit kansainvälisessä kontekstissa. / Katko, Tapio S.

In: *Vesitalous*, Vol. 58, No. 1, 2017, p. 8-11.

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

The role of base substrate on barrier and convertability properties of Water based barrier coated (WBBC) paper and paperboard. / Miettinen, P.; Ahokas, M.; Engström, T.; Heinonen, J.; Auvinen, S.

Paper Conference and Trade Show, PaperCon 2017: Renew, Rethink, Redefine the Future, Minneapolis, Minnesota, USA, 23-26 April 2017. Vol. 1 TAPPI Press, 2017. p. 220-232.

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

The role of performance measurement in supplier-buyer value-creation. / Jääskeläinen, Aki; Thitz, Otto; Heikkilä, Jussi.

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).

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

The Web as a software platform : Ten years later. / Taivalsaari, Antero; Mikkonen, Tommi.

WEBIST 2017 - Proceedings of the 13th International Conference on Web Information Systems and Technologies. SCITEPRESS, 2017. p. 41-50.

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

Three-color vector nematicon. / Laudyn, Urszula A.; Kwaśny, Michał; Karpierz, Mirosław A.; Assanto, Gaetano.

In: *Photonics Letters of Poland*, Vol. 9, No. 2, 2017, p. 36-38.

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

Utilizing knowledge networks in virtual or augmented reality solution creation. / Vanhalakka, Joel; Ilvonen, Ilona; Väättäjä, Heli.

Proceedings of the 18th European Conference on knowledge Management ECKM 2017: 7-8 September 2017, Barcelona, Spain. ed. / Frederic Marimon; Marta Mas-Machuca; Jasmina Berbegal-Mirabent; Ramon Bastida. Academic Conferences and Publishing International, 2017. p. 1008-1014.

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

Valkea kaupunki, mustat vedet. / Juuti, Petri ; Rajala, Riikka.

In: *Vesitalous*, Vol. 2017, No. 1, 2017, p. 15-17.

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

VisualLabel: An Integrated Multimedia Content Management and Access Framework. / 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.

The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases, EJC 2017: June 5-9, 2017, Krabi, Thailand. 2017. p. 332-353.

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

Web-user-interface system utilizing rhmei and open data for a water quality analyzer. / Sillberg, Pekka; Veessommai, Chalisa; Soini, Jari; Jaakkola, Hannu.

The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases, EJC 2017: June 5-9, 2017, Krabi, Thailand. ed. / 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. p. 444-451.

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

Re-inventing organizational creativity and innovation through adopting a service-based working culture. / Ketonen-Oksi, Sanna.

Integrating Art and Creativity into Business Practice. IGI Global, 2016. p. 1-20.

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

- Assessing business learning by analysing ERP simulation log files.** / Nisula, Karoliina; Pekkola, Samuli.
AIS SIGED 2016 Conference on IS education and Research. : Dublin, Ireland, December 10-11, 2016. Dublin, 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review
- D2D communications for mobile devices: Technology overview and prototype implementation.** / Devos, Mathieu; Ometov, Aleksandr; Mäkitalo, Niko; Aaltonen, Timo; Andreev, Sergey; Koucheryavy, Yevgeni.
8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE, 2016. p. 124-129.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review
- Improving reliability of replicated message delivery in cellular machine-type communications.** / Galinina, Olga; Turlikov, Andrey; Andreev, Sergey; Koucheryavy, Yevgeni.
2016 8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE, 2016. p. 106-110.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review
- Business models in the circular economy: a structured multiple-case analysis.** / Ranta, Valtteri; Aarikka-Stenroos, Leena; Mäkinen, Saku.
Proceedings of ISPIM Innovation Summit, Kuala Lumpur, Malaysia. The International Society for Professional Innovation Management (ISPIM): 4-7 December 2016. 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review
- How to develop a new innovation education tool: case of impact canvas.** / Aarikka-Stenroos, Leena; Boedeker, Stina; Köppä, Leena ; Langwaldt, Jörg .
In the Proceedings of ISPIM Innovation Summit. The International Society for Professional Innovation Management (ISPIM). : 4-7 December 2016, Kuala Lumpur, Malaysia.. 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review
- Multi-Objective Optimization of Fin Array Heat Sinks.** / Lampio, Kaj; Karvinen, Reijo.
Therminic 2016: 22nd international workshop Thermal investigations of ICs and Systems. IEEE, 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review
- Bioimpedance measurement system for evaluation of the status of wound healing.** / Kekonen, Atte; Bergelin, Mikael; Eriksson, Jan-Erik; Ylänen, Heimo; Kielosto, Sami; Viik, Jari.
2016 15th Biennial Baltic Electronics Conference (BEC) . IEEE, 2016. p. 175-178.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review
- Pedestrian Dead Reckoning with Particle Filter for Handheld Smartphone.** / Collin, Jussi; Perttula, Arto; Parviainen, Jussi; Racko, Jan; Brida, Peter.
2016 International Conference on Indoor Positioning and Indoor Navigation (IPIN). IEEE, 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review
- Project types and industrial collaboration in project-based learning.** / Systä, Kari; Vuori, Matti; Järvinen, Hannu-Matti; Ahtee, Tero; Sten, Harri.
Proceedings of SEFI 2016 annual conference. ed. / Hannu-Matti Järvinen; Robin Clark. Tampere / Brussels : European Society for Engineering Education SEFI, 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review
- A Survey of People Movement Analytics Studies in the Context of Smart Cities.** / Lohan, Elena-Simona; Kauppinen, Tomi; Debnath, Sree Bash Chandra.
Proceedings of the FRUCT'19. 2016. p. 151-158.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review
- Continuum approach for modeling fatigue in amorphous glassy polymers. Applications to the investigation of damage mechanisms in polycarbonate.** / Holopainen, Sami; Kouhia, Reijo .

2016.

Research output: Other conference contribution › Paper, poster or abstract › Scientific

Terahertz band communications: Applications, research challenges, and standardization activities. / Petrov, Vitaly; Pyattaev, Alexander; Moltchanov, Dmitri; Koucheryavy, Yevgeni.

2016 8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE, 2016. p. 1-8.

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

Charged cable-system ESD event. / Tamminen, Pasi; Viheriäkoski, Toni.

2016 38th Electrical Overstress/Electrostatic Discharge Symposium (EOS/ESD). IEEE, 2016.

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

Charge relaxation of slowly dissipative polymers. / Viheriäkoski, Toni; Kärjä, Eira; Hillberg, Jukka; Tamminen, Pasi.

2016 38th Electrical Overstress/Electrostatic Discharge Symposium (EOS/ESD). IEEE, 2016. p. 1-9.

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

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

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

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

Modeling the utilization of a multi-tenant band in 3GPP LTE system with Licensed Shared Access. / Gudkova, Irina; Markova, Ekaterina; Masek, Pavel; Andreev, Sergey; Hosek, Jiri; Yarkina, Natalia; Samouylov, Konstantin; Koucheryavy, Yevgeni.

2016 8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE, 2016. p. 119-123.

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

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

Frontiers in Optics 2016. OSA, 2016. FTh5A.3.

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

Modelling and Simulation of Radial Spruce Compression to Optimize Energy Efficiency in Mechanical Pulping. / Moilanen, Carolina; Björkqvist, Tomas; Ovaska, Markus; Koivisto, Juha; Miksic, Amandine; Engberg, Birgitta; Salminen, Lauri; Saarenrinne, Pentti; Alava, Mikko.

2016 International Mechanical Pulping (IMPC) Conference Proceedings, Monday, September 26 - Wednesday, September 28, Jacksonville, Florida, USA. USA : TAPPI, 2016. p. 53-70 1.3.

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

Sosiaalinen media brändi- ja asiakastiedon lähteenä. / Jussila, Jari ; Helander, Nina ; Vuori, Vilma; Okkonen, Jussi.

TiedeAreena 2016. ed. / Pauliina Tuomi. Vol. 11 Pori : Tampereen teknillinen yliopisto, Porin laitos, 2016. p. 55-56.

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

Students' Use of Learning Tools and Tool Types : Solving Self-Study Assignments on an Online Platform. / Myllykoski, Tuomas; Pohjolainen, Seppo; Ali-Löytty, Simo.

SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation. European Society for Engineering Education SEFI, 2016.

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

Developing Learning and Teaching in Engineering Mathematics with and without Technology. / Joutsenlahti, Jorma; Ali-Löytty, Simo; Pohjolainen, Seppo.

SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation. European Society for Engineering Education SEFI, 2016.

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

Electronic Exam in Electronics Studies. / Laine, Katja; Sipilä, Erja; Anderson, Marjut; Sydänheimo, Lauri.
SEFI Annual Conference 2016: Engineering Education on Top of the World: Industry University Cooperation. 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Implementing of Activating Learning Strategy for a Course on Electric Drives. / Rekola, Jenni; Suntio, Teuvo.
SEFI 2016 Annual Conference Proceedings: Implementing of Activating Learning Strategy for a Course on Electric Drives. European Society for Engineering Education SEFI, 2016. p. 1-8.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Affective experiences and student engagement in higher education. / Helander, N.; Boedeker, M.; Hellsten, P.; Jussila, J.; Myllärniemi, J.; Tukiainen, M.
44th Annual Conference Of The European Society For Engineering Education: 12-15 September 2016, Tampere, Finland. Tampere, 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Students as mystery shoppers : lowering knowledge sharing barriers in higher education. / Tukiainen, M. O.
44th Annual Conference Of The European Society For Engineering Education: 12-15 September 2016, Tampere, Finland. Tampere, 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Industrial impact on topics and types of Master's theses : Empirical study of software engineering theses made in 1990-2016. / Järvinen, Hannu-Matti; Mikkonen, Tommi.
Proceedings of SEFI 2016 Annual Conference. ed. / Hannu-Matti Järvinen; Robin Clark. European Society for Engineering Education SEFI, 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

New introductory courses and teacher tutoring : Keys to an efficient beginning for university studies in engineering. / Ketola, Susanna; Sipilä, Erja; Pajarre, Eila; Takala, Jarmo.
SEFI Annual Conference 2016: Engineering Education on Top of the World: Industry University Cooperation. 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Towards better learning by increased student engagement. / Kuula, P. H.; Leppänen, M. M.; Penttilä, M. E.
Proceedings of the 44th SEFI Annual Conference 2016: 12th-15th September 2016, Tampere, Finland. ed. / Tiina Niemi; Hannu-Matti Järvinen. Tampere : European Society for Engineering Education SEFI, 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Handheld wireless authentication key and secure documents storage for the Internet of Everything. / Komar, Maria; Edelev, Sviatoslav; Koucheryavy, Yevgeni.
Proceedings of the 18th Conference of Open Innovations Association FRUCT and Seminar on Information Security and Protection of Information Technology, FRUCT-ISPIT 2016. IEEE COMPUTER SOCIETY PRESS, 2016. p. 120-130.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Validating information security framework for offloading from LTE onto D2D links. / Orsino, Antonino; Ometov, Aleksandr.
Proceedings of the 18th Conference of Open Innovations Association FRUCT and Seminar on Information Security and Protection of Information Technology, FRUCT-ISPIT 2016. IEEE COMPUTER SOCIETY PRESS, 2016. p. 241-247.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Knowledge barriers in university-industry knowledge networks. / Vuori, Vilma; Helander, Nina .
17th European Conference on Knowledge Management, At Belfast, Northern Ireland, UK.: 1-2 Sep. 2016. Academic Conferences and Publishing International Limited Reading, 2016. p. 952-959.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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

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

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

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

Capturing knowledge from research projects: From project reports to storytelling. / Machado, Marcelo A.; Magnier-Watanabe, Remy; Peltola, Tero.

2016 Portland International Conference on Management of Engineering and Technology (PICMET). IEEE, 2016. p. 2048-2057.

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

Finnish Engineering Education for Sustainable Development in 2016 - Call for collaborative learning. / Takala, Annina; Korhonen-Yrjänheikki, Kati.

SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation. European Society for Engineering Education SEFI, 2016.

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

Integrating mobile orienteering to team forming activity in a software engineering course. / Väättäjä, Heli; Ahtinen, Aino.

SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation. European Society for Engineering Education SEFI, 2016.

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

MathCheck: a tool for checking math solutions in detail. / Valmari, Antti; Kaarakka, Terhi.

SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation. European Society for Engineering Education SEFI, 2016.

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

Strengthening student engagement by integrating the contents of a flipped course around a well-confined real life theme. / Kangas, Jari; Lunden, Olli-Pekka.

SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation. 2016.

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

icellfusion : Tool for fusion and analysis of live-cell images from time-lapse multimodal microscopy. / Santinha, João; Gupta, Abhishekh; Martins, Leonardo; Annala, Teppo; Häkkinen, Antti; Mora, Andre; Lloyd-Price, Jason; Ribeiro, Andre; Oliveira, Samuel M D; Fonseca, Jose Ribeiro.

Biometrics: Concepts, Methodologies, Tools, and Applications. IGI Global, 2016. p. 806-834.

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

Learning Maths with mobiles : Cross-cultural design of technology with experiences in South-Africa and Finland. / Vainio, Teija; Walsh, Tanja.

Blended Learning: Concepts, Methodologies, Tools, and Applications. Vol. 4 IGI Global, 2016. p. 741-759.

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

Simulation of photon-photon resonance enhanced direct modulation bandwidth of DFB lasers. / Dumitrescu, M.; Uusitalo, T.; Virtanen, H.; Laakso, A.; Bardella, P.; Montrosset, I.

16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE, 2016. p. 147-148.

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

Simulation studies of DFB laser longitudinal structures for narrow linewidth emission. / Virtanen, Heikki; Uusitalo, Topi; Dumitrescu, Mihail.

16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE, 2016. p. 153-154.

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

Transverse structure optimization of laterally-coupled ridge waveguide DFB lasers. / Uusitalo, Topi; Virtanen, Heikki; Dumitrescu, Mihail.
16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE, 2016. p. 79-80
7547038.

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

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

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

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

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

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

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

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

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

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

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

Teoriaa ja kokemuksia arvioinnista MOOCien aikakaudella. / Helander, Nina ; Myllylä, Marjatta.
In: TAMPEREEN AMMATTIKORKEAKOULUN JULKAISUJA. SARJA B, RAPORTTEJA, 11.07.2016, p. 70-77.

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

Power bases in lead organization network governance form: a multi-level approach. / Suominen, Anu ; Mäenpää, Sari .
2016. Paper presented at European Group for Organizational Studies Colloquium, .

Research output: Other conference contribution › Paper, poster or abstract › Scientific

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

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

Image-based characterization of the pulp flows. / Sorokin, M.; Strokina, N.; Eerola, T.; Lensu, L.; Karttunen, K.; Kalviainen, H.

In: Pattern Recognition and Image Analysis, Vol. 26, No. 3, 01.07.2016, p. 630-637.

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

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

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

Using a synthetic probe to study the robustness of the segregation process of protein aggregates in Escherichia coli. / Ribeiro, Andre; Oliveira, Samuel.

The 8th International Conference on Bioinformatics, Biocomputational Systems and Biotechnologies (BIOTECHNO2016). IARIA, 2016. p. 21-22.

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

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

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

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

Demolished buildings : Empirical evidence on types, ages and construction materials. / Huuhka, Satu .

CESB16 - Central Europe towards Sustainable Building 2016: Innovations for Sustainable Future, June 22-24, 2016, Prague. ed. / Petr Hajek; Jan Tywoniak; Antonin Lupisek; Katerina Sojkova. Prague : Czech Technical University in Prague, 2016. p. 1105-1112.

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

Demolition Rates of Buildings with Different Functions and Construction Materials. / Huuhka, Satu .

YRSB16 - iiSBE Forum of Young Researchers in Sustainable Building 2016: Innovations for Sustainable Future June 21, 2016, Prague. ed. / Julie Zelezna; Petr Hajek; Jan Tywoniak; Antonin Lupisek; Katerina Sojkova. Prague : Czech Technical University in Prague, 2016. p. 301-307.

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

Knowledge integration method development for multi-stakeholder innovation. / Mäenpää, Sari ; Suominen, Anu ; Breite, Rainer .

Proceedings of The XXVII ISPIM Conference 2016 Porto, Portugal - 19-22 June 2016 : Blending Tomorrow's Innovation Vintage. 2016.

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

Exploring how brand experience measurement could be used for integrating marketing and R&D. / Saari, Ulla A.; Mäkinen, Saku J.

XXVII ISPIM Innovation Conference 2016: Porto, 19-22 June, 2016. 2016.

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

Multiple facets of innovation and business ecosystem research: the foci, methods and future agenda. / Aarikka-Stenroos, Leena; Peltola, Tero; Rikkiev, Andrei; Saari, Ulla.

XXVII ISPIM Innovation Conference 2016: Porto, 19-22 June, 2016. 2016. p. 1-33.

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

Being a start-upper in Italy : Motivations, obstacles and success factors. / Michele Felicetti, Alberto; Ammirato, Salvatore; Raso, Cinzia; Aramo-Immonen, Heli; Jussila, Jari .

Proceedings of the 11th forum on knowledge asset dynamics: Towards a new architecture of knowledge: big data, culture and creativity. Dresden, 2016. p. 1370-1383 182.

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

Customer lifetime value in manufacturing services. / Stormi, Kati ; Laine, Teemu ; Suomala, Petri .

Proceedings of the Manufacturing Accounting Research Conference 2016: Lisbon, Portugal, June 15-17, 2016. Belgium : European Institute for Advanced Studies in Management EIASM, 2016.

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

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

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. p. 1973-1983 249.

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

Management accounting and new service development under servitization: literature review and case studies. / Tenucci, Andrea; Laine, Teemu .
Proceedings of the Manufacturing Accounting Research Conference 2016: Lisbon, Portugal, June 15-17, 2016. 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Management accounting in managerial work: engaging facts and feelings in decision making. / Saukkonen, Natalia; Laine, Teemu ; Suomala, Petri .
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).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Improving the Situation Awareness of DSOs in Major Disturbances by Visualizing the State of Mobile Networks. / Haapanen, Jussi; Krohns-Välimäki, Heidi; Verho, Pekka.
CIRED Workshop 2016. 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Adapting service-based working culture as the key driver for organisational creativity and innovation. / Ketonen-Oksi, Sanna.
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.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Enablers and Restraints of Knowledge Work – Does profession make a difference? / Helander, Nina ; Okkonen, Jussi; Vuori, Vilma; Paavilainen, Niina; Kujala, Johanna.
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. p. 40-52.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Single-frequency 571nm VECSEL for photo-ionization of magnesium. / 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.
Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) VI. Vol. 9734 San Francisco : SPIE, 2016. 973411 (SPIE Conference Proceedings).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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. / Róg, Tomasz; Orłowski, Adam; Llorente, Alicia; Skotland, Tore; Sylvänne, Tuulia; Kauhanen, Dimple; Ekroos, Kim; Sandvig, Kirsten; Vattulainen, Ilpo.
In: Data in Brief, Vol. 7, 01.06.2016, p. 1171-1174.
Research output: Contribution to journal › Article › Scientific › peer-review

Practice of project control under different levels of complexity in engineering projects. / Vuorinen, Lauri ; Martinsuo, Miia.
EURAM (European Academy of Management) conference 2016: Manageable cooperation? June 1-4, 2016 Paris. 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Car Type Recognition with Deep Neural Networks. / Huttunen, Heikki; Shokrollahi Yancheshmeh, Fatemeh; Chen, Ke.
2016 IEEE Intelligent Vehicles Symposium, IV 2016. IEEE, 2016. p. 1115-1120.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Disruptive innovation in ecosystems: Path-creation and institutional barriers. / Ritala, Paavo; Aarikka-Stenroos, Leena.
XXVI ISPIIM 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 ISPIIM, 2016. p. 1-16.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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

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

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

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

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

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

Incremental service innovations in a manufacturing firm's delivery chain. / Nenonen, Sanna ; Vaittinen, Eija ; Martinsuo, Miia .

23rd Innovation and Product Development Management Conference (IPDMC): Glasgow, U. K. June 12-14, 2016. 2016. (Innovation and Product Development Management Conference).

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

Service orientation and innovation in the strategies of manufacturing SMEs. / Martinsuo, Miia ; Väliäho, Ville .

23rd Innovation and Product Development Management Conference (IPDMC): 12-14 June, 2016, Glasgow, U.K.. EIASM, 2016.

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

Parameters Affecting the Upcycling of Waste Cotton and PES/CO Textiles. / Vats, Shameek; Rissanen, Marja.

In: Recycling, Vol. 1, No. 1, 30.05.2016, p. 166-177.

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

Radical programmes for developing the EU residential building sectors as exemplified by Finland and the Netherlands. / Oostra, Mieke; Huovinen, Pekka .

Proceedings of the 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. p. 17-28.

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

Relevance of five generic business ideation approaches vis-a-vis contexts embedded within construction markets. / Huovinen, Pekka.

Proceedings of the CIB World Building Congress 2016, May 30 - June 3, 2016, Tampere, Finland: Advancing products and services. ed. / Nebil Achour. Vol. V Tampere : Tampere University of Technology. Department of Civil Engineering, 2016. p. 1129-1140.

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

Life-Cycle Economics of Rentable Prefabricated School Facility Units in Municipal Real Estate Procurement. / Vihola, Jaakko ; Edelman, Harry .

Proceedings of the CIB World Building Congress 2016: Volume V: Advancing Products and Services. Tampere University of Technology. Department of Civil Engineering, 2016. p. 76-87.

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

Proceedings of the CIB World Building Congress 2016 : Volume I - Creating built environments of new opportunities. / Kähkönen, Kalle (Editor); Keinänen, Marko (Editor).

Tampere University of Technology. Department of Civil Engineering, 2016. 917 p. (Tampere University of Technology. Department of Civil Engineering. Construction Management and Economics. Report; Vol. 18).

Research output: Book/Report › Anthology › Scientific › peer-review

Proceedings of the CIB World Building Congress 2016 : Volume III - Building Up Business Operations and Their Logic. Shaping Materials and Technologies. / Saari, Arto (Editor); Huovinen, Pekka (Editor).
Tampere University of Technology. Department of Civil Engineering, 2016. 743 p. (Tampere University of Technology. Department of Civil Engineering. Construction Management and Economics. Report; Vol. 18).
Research output: Book/Report > Anthology > Scientific > peer-review

Proceedings of the CIB World Building Congress 2016 : Volume IV - Understanding Impacts and Functioning of Different Solutions. / Nenonen, Suvi (Editor); Junnonen, Juha-Matti (Editor).
Tampere University of Technology. Department of Civil Engineering, 2016. 718 p. (Tampere University of Technology. Department of Civil Engineering. Construction Management and Economics. Report; Vol. 18).
Research output: Book/Report > Anthology > Scientific > peer-review

Social media analytics empowering marketing insight- A framework for analyzing affective experiences from social media content. / Jussila, Jari ; Boedeker, Mika; Jalonen, Harri; Helander, Nina.
2016. Paper presented at EMAC 2016, Oslo, Norway.
Research output: Other conference contribution > Paper, poster or abstract > Scientific

Durability study on high speed water hydraulic miniature on/off-valve. / Paloniitty, Miika.
DFP16, Proceedings of the eighth workshop on digital fluid power, May 24-25, 2016, Tampere, Finland. Tampere, 2016. p. 201-211.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

A Variable Battery Supply DC-DC Buck Converter Designed for 45nm-CMOS Technology. / Fouladi, Arash; Järvenhaara, Jani; Filanovsky, Igor M.; Tchamov, Nikolay T.
2016 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), Vancouver, May 15-18, 2016.. 2016.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

On Moderate Inversion/Saturation Regions As Approximations to "Reconciliation" Model. / Filanovsky, I.M.; Järvenhaara, J.K.; Tchamov, N.T.
2016 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), Vancouver, May 15-18, 2016. IEEE, 2016.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Optimal operation of a QCS scanner in a paper machine based on the information of QCS and WIS measurements. / Raunio, Jukka-Pekka; Ritala, Risto.
PaperCon 2016 Conference Proceedings -TAPPI. Cincinnati, USA : TAPPI, 2016. p. 1-11.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Architecture beyond signs and symbols : Zumthor's response to the problems of aesthetics. / Passinmäki, Pekka .
In: ARQ-Architectural Research Quarterly, Vol. 19, No. 4, 12.05.2016, p. 325-328.
Research output: Contribution to journal > Article > Scientific > peer-review

Adaptive fuzzy inference system based directional median filter for impulse noise removal. / Habib, Muhammad; Hussain, Ayyaz; Rasheed, Saqib; Ali, Mubashir.
In: AEU International Journal of Electronics and Communication, Vol. 70, No. 5, 01.05.2016, p. 689-697.
Research output: Contribution to journal > Article > Scientific > peer-review

Enhancing the acceptance of advanced services among users of complex systems. / Vaittinen, Eija ; Martinsuo, Miia ; Nenonen, Sanna .
Servitization: Shift, Transform, Grow: Proceedings of the Spring Servitization Conference, 16-17 May 2016 (SSC2016). ed. / Tim Baines; Dave Harrison; Judy Zolkiewski. 2016. p. 162-170.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

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

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

Strength increase below an old test embankment in Finland. / D'Ignazio, Marco; Länsivaara, Tim .

The 17th Nordic Geotechnical Meeting: Conference proceedings. Reykjavik : Icelandic Geotechnical Society, 2016. p. 357-366.

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

The effect of climate change on the amount of wind driven rain on concrete facades. / Pakkala, Toni; Lemberg, Antti-Matti ; Lahdensivu, Jukka .

Proceedings of the CIB World Building Congress 2016: Vol 2 : Environmental opportunities and challenges, Constructing commitment and acknowledging human experiences. ed. / Matthijs Prins; Hans Wamelink; Bob Giddings; Kihong Ku; Manon Feenstra. Vol. 2 Tampere : Tampere University of Technology. Department of Civil Engineering, 2016. p. 153-165.

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

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

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

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

Fully printed memristors for a self-sustainable recorder of mechanical energy. / Vilmi, Pauliina; Nelo, Mikko; Voutilainen, Juha-Veikko; Palosaari, Jaakko; Pörhönen, Juho; Tuukkanen, Sampo; Jantunen, Heli; Juuti, Jari; Fabritius, Tapio.

In: Flexible and Printed Electronics, Vol. 1, No. 2, 025002, 19.04.2016.

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

Crowdsourcing in Business-to-Business Markets: A Value Creation and Business Model Perspective. / Bernhardt, Julia; Helander, Nina ; Jussila, Jari ; Kärkkäinen, Hannu .

Encyclopedia of E-Commerce Development, Implementation, and Management. United States : IGI Global, 2016. p. 933-943 66.

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

Quenching nematicon fluctuations via photo-stabilization. / Karimi, Nazanin; Alberucci, Alessandro; Virkki, Matti; Primägi, Arri; Kauranen, Martti; Assanto, Gaetano.

In: Photonics Letters of Poland, Vol. 8, No. 1, 31.03.2016, p. 2-4.

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

Finite temperature path-integral modeling of quantum dot cellular automata. / Tiihonen, Juha; Schramm, Andreas; Kylänpää, Ilkka; Rantala, Tapio.

2016. Paper presented at PHYSICS DAYS / FYSIIKAN PÄIVÄT : ANNUAL MEETING OF THE FINNISH PHYSICAL SOCIETY, .

Research output: Other conference contribution › Paper, poster or abstract › Scientific

Sisäympäristön laadun ja terveellisuuden arviointi energiaparannuskohteissa. / Mari, Turunen; Leivo, Virpi; Pekkonen, Maria; Aaltonen, Anu ; Kiviste, Mihkel; Haverinen-Shaughnessy, Ulla.

Sisäilmastoseminaari 2016, Sisäilmayhdistys raportti 34. SIY SISÄILMATIETO OY, 2016. p. 13-18.

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

InGaAs-QW VECSEL emitting >1.300-nm via intracavity Raman conversion. / Parrotta, Daniele; Casula, Riccardo; Penttinen, Jussi-Pekka; Leinonen, Tomi; Kemp, Alan; Guina, Mircea; Hastie, Jennifer.

Vertical External Cavity Surface Emitting Lasers (VECSELs) VI. 2016. (Proceedings of SPIE).

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

Difference frequency modulation of multi-section dual-mode lasers with nanoscale surface gratings. / Uusitalo, Topi; Virtanen, Heikki; Viheriälä, Jukka; Salmi, Joel; Aho, Antti T.; Dumitrescu, Mihail.

SPIE Proceedings: Novel In-Plane Semiconductor Lasers XV. ed. / Alexey A. Belyanin; Peter M. Snowton. Vol. 9767 SPIE, 2016. 97670S (Proceedings of SPIE).

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

Random Value Impulse Noise Removal Based on Most Similar Neighbors. / Habib, Muhammad; Rasheed, Saqib; Hussain, Ayyaz; Ali, Mubashir.

2015 13th International Conference on Frontiers of Information Technology (FIT) . IEEE, 2016. p. 329-333.

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

A review study of photovoltaic array maximum power point tracking algorithms. / El-Khozondar, Hala; El-Khozondar, Rifa; Matter, Khaled ; Suntuo, Teuvo.

In: Renewables: Wind, Water, and Solar, Vol. 3, No. 1, 18.02.2016.

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

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

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

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

Lean manufacturing methods in simulation literature : Review and association analysis. / Tokola, Henri; Niemi, Esko; Väistö, Ville.

2015 Winter Simulation Conference (WSC). 2016. p. 2239-2248.

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

Optical amplifiers and lasers based on tapered fiber geometry for power and energy scaling with low signal distortion. / Filippov, Valery; Chamorovskii, Yuri K.; Golant, Konstantin M.; Vorotynskii, Andrei; Okhotnikov, Oleg G.

Proceedings of SPIE: Fiber Lasers XIII: Technology, Systems, and Applications. ed. / John Ballato. Vol. 9728 SPIE, 2016. 97280V-1 (SPIE conference proceedings).

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

A 1.5-W frequency doubled semiconductor disk laser tunable over 40 nm at around 745 nm. / Saarinen, Esa J.; Lyytikäinen, Jari; Ranta, Sanna; Rantamäki, Antti; Saarela, Antti; Sirbu, Alexei; Iakovlev, Vladimir; Kapon, Eli; Okhotnikov, Oleg G.

Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) VI. Vol. 9734 SPIE, 2016. 97340P-8 (Spie conference proceedings).

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

Accurate depth estimation from a sequence of monocular images supported by proprioceptive sensors. / Davidson, P.; Raunio, J. P.; Piché, R.

23rd Saint Petersburg International Conference on Integrated Navigation Systems, ICINS 2016 - Proceedings. State Research Center of the Russian Federation, 2016. p. 249-257.

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

A continuum damage model for creep fracture and fatigue analyses. / Kauppila, Petteri; Kouhia, Reijo; Ojanperä, Juha; Saksala, Timo; Sorjonen, Timo.

21st European Conference on Fracture, ECF21, 20-24 June 2016, Catania, Italy. 2016. p. 887–894 (Procedia Structural Integrity; Vol. 2).

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

A follow-up case study of the relation of PLM Architecture, Maturity and Business processes. / Vainio, Ville V.; Pulkkinen, Antti.

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. p. 867-873 (IFIP Advances in Information and Communication Technology; Vol. 467).

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

Agile methods in performance management system development process. / Stormi, Kati ; Laine, Teemu ; Korhonen, Tuomas .

10th Conference On New Directions In Management Accounting, Brussels, Belgium, December 14-16, 2016. 2016.

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

A mixed-integer linear programming approach for global discrete size optimization of frame structures. / Van Mellaert, R.; Mela, K.; Tiainen, T.; Heinisuo, M.; Lombaert, G.; Schevenels, M.

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. p. 3395-3408.

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

Analysis of Real Mobility Records in Urban and Suburban Environments. / Alexandru, Rusu Casandra; Lohan, Elena-Simona.

26TH DAAAM International Symposium on Intelligent Manufacturing and Automation. DAAAM International, 2016. p. 0688-0692.

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

A new waveguiding mechanism based upon geometric phase. / Alberucci, Alessandro; Pannian, Jisha C.; Slussarenko, Sergei; Piccirillo, Bruno; Santamato, Enrico; Marrucci, Lorenzo; Assanto, Gaetano.

Frontiers in Optics 2016. Optical Society of America (OSA), 2016. FF3H.3.

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

A trial of yoking-proof protocol in RFID-based smart-home environment. / Prudanov, Anton; Tkachev, Sergey; Golos, Nikolay; Masek, Pavel; Hosek, Jiri; Fujdiak, Radek; Zeman, Krystof; Ometov, Aleksandr; Bezzateev, Sergey; Voloshina, Natalia; Andreev, Sergey; Misurec, Jiri.

Distributed Computer and Communication Networks - 19th International Conference, DCCN 2016, Revised Selected Papers. Vol. 678 Springer Verlag, 2016. p. 25-34 (Communications in Computer and Information Science; Vol. 678).

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

A unified lcf-hcf model based on continuum mechanics. / Kouhia, Reijo; Holopainen, Sami ; Ottosen, Nils Saabye; Matti, Ristinmaa; Saksala, Timo .

2016. Paper presented at Nordic Seminar on Computational Mechanics, .

Research output: Other conference contribution › Paper, poster or abstract › Scientific

Back-calculation of the Saint-Alban A test embankment with a new modelling approach in LEM. / Lehtonen, V.; Länsivaara, T.

Proceedings of the The 17th Nordic Geotechnical Meeting, Reykjavik Iceland: 25th - 28th of May 2016. 2016. p. 691-699.

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

Backend infrastructure supporting audio augmented reality and storytelling. / Salo, Kari; Giova, Diana; Mikkonen, Tommi.

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. p. 325-335 (Lecture Notes in Computer Science; Vol. 9735).

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

Benefits of digitally guided buying in B2B markets. / Ojala, Mika ; Mahlamäki, Tommi .

25th annual IPSERA Conference: Dortmund, Sunday 20 March - Wednesday 23 March 2016. Dortmund, 2016.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

Building Codes and Demand Response of Energy Use. / Sorri, Jaakko; Heljo, Juhani; Järventausta, Pertti; Honkapuro, Samuli; Harsia, Pirkko.

Proceedings of the CIB World Building Congress 2016: Volume IV: Understanding Impacts and Functioning of Different Solutions. ed. / Suvi Nenonen; Juha-Matti Junnonen. Vol. 4 Tampere University of Technology. Department of Civil Engineering, 2016. p. 8-21.

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

Building energy retrofits, occupant health and wellbeing. / Haverinen-Shaughnessy, Ulla; Pekkonen, Maria; Turunen, Mari ; Aaltonen, Anu ; Leivo, Virpi.

CIB World Building Congress 2016 Proceedings : Volume 2 Environmental Opportunities and challenges - Constructing commitment and acknowledging human experiences. ed. / Matthijs Prins; Hans Wamelink; Bob Giddings; Kihong Ku;

Manon Feenstra. Vol. 2 Tampere University of Technology. Department of Civil Engineering, 2016. p. 679-687.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Bus Transportation Accessibility - Does It Impact Housing Values? / Kurvinen, Antti ; Sorri, Jaakko .

Proceedings of the CIB World Building Congress 2016: Understanding impacts and functioning of different solutions. ed. / Suvi Nenonen; Juha-Matti Junnonen. Vol. IV Tampere : Tampere University of Technology. Department of Civil Engineering, 2016. p. 321-331.

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

Campus retrofitting (CARE) methodology: a way to co-create future learning environments. / Nenonen, Suvi; Eriksson, Robert; Niemi, Olli; Junghans, Antje; Nielsen, Susanne Balslev; Lindahl, Göran.

Proceedings of the 20th CIB World Building Congress 2016: May 30-June 3, 2016, Tampere, Finland. 2016. p. 738-749.

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

Characterising the industrial context of engineering change management. / Pulkkinen, Antti; Huhtala, Petri; Leino, Simo-Pekka; Anttila, Juha Pekka; Vainio, Ville V.

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. p. 618-627 (IFIP Advances in Information and Communication Technology; Vol. 467).

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

Commercialising reclaimed materials in earthworks – guidelines for productization and the process of appending these materials in the Finnish national code of practice. / Koivisto, K.; Forsman, J.; Ronkainen, M.; Lahtinen, P.; Kolisoja, P.; Kuula, P.

Proceedings of the 17th Nordic Geotechnical Meeting Reykjavik Iceland: Challenges in Nordic Geotechnic 25th - 28th of May. Reykjavik : Icelandic Geotechnical Society, 2016.

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

Computer-supported collaborative learning : Praxes in new cell-oriented configurable PC-classroom. / Pyrhönen, Veli-Pekka; Seppälä, Jari; Salmenperä, Mikko.

SEFI conference 2016: Engineering Education on Top of the World: Industry University Cooperation. 2016.

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

Computer vision aided navigation systems. / Davidson, P.; Merkulova, I.

23rd Saint Petersburg International Conference on Integrated Navigation Systems, ICINS 2016 - Proceedings. State Research Center of the Russian Federation, 2016. p. 560-562.

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

Consensus building in the pre-design phase of building projects. / Keinänen, Marko ; Uotila, Ulrika ; Sorri, Jaakko ; Teriö, Olli ; Kähkönen, Kalle .

WBC16 Proceedings of the CIB World Building Congress 2016 Volume II : Environmental Opportunities and challenges, Constructing commitment and acknowledging human experiences. ed. / Matthijs Prins; Hans Wamelink; Bob Giddings; Kihong Ku; Manon Feenstra. Vol. Volume II Tampere University of Technology. Department of Civil Engineering, 2016. p. 561-572 (Tampere University of Technology. Department of Civil Engineering. Construction Management and Economics.).

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

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

Cired Workshop 2016. 2016. 0240.

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

Design and simulation of a thermal flow sensor for gravity-driven microfluidic applications. / Mäki, Antti-Juhana; Kontunen, Anton; Ryytänen, Tomi; Verho, Jarmo; Kreutzer, Joose; Lekkala, Jukka; Kallio, Pasi.

IEEE 11th Annual International Conference on Nano/Micro Engineered and Molecular Systems (NEMS). IEEE, 2016. p. 125-129.

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

Development of students' multidisciplinary collaboration skills by simulation of the design process. / Salmisto, Alpo; Keinänen, Marko; Kähkönen, Kalle.
Proceedings of the CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities.. Vol. 1 2016. p. 348-360.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

DIC measurements of the human heart during cardiopulmonary bypass surgery. / Hokka, Mikko; Mirow, Nikolas; Nagel, Horst; Vogt, Sebastian; Kuokkala, Veli-Tapani.
Conference Proceedings of the Society for Experimental Mechanics Series. Vol. 6 Springer New York LLC, 2016. p. 51-59.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Different approaches of the PLM maturity concept and their use domains –analysis of the state of the art. / Kärkkäinen, Hannu; Silventoinen, Anneli.
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. p. 89-102 (IFIP Advances in Information and Communication Technology; Vol. 467).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Diffraction compensation of finite beams in hyperbolic metamaterials. / Pannian, Jisha C.; Alberucci, Alessandro; Boardman, Allan; Assanto, Gaetano.
Laser science 2016. Optical Society of America (OSA), 2016. JW4A.10.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Direct Measurement of Temporal Rogue Waves Generated by Spontaneous Modulation Instability. / Narhi, Mikko; Wetzel, Benjamin; Billet, Cyril; Merolla, Jean-Marc; Toenger, Shanti; Sylvestre, Thibaut; Morandotti, Roberto; Dias, Frédéric; Genty, Goëry; Dudley, John M.
Frontiers in Optics 2016. Optical Society of America, 2016. FTu3I.4 .
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Dots-on-the-fly electron beam lithography. / Isotalo, Tero J.; Niemi, Tapio.
SPIE Proceedings: Alternative Lithographic Technologies VIII. ed. / Christopher Bencher. Vol. 9777 SPIE, 2016. 97771E (Proceedings of SPIE).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Educating future coders with a holistic ICT curriculum and new learning solutions. / Niemelä, Pia; Di Flora, Cristiano; Helevirta, Martti; Isomöttönen, Ville.
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. p. 132-136.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Empowerment in construction: a qualitative analysis of subcontractors' quality assurance. / Viita, Jussi; Junnonen, Juha-Matti.
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. p. 436-448.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Enhancing old laboratory experiment using flipped learning : Towards self-regulating collaborative groups in blended learning environment. / Pyrhönen, Veli-Pekka.
SEFI conference 2016: Engineering Education on Top of the World: Industry University Cooperation. 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Evolution equations based approach for modeling of fatigue in amorphous glassy polymers. On the investigation of fatigue damage development in polycarbonate. / Holopainen, Sami.
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. ed. /

M. Papadarakakis; V. Papadopoulos; G. Stefanou; V. Plevris . 2016. p. 6675-6687.

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

Extending Professional Fields. Architectural Research and Regional Development. / Hynynen, Ari .

Proceedings of the CIB World Building Congress 2016.: Volume I - Creating built environments of new opportunities. ed. / Kalle Kähkönen; Marko Keinänen. Vol. I Tampere University of Technology. Department of Civil Engineering, 2016. p. 372-383.

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

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

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

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

Full-Field Temperature and Strain Measurement in Dynamic Tension Tests on SS 304. / Smith, Jarrod; Kuokkala, Veli-Tapani; Seidt, Jeremy; Gilat, Amos.

Dynamic Behavior of Materials, Volume 1: Proceedings of the 2016 Annual Conference on Experimental and Applied Mechanics. Springer International Publishing, 2016. p. 37-44 (Conference proceedings of the Society for Experimental Mechanics).

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

Functionalizing Surface Electrical Potential of Hydroxyapatite Coatings. / Pluduma, Liene; Freimanis, Edijs; Gross, Karlis; Koivuluoto, Heli; Algate, Kent; Haynes, David; Vuoristo, Petri.

11th International Conference Medical Applications of Novel Biomaterials and Nanotechnology. Vol. 102 2016. p. 12-17 (Advances in Science and Technology; Vol. 102).

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

Functional model for organisational and safety culture. / Porkka, Pasi L.

Chemical Engineering Transactions. Italian Association of Chemical Engineering AIDIC, 2016. p. 907-912 (Chemical Engineering Transactions; Vol. 48).

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

Future in wood? Timber construction in boosting local development. / Hynynen, Ari .

In: European Spatial Research and Policy, Vol. 23, No. 1, 2016, p. 127-139.

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

High Dynamic Range Single-Shot Spectral Measurements of Spontaneous Modulation Instability. / Närhi, Mikko; Tengvall, M.; Toivonen, J.; Dudley, John M.; Genty, Goëry.

Frontiers in Optics 2016. Optical Society of America (OSA), 2016. FF2B.1.

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

High efficiency dilute nitride solar cells : Simulations meet experiments. / Tukiainen, A.; Aho, A.; Polojärvi, V.; Ahorinta, R.; Guina, M.

In: Journal of Green Engineering, Vol. 5, No. 3-4, 8, 2016, p. 113-132.

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

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

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

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

High-temperature sliding wear behaviour of thermally sprayed Cr₃C₂-based coatings. / Matikainen, Ville; Bolelli, Giovanni; Koivuluoto, Heli; Sassatelli, Paolo; Lusvarghi, Luca; Vuoristo, Petri.

Proceedings of The 17th Nordic Symposium on Tribology - NORDTRIB 2016. 2016.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

How is it sustainable? Identifying key indicators for sustainable educational design. / Sandström, N.; Hytti, V.; Nenonen, S. ; Lonka, K.

10th INTED 2016 Conference Proceedings: 7-9 March, 2016, Valencia, Spain. ed. / L. Gómez Chova; A. López Martínez; I. Candel Torres. 2016. p. 4217-4219 (INTED proceedings).

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

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

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.

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

Identifying and measuring customer value - case multi-locational worker. / Vasell, Tytti; Vuolle, Maiju; Petrulaitiene, Vitalija ; Nenonen, Suvi; Jylhä, Tuuli.

Research papers for EuroFM's 15th research symposium at EFMC2016: 8-9 June 2016 in Milan, Italy. ed. / Susanne Nielsen; Per Anker Jensen. EuroFM, 2016. p. 143-151.

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

Improved properties for packaging materials by nanoscale surface modification and ALD barrier coating. / Lahti, Johanna; Lavonen, Juho; Lahtinen, Kimmo; Johansson, Petri; Seppänen, Tarja; Cameron, David C.

TAPPI International Conference on Nanotechnology for Renewable Materials 2016. Vol. 2 TAPPI Press, 2016. p. 684-706.

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

Influence of environmental conditions on EMF levels in a span of overhead transmission lines. / Okun, Oleksandr; Kravchenko, Yurii; Korpinen, Leena.

In: Progress in Electromagnetics Research C, Vol. 63, 2016, p. 163-171.

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

Institutional development is the key for sustainable water services in the built environment. / Katko, Tapio S.; Hukka, Jarmo J.

Proceedings of the CIB World Building Congress 2016: Volume IV - Understanding impacts and functioning of different solutions. ed. / S. Nenonen; J-M. Junnonen. Tampere : Tampere University of Technology. Department of Civil Engineering, 2016. p. 419-430.

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

Integrated urban water management, the green economy and institutional eco-innovations. / Hukka, Jarmo J.; Nyanchaga, Ezekiel Nyangeri; Katko, Tapio S.

Proceedings of the CIB World Building Congress 2016: Volume III - Building up business operations and their logic. Shaping materials and technologies. ed. / Arto Saari; P. Huovinen. Tampere : Tampere University of Technology. Department of Civil Engineering, 2016. p. 260-271.

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

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

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

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

Is languaging experienced to improve understanding of structural mechanics? / Rundgren, Aatu; Joutsenlahti, Jorma; Mäkinen, Jari.

44th SEFI 2016 Annual Conference: 12-15 September 2016 in Tampere, Finland. 2016.

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

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

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.

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

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

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

Learning for sustainable water and sanitation services. / Takala, Annina.

Proceedings of the 8th International Conference on Engineering Education for Sustainable Development (Bruges, 4-7 September 2016) : Building a circular economy together. ed. / B. Mazijn. Brugge : Instituut vóór Duu rzame Ontwikkeling vzw, 2016. p. 250-258 D.3.2.

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

Linear and nonlinear light beam propagation in chiral nematic liquid crystal waveguides. / Laudyn, Urszula A.; Kwaśny, Michał; Jung, Paweł S.; Trippenbach, Marek; Assanto, Gaetano; Karpierz, Mirosław A.

In: Photonics Letters of Poland, Vol. 8, No. 1, 2016, p. 11-13.

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

Long-term effects of purchasing: fact or fiction? / Heikkilä, Jussi; Jääskeläinen, Aki; Thitz, Otto.

Proceedings of 25th IPSERA 2016 conference, 20-23.3.2016, Dortmund, Germany. . International Purchasing and Supply Education and Research Association IPSERA, 2016.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

Mathematical Parametrisation of Irradiance Transitions Caused by Moving Clouds for PV System Analysis. / Lappalainen, Kari; Valkealahti, Seppo.

32nd European Photovoltaic Solar Energy Conference and Exhibition (32nd EU PVSEC), 20–24 June, 2016, Munich, Germany . 2016. p. 1485-1489.

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

Mining smart meter data - Case Finland. / Mutanen, Antti; Niska, Harri; Järventausta, Pertti.

CIREC Workshop 2016. Institution of Engineering and Technology, 2016.

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

Moisture and building processes in Finland. / Teriö, Olli ; Hämäläinen, Jari; Uotila, Ulrika ; Sorri, Jaakko ; Saari, Arto .

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).. ed. / Kalle Kähkönen; Marko Keinänen. Vol. I Tampere : Tampere University of Technology. Department of Civil Engineering, 2016. p. 907-917.

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

Multiaxial magneto-mechanical modelling of electrical machines with hysteresis. / Rasilo, Paavo; Aydin, Ugur; Singh, Deepak; Martin, Florian; Kouhia, Reijo; Belahcen, Anouar; Arkkio, Antero.

Proceedings of the 8th IET International Conference on Power Electronics, Machines and Drives, PEMD 2016. IET, The Institution of Engineering and Technology, 2016.

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

Multicarrier modulation for HF communications. / Yli-Kaakinen, Juha; Renfors, Markku; Tuomivaara, Hannu.

2016 International Conference on Military Communications and Information Systems (ICMCIS) . IEEE, 2016.

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

Nanoscale barrier coating on BOPP packaging film by ALD. / Lahti, Johanna.

TAPPI PLACE Conference 2016: Exploring New Frontiers. TAPPI Press, 2016. p. 493-505.

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

Need of Services and Understanding of Service Providers in Water and Sanitation: A Case of Ethiopia. / Behailu, Beshah M.; Mattila, Harri.

Proceedings of the CIB World Building Congress 2016 Volume IV: Understanding impacts and functioning of different solutions. ed. / Suvi Nenonen; Juha-Matti Junnonen. Tampere University of Technology, 2016. p. 431-440.

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

Negotiating water governance: towards cooperation in contentious groundwater recharge projects. / Kurki, Vuokko.

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. p. 91-102.

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

New value chains to construction: advancing products and services. / Virtanen, Juho-Pekka; Hyyppä, Hannu; Stähle, Pirjo; Kalliokoski, Sami; Kähkönen, Kalle E.; Ahlavo, Marika; Launonen, Pentti; Hyyppä, Juha; Kukko, Antero; Julin, Arttu.

Proceedings of the 20th CIB World Building Congress 2016: Advancing products and services. ed. / Nebil Achour. Vol. V Tampere University of Technology. Department of Civil Engineering, 2016. p. 954-965.

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

Nonperturbative nonlinear optics in liquid crystals. / Alberucci, Alessandro; Piccardi, Armando; Kravets, Nina; Buchnev, Oleksander; Pannian, Jisha C.; Assanto, Gaetano.

Laser science 2016. Optical Society of America (OSA), 2016. JW4A.12.

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

On Detecting the Shape of an Unknown Object in an Electric Field. / Humaloja, Jukka-Pekka; Hämäläinen, Timo; Pohjolainen, Seppo.

Progress in Industrial Mathematics at ECMI 2014. ed. / G. Russo; V. Capasso; G. Nicosia; V. Romano. Springer International Publishing, 2016. (Mathematics in Industry; Vol. 22).

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

On Polyglot Programming in the Web. / Harmanen, Juhana; Mikkonen, Tommi.

Modern Software Engineering Methodologies for Mobile and Cloud Environments. IGI Global, 2016. p. 102-119.

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

Optical fiber amplifier with spectral compression elements for high-power laser pulse generation. / Fotiadi, Andrei A.; Korobko, Dmitry A.; Okhotnikov, Oleg G.; Zolotovskii, Igor O.

Nonlinear Optics and its Applications IV. Vol. 9894 SPIE, 2016. 989411 (Proceedings of SPIE; Vol. 9894).

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

Perspective of Social Usability in the Change Processes of an Academic Workplace. / Kostiainen, Emma; Nenonen, Suvi.

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. p. 688-701.

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

Probabilistic Framework for Modelling the Evolution of Geomorphic Features in 10,000-Year Time Scale: The Eurajoki River Case. / Pohjola, Jari; Turunen, Jari; Lipping, Tarmo; Ikonen, Ari T.K.

Geospatial Data in a Changing World: Selected papers of the 19th AGILE Conference on Geographic Information Science. Springer Verlag, 2016. p. 369-382 (Lecture Notes in Geoinformation and Cartography).

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

Proceedings of the 26th International Conference on Information Modelling and Knowledge Bases - EJC 2016 : June 6-10, 2016, Tampere, Finland. / Jaakkola, Hannu (Editor); Thalheim, Bernhard (Editor); Kiyoki, Yasushi (Editor); Yoshida, Naofumi (Editor).

Tampere : Tampere University of Technology, 2016. (Tampere University of Technology, Pori Department Publications).

Research output: Book/Report › Anthology › Scientific › peer-review

Proceedings of the Detection and Classification of Acoustic Scenes and Events 2016 Workshop (DCASE2016). /

Virtanen, Tuomas (Editor); Mesaros, Annamaria (Editor); Heittola, Toni (Editor); Plumbley, Mark D. (Editor); Foster, Peter (Editor); Benetos, Emmanouil (Editor); Lagrange, Mathieu (Editor).

Tampere University of Technology. Department of Signal Processing, 2016. 119 p.
Research output: Book/Report > Anthology > Scientific > peer-review

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

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

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

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

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

CLEO: QELS_Fundamental Science 2016. Optical Society of America, 2016. FF2A.7.

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

Recognising the culture context in information search. / Jaakkola, Hannu ; Thalheim, Bernhard.

Proceedings of the 26th International Conference on Information Modelling and Knowledge Bases - EJC 2016. : June 6-10, 2016, Tampere, Finland. . ed. / Hannu Jaakkola; Bernhard Thalheim; Yasushi Kiyoki; Naofumi Yoshida. Vol. 18
Tampere : Tampere University of Technology Pori Department, 2016. p. 167-185 (Tampere University of Technology Pori Department Publications; No. 18).

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

Reinforcement Corrosion Modelling in Renovation Strategy for Concrete Facades. / Köliö, Arto; Lahdensivu, Jukka; Pentti, Matti.

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. p. 199-211.

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

Relations between civil engineering students' approaches to learning, perceptions of the development of professional skills and perceived workload. / Salmisto, A.; Postareff, L.; Nokelainen, P.

44th Annual Conference of the European Society for Engineering Education SEFI2016: Proceedings: 12-15 September 2016, Tampere, Finland. 2016.

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

Resource – Space Charts for Construction Workspace Scheduling. / Bragadin, Marco A.; Kähkönen, Kalle.

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. p. 677-688.

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

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

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

Role of Power and Sense Making in the Briefing of a Small Renovation Project. / Naaranoja, Marja; Kähkönen, Kalle; Keinänen, Marko.

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. p. 611-621.

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

Role of Water Cooperatives in Water Service Production - Lessons from Finland and Denmark. / Pietilä, Pekka; Arvonen, Vesa; Katko, Tapio.
Proceedings of the 20th CIB World Building Congress 2016: May 30 – June 3, 2016 Tampere Finland. ed. / Nebil Achour. Vol. V Tampere University of Technology, 2016. p. 1152-1161.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Short range HF radio channel measurements: Search for one path channels. / Saarnisaari, Harri; Hovinen, Veikko; Tuomivaara, Hannu; Yli-Kaakinen, Juha.
2016 International Conference on Military Communications and Information Systems (ICMCIS) . 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Simultaneous binary hash and features learning for image retrieval. / Frantc, V. A.; Makov, S. V.; Voronin, V. V.; Marchuk, V. I.; Semenishchev, E. A.; Egiazarian, K. O.; Agaian, S.
Mobile Multimedia/Image Processing, Security, and Applications 2016. SPIE, 2016. 986902 (SPIE Conference Proceedings; Vol. 9869).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Single Shot Time Domain Ghost Imaging using Wavelength Multiplexing. / Ryczkowski, Piotr; Barbier, Margaux; Friberg, Ari Tapio; Dudley, John M.; Genty, Goëry.
Frontiers in Optics 2016. Optical Society of America (OSA), 2016. FTh5C.6.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Site-controlled InAs Quantum Dots for Plasmonics. / Hakkarainen, Teemu; Tommila, Juha; Schramm, Andreas; Simonen, Janne; Niemi, Tapio; Strelow, Christian; Kipp, Tobias; Kontio, Juha; Guina, Mircea.
Conference on Lasers and Electro-Optics 2016: QELS_Fundamental Science. OSA - The Optical Society, 2016. FM1B.3 .
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Sound Event Detection in Multichannel Audio Using Spatial and Harmonic Features. / Adavanne, Sharath; Parascandolo, Giambattista; Pertilä, Pasi; Heittola, Toni; Virtanen, Tuomas.
Proceedings of the Detection and Classification of Acoustic Scenes and Events 2016 Workshop (DCASE2016). Tampere University of Technology. Department of Signal Processing, 2016. p. 6-10.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Spatial borders and affordances of a temporary school building – Enhancing the school engagement and learning experience. / Airo, Kaisa; Vaara, Lauri; Nenonen, Suvi.
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. p. 715-725.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

STACK assignments in university mathematics education. / Mäkelä, Ari-Mikko; Ali-Löytty, Simo; Humaloja, Jukka-Pekka; Joutsenlahti, Jorma; Kauhanen, Janne; Kaarakka, Terhi.
Proceedings of the 44th SEFI Conference, 12 - 15 September 2016, Tampere, Finland. European Society for Engineering Education SEFI, 2016.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Surrogate modeling for initial rotational stiffness of welded tubular joints. / Garifullin, M. R.; Barabash, A. V.; Naumova, E. A.; Zhuvak, O. V.; Jokinen, T.; Heinisuo, M.
In: Magazine of Civil Engineering, Vol. 63, No. 3, 2016, p. 53-76.
Research output: Contribution to journal › Article › Scientific › peer-review

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

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

Target tracking via combination of particle filter and optimisation techniques. / Hosseini, Seyyed Soheil Sadat; Jamali, Mohsin M.; Astola, Jaakko; Gorsevski, Peter V.

In: International Journal of Mathematical Modelling and Numerical Optimization, Vol. 7, No. 2, 2016, p. 212-229.

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

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

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Professional

The Workplace for Researchers – Enhancing Concentration and Face-to-face Interaction. / Huhtelin, Mervi; Nenonen, Suvi

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. p. 753-764.

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

Towards responsive workspaces - identification of service paths for time-and-place independent work. / Petrulaitiene, Vitalija; Rytönen, Eelis; Nenonen, Suvi.

Proceedings of the 20th CIB World Building Congress 2016: May 30 – June 3, 2016 Tampere Finland. ed. / Nebil Achour. Vol. V Tampere University of Technology, 2016. p. 1141-1151.

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

Two models for hydraulic cylinders in flexible multibody simulations. / Ylinen, Antti; Mäkinen, Jari; Kouhia, Reijo.

Computational Methods for Solids and Fluids: Multiscale Analysis, Probability Aspects and Model Reduction. Springer, 2016. p. 463-493 (Computational Methods in Applied Sciences; Vol. 41).

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

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

Research output: Other conference contribution > Paper, poster or abstract > Scientific

Validation of the method to evaluate the corrosion propagation stage by hygrothermal simulation. / Ilomets, Simo; Kalamees, Targo; Lahdensivu, Jukka.

CESB 2016 - Central Europe Towards Sustainable Building 2016: Innovations for Sustainable Future. Czech Technical University in Prague, 2016. p. 1113-1120.

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

Ventilation rates and CO2-levels before and after energy retrofit in Finnish apartment buildings. / Leivo, Virpi; Aaltonen, Anu ; Turunen, Mari ; Du, Liuliu; Kiviste, Mihkel; Haverinen-Shaughnessy, Ulla.

CLIMA 2016 - Proceedings of the 12th REHVA World Congress. Aalborg. Aalborg University. Department of Civil Engineering. : Volume 1. Building Retrofit. ed. / Per Kvols Heiselberg. Vol. 1 Aalborg : Aalborg university, Department of Civil Engineering, 2016. 192 (in vol 1).

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

Visual narratives in the value chain of new management accounting knowledge. / Nyuppieva, Ekaterina; Laine, Teemu ; Lyly-Yrjänäinen, Jouni.

10th Conference On New Directions In Management Accounting: Brussels, Belgium, December 14-16, 2016. 2016.

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

Обзор параметрических методов позиционирования на основе концепции отпечатка пальца. / Müller, Philipp; Raitoharju, Matti; Ali-Löytty, Simo; Wirola, Laura; Piche, Robert.

In: Giroskopiya I Navigatsiya, Vol. 24, No. 1, 2016, p. 3-35.

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

Turvallisuuden johtajat - Esimiesten johtajuus, osaaminen ja sitoutuminen. / Tappura, Sari; Hyytinen, Toni ; Kivistö-Rahnasto, Jouni ; Nenonen, Noora ; Vasara, Juha .
Tampere : Tampereen teknillinen yliopisto; Tampereen yliopisto, 2015. 144 p.
Research output: Book/Report > Commissioned report > Professional

Bispectrum-based demodulation technique using triple-channel heterodyning of triplet-signal. / Naumenko, V.; Solodovnik, V.; Totsky, A.; Zelensky, A.; Astola, J.
2015 Second International Scientific-Practical Conference Problems of Infocommunications Science and Technology (PIC S&T). IEEE, 2015. p. 224-226.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

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

Method of data compression for traffic monitoring. / Kozhemiakina, Nadejda; Lukin, Vladimir; Ponomarenko, Nikolay; Akulynichev, Artem; Astola, Jaakko; Egiazarian, Karen.
2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings. IEEE, 2015. p. 153-156.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Platform Competences to Enhance Network Effects in Business Ecosystems. / Seppänen, Marko; Dedehayir, Ozgur; Still, Kaisa; Valkokari, Katri; Suominen, Arho.
2015 ISPIM Innovation Summit in Brisbane, Australia - 6-9 December 2015. International Society for Professional Innovation Management ISPIM, 2015.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Preparation and antimicrobial characterization of silver-containing packaging materials for meat. / Kuuliala, L.; Pippuri, T.; Hultman, J.; Auvinen, S.-M.; Kolppo, K.; Nieminen, T.; Karp, Matti; Björkroth, J.; Kuusipalo, J.; Jääskeläinen, E.
In: Food Packaging and Shelf Life, Vol. 6, 67, 01.12.2015, p. 53-60.
Research output: Contribution to journal > Article > Scientific > peer-review

LTCC-Based Multi-Electrode Arrays for 3D in Vitro Cell Cultures. / Bartsch, H.; Himmerlich, M.; Fischer, M.; Demko, L.; Hyttinen, J.; Schober, A.
In: Journal of Ceramic Science and Technology, Vol. 6, No. 4, 12.2015, p. 315-324.
Research output: Contribution to journal > Article > Scientific > peer-review

Time-resolved characterization of primary and secondary particle emissions of a modern gasoline passenger car. / Karjalainen, P.; Timonen, H.; Saukko, E.; Kuuluvainen, H.; Saarikoski, S.; Aakko-Saksa, P.; Murtonen, T.; Dal Maso, M.; Ahlberg, E.; Svenningsson, B.; Brune, W. H.; Hillamo, R.; Keskinen, J.; Rönkkö, T.
In: Atmospheric Chemistry and Physics Discussions, Vol. 15, No. 22, 25.11.2015, p. 33253-33282.
Research output: Contribution to journal > Article > Scientific > peer-review

SimpleTree : An Efficient Open Source Tool to Build Tree Models from TLS Clouds. / Hackenberg, Jan; Spiecker, Heinrich; Calders, Kim; Disney, Mathias; Raumonon, Pasi.
In: Forests: Open Access Journal, Vol. 6, No. 11, 23.11.2015, p. 4245-4294.
Research output: Contribution to journal > Article > Scientific > peer-review

Organic Chromophores in Self-Assembled Monolayers and Supramolecular Arrays. / Sariola-Leikas, Essi.
Tampere University of Technology, 2015. 58 p. (Tampere University of Technology. Publication; Vol. 1334).
Research output: Book/Report > Doctoral thesis > Collection of Articles

What Engineering Scientists Know and How They Know It : Towards Understanding the Philosophy of Engineering Science in Finland. / Naukkarinen, Johanna.
Tampere University of Technology, 2015. 205 p. (Tampere University of Technology. Publication; Vol. 1344).

Research output: Book/Report › Doctoral thesis › Monograph

MYSTERY SHOPPERS RECOGNISING KNOWLEDGE SHARING BARRIERS IN HIGHER EDUCATION. / Tukiainen, Mika ; Helander, Nina ; Mäkinen, Marita.
ICERI2015 Proceedings: 8th annual International Conference of Education, Research and Innovation Seville (Spain).
16th - 18th of November, 2015. . 2015.

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

University Students' Perceptions of Academic Writing: An Academic Literacies Perspective. / Tukiainen, Mika ; Mäkinen, Marita; Helander, Nina .
ICERI2015 Proceedings: 8th annual International Conference of Education, Research and Innovation Seville (Spain).
16th - 18th of November, 2015.. 2015. p. 7589-7595.

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

Markov Chain Monte Carlo Estimation of Stochastic Volatility Models with Finite and Infinite Activity Lévy Jumps : Evidence for Efficient Models and Algorithms. / Yang, Hanxue.

Tampere University of Technology, 2015. 107 p. (Tampere University of Technology. Publication; Vol. 1331).

Research output: Book/Report › Doctoral thesis › Monograph

Fractional Ornstein-Uhlenbeck Processes. / Kaarakka, Terhi.

Tampere University of Technology, 2015. 102 p. (Tampere University of Technology. Publication; Vol. 1338).

Research output: Book/Report › Doctoral thesis › Monograph

Social Media in Business-to-Business Companies' Innovation. / Jussila, Jari .

Tampere University of Technology, 2015. 70 p. (Tampere University of Technology. Publication; Vol. 1333).

Research output: Book/Report › Doctoral thesis › Collection of Articles

Energy Retrofits in Multi-family Buildings in North-east Europe: The Impacts on Thermal Conditions. / Du, Liuliu; Leivo, Virpi ; Prasauskas, Tadas ; Turunen, Mari; Kiviste, Mihkel; Martuzevicius, Dainius; Haverinen-Shaughnessy, Ulla.
In: Energy Procedia, Vol. 78, 11.2015, p. 860-864.

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

Value Creation in Private Equity : A Case Study of Outperforming Buyouts in the Nordic Countries. / Hannus, Simon .

Tampere University of Technology, 2015. 180 p. (Tampere University of Technology. Publication; Vol. 1328).

Research output: Book/Report › Doctoral thesis › Monograph

ÄKK-hankkeen suositukset tulevaisuuden ääneneristysmääräyksiä koskien. / Hongisto, Valtteri; Kylliäinen, Mikko ; Hyönä, Jukka.

Rakennusfysiikka 2015. Tampere : Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 561-566.

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

Menetelmä parvekelasien ääneneristävyden mitoittamiseksi liikennemelualueilla. / Kovalainen, Ville; Kylliäinen, Mikko.

Rakennusfysiikka 2015. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 617-622.

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

Puurunkoisten tuuletettujen yläpohjien kosteustekninen toiminta. / Junttila, Hannanoora; Laukkarinen, Anssi ; Vinha, Juha .

Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere.. ed. / Juha Vinha; Tiina Ruuska. Tampere : Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 77-82 (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu; No. 4).

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

Puuvälipohjien akustiset ominaisuudet. / Latvanne, Pekka; Kylliäinen, Mikko.

Rakennusfysiikka 2015. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 567-572.

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

By64 Tuulettuvat julkisivut 2016 -suunnittelu- ja toteusohjeen laadinta. / Annila, Petri; Lahdensivu, Jukka; Pikkuvirta, Jussa ; Pakkala, Toni.

Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. ed. / Juha Vinha; Tiina Ruuska. Tampere : Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 109-114.

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

Energiätehoisuus rakennusalan ammattityövoiman täydennyskoulutuksessa. / Teriö, Olli; Sorri, Jaakko.

Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. ed. / Juha Vinha; Tiina Ruuska. Tampere : Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 97-102.

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

Hometalolle suoritettavat toimenpiteet ja niiden valinta - case-esimerkki. / Kankkunen, Tuukka; Kero, Paavo.

Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. ed. / Juha Vinha; Tiina Ruuska. Tampere : Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 265-270.

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

Kapillaaristen vedenmuominaisuuksien määrittämiseen sopivan vapaan vedenimukoelaitteiston kehittäminen. /

Tuominen, Eero; Vinha, Juha.

Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. ed. / Juha Vinha; Tiina Ruuska. Tampere : Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 233-238.

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

Koko Julkisivua peittävän lasijulkisivun vaikutus Etelä-Ruotsissa sijaitsevan rakennuksen energiatehokkuuteen. / Hilliaho,

Kimmo ; Nordquist, Birgitta; Wallentén, Petter.

Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. ed. / Juha Vinha; Tiina Ruuska. Tampere : Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 509-516 (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu 4; No. 4).

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

Laastien vedenimukertoimen määrittämisen virhelähdekokeet. / Tuominen, Eero; Vinha, Juha.

Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. ed. / Juha Vinha; Tiina Ruuska. Tampere : Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 239-244.

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

Laastin ja betonin lämmönjohtavuuden ja ominaislämpökapasiteetin määrittäminen lämpövirtalevyllä. / Ruuska, Tiina

; Vinha, Juha.

Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. ed. / Juha Vinha; Tiina Ruuska. Tampere : Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 227-232.

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

Lasitetun parvekkeen lämpötilan ja lämpöhäviöiden laskenta. / Laukkarinen, Anssi ; Hilliaho, Kimmo .

Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. ed. / Juha Vinha; Tiina Ruuska. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 181-186 (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu; No. 4).

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

Onnistumistekijät valtion tukemissa homekorjaushankkeissa. / Marttila, Tero ; Suonketo, Jommi ; Kero, Paavo ; Annila, Petri .

Rakennusfysiikka 2015: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut, 20-22.10.2015, Tampere. ed. / Juha Vinha; Tiina Ruuska. Vol. 4 Tampere : Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 253-258 152.

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

Pystytäänkö haitallisia ilmanvaihdivikoja havaitsemaan ja poistamaan. / Heljo, Juhani; Kauppinen, Timo.
Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. ed. / Juha Vinha; Tiina Ruuska. Tampere : Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, 2015. p. 325-330.

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