

Integrating III-V, Si, and polymer waveguides for optical interconnects: RAPIDO

Aalto, T., Harjanne, M., Offrein, B. J., Caër, C., Neumeier, C., Malacarne, A., Guina, M., Sheehan, R. N., Peters, F. H. & Melanen, P., 2016, *Optical Interconnects XVI*. SPIE, 97530D. (Proceedings of SPIE; vol. 9753).

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

An accurate small-signal model of a three-phase VSI-based photovoltaic inverter with LCL-filter

Aapro, A., Messo, T. & Suntio, T., 2015, *9th International Conference on Power Electronics and ECCE Asia (ICPE-ECCE Asia)*. p. 2267-2274 8 p.

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

Effect of active damping on the output impedance of PV inverter

Aapro, A., Messo, T. & Suntio, T., 2015, *IEEE 16th Workshop on Control and Modeling for Power Electronics (COMPEL)*. 8 p.

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

Initiation processes and initiation contributors illustrated by Norwegian-South Korean business relationships

Aarikka-Stenroos, L., Aaboen, L. & Rølfen, A., 27 Aug 2015, *The 31st IMP Conference 2015, Kolding, Denmark.. Vagn Freytag, P. & Højbjerg Clarke, A. (eds.)*. Kolding, Denmark, 28 p.

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

Distributors As Market Orientation Agents in Innovation Development and Commercialization.

Aarikka-Stenroos, L. & Talvitie, M., 14 Jun 2015, *The Proceedings of the XXVI ISPIM Conference 2015 Budapest, Hungary*. Denmark: International Society for Professional Innovation Management ISPIM, 17 p.

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, L., Peltola, T., Rikkiev, A. & Saari, U., 19 Jun 2016, *XXVII ISPIM Innovation Conference 2016: Porto, 19-22 June, 2016*. p. 1-33

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, L., Boedeker, S., Köppä, L. & Langwaldt, J., Dec 2016, *In the Proceedings of ISPIM Innovation Summit. The International Society for Professional Innovation Management (ISPIM). : 4-7 December 2016, Kuala Lumpur, Malaysia..*

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, Z., Stefszky, M., Ulvila, V., Silberhorn, C. & Vainio, M., 1 May 2019, *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE

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

Exploration of different boundary conditions in the sideways falling situation in hip fracture finite element modelling

Abe, S., Ylinen, A., Narra Girish, N., Nikander, R., Hyttinen, J., Kouhia, R. & Sievänen, H., 2015, *Proceeding of the XII Finnish Mechanics Days*. Rakenteiden Mekaniikan Seura ry, p. 130-135 6 p.

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

Blind estimation of speckle variance in synthetic aperture radar images

Abramova, V. V., Kozhemiakin, R., Abramov, S. K., Lukin, V. V., Zelensky, A. A. & Egiazarian, K., 25 Jun 2015, *2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings*. The Institute of Electrical and Electronics Engineers, Inc.

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

The effects of neuron morphology on graph theoretic measures of network connectivity: The analysis of a two-level statistical model

Acimovic, J., Mäki-Marttunen, T. & Linne, M-L., 10 Jun 2015, In : *Frontiers in Neuroanatomy*. 9, June, 76.

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

Sound Event Detection in Multichannel Audio Using Spatial and Harmonic Features

Adavanne, S., Parascandolo, G., Pertilä, P., Heittola, T. & Virtanen, T., 2016, *Proceedings of the Detection and Classification of Acoustic Scenes and Events 2016 Workshop (DCASE2016)*. Tampere University of Technology. Department of Signal Processing, p. 6-10

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

VisualLabel: An Integrated Multimedia Content Management and Access Framework

Ahmad, I., Rantanen, P., Sillberg, P., Laaksonen, J., Liu, S., Forss, T., Malik, A., Nieminen, M., Shetty, R., Ishikawa, S., Kallio, J., Saarinen, J. P., Gabbouj, M. & Soini, J., 2017, *The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases, EJC 2017: June 5-9, 2017, Krabi, Thailand*. p. 332-353 22 p.

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

Glove-integrated slotted patch antenna for wearable UHF RFID reader

Ahmed, S., Musfequr Rehman, S. M., Ukkonen, L. & Björninen, T., 26 Sep 2018, *2018 IEEE International Conference on RFID Technology & Application (RFID-TA)*. IEEE, 4 p.

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

Agency relationships in global project business

Ahola, T., Stähle, M. & Martinsuo, M., Jun 2018, *Proceedings of EURAM18 European Academy of Management conference 2018*. European Academy of Management, EURAM, 38 p. (EURAM conference).

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

The circular economy of projects

Ahola, T. & Martinsuo, M., Jun 2019, *European Academy of Management Conference EURAM 2019: 26-28 June, Lisbon, Portugal*. (European academy of management annual conference).

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

Vehicle Mass Estimation for Hydraulic Drive System using Longitudinal Motion Model

Ahopelto, M., Krogerus, T. & Huhtala, K., May 2015, *The Fourteenth Scandinavian International Conference on Fluid Power, SICFP15*. Tampere University of Technology. Department of Intelligent Hydraulics and Automation, p. 433-442 10 p. (The Fourteenth Scandinavian International Conference on Fluid Power, SICFP15).

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

Keyframe-based video summarization with human in the loop

Ainasoja, A. E., Hietanen, A., Lankinen, J. & Kämäräinen, J-K., 2018, *VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*. SCITEPRESS, Vol. 4. p. 287-296 10 p.

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

Smartphone teleoperation for self-balancing telepresence robots

Ainasoja, A. E., Pertuz, S. & Kämäräinen, J-K., 2019, *VISIGRAPP 2019 - Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*. Kerren, A., Hurter, C. & Braz, J. (eds.), SCITEPRESS, p. 561-568 8 p.

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, K., Vaara, L. & Nenonen, S., 2016, *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, p. 715-725

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

Customer value management framework for supply chains

Ala-Maakala, M. & Liimatainen, H., 4 Jul 2016, *The proceedings of 21st international symposium on logistics (ISL 2016): Sustainable transport and supply chain innovation, Kaohsiung, Taiwan 3-6 July 2016*. Pawar, K. (ed.). p. 447-456 10 p.

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

Riding for a fall in outsourced ISD: Knowledge transfer challenges between the onshore vendor and the offshored unit
Alanne, A. & Pekkola, S., 2015, *Achieving Success and Innovation in Global Sourcing: Perspectives and Practices: 9th Global Sourcing Workshop 2015, La Thuile, Italy, February 18-21, 2015, Revised Selected Papers*. Oshri, I., Kottlarsky, J. & Willcocks, L. (eds.). Germany: Springer Verlag, p. 124-140 17 p. (Lectures Notes in Business Information Processing; vol. 236).

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

Riding for a fall in outsourced ISD: Transferring knowledge between onshore vendor and offshored unit

Alanne, A. & Pekkola, S., 18 Feb 2015, *9th Global Sourcing Workshop 2015: La Thuile, Italy, February 18-21, 2015*.

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

A new waveguiding mechanism based upon geometric phase

Alberucci, A., Pannian, J. C., Slussarenko, S., Piccirillo, B., Santamato, E., Marrucci, L. & Assanto, G., 2016, *Frontiers in Optics 2016*. Optical Society of America (OSA), FF3H.3

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

Nonperturbative nonlinear optics in liquid crystals

Alberucci, A., Piccardi, A., Kravets, N., Buchnev, O., Pannian, J. C. & Assanto, G., 2016, *Laser science 2016*. Optical Society of America (OSA), JW4A.12

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

A coordination-based brokerage architecture for multi-cloud resource markets

Aldawood, S., Fowley, F., Pahl, C., Taibi, D. & Liu, X., 14 Oct 2016, *Proceedings - 2016 4th International Conference on Future Internet of Things and Cloud Workshops, W-FiCloud 2016*. Institute of Electrical and Electronics Engineers Inc., p. 7-14 8 p.

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

Comparison of Detection Techniques for Multipath Propagation of Pseudolite Signals Used in Dense Industrial Environments

Alexandru, R-C. & Lohan, E-S., 2015, In : *Procedia Engineering*. 100, C, p. 1294-1300 7 p.

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

Analysis of Real Mobility Records in Urban and Suburban Environments

Alexandru, R. C. & Lohan, E-S., 2016, *26TH DAAAM International Symposium on Intelligent Manufacturing and Automation*. DAAAM International, p. 0688-0692

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

DroneRF dataset: A dataset of drones for RF-based detection, classification and identification

Allahham, MHD. S., Al-Sa'd, M. F., Al-Ali, A., Mohamed, A., Khattab, T. & Erbad, A., 1 Oct 2019, In : *Data in Brief*. 26, 104313.

Research output: Contribution to journal › Article › 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, B., Chauhan, V., Kandavalli, V. & Ribeiro, A., 2019, *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*. De Maria, E., Gamboa, H. & Fred, A. (eds.). SCITEPRESS, p. 226-233 8 p.

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

Incoherent Broadband Cavity Enhanced Absorption Spectroscopy Using a Supercontinuum Source in the Mid-IR

Amiot, C. G., Aalto, A., Toivonen, J. & Genty, G., 2015, *Laser Science 2015: Proceedings Frontiers in Optics 2015*. 2 p. JTU4A-80

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

Incoherent Broadband Cavity Enhanced Absorption Spectroscopy with a Supercontinuum Source

Amiot, C., Aalto, A., Genty, G. & Toivonen, J., 2015, *2015 European Conference on Lasers and Electro-Optics - European Quantum Electronics Conference: Proceedings*. Optical Society of America, p. CH_P_16

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

Mid-Infrared Sources for Ultra-Broadband Cavity Enhanced Spectroscopy

Amiot, C. G., Ryzkowski, P., Aalto, A., Toivonen, J. & Genty, G., Oct 2016, *Frontiers in Optics 2016*. OSA, 2 p. FTh5A.3

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

On Design and Development of Super-FRS main tunnel Remote Handling System Concept

Amjad, F., Weick, H., Mattila, J., Kozlova, E. & Schloer, C., 2014, *2014 IEEE 17th International Conference on Intelligent Transportation Systems (ITSC), 8-11 Oct. 2014, Qingdao*. IEEE, p. 188-194 7 p.

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

Knowledge Management and Emerging Collaborative Networks in Tourism Business Ecosystems

Ammirato, S., Michele Felicetti, A., Della Gala, M., Aramo-Immonen, H. & Jussila, J., 3 Sep 2015, *Proceedings of the 16th European Conference on Knowledge Management (ECKM 2015), University of Udine, Italy, 3-4 September 2015*.

Massaro, M. & Garlatti, A. (eds.). Reading, UK: Academic Conferences and Publishing International Limited, p. 19-26 7 p.

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

Growth of Urban Peripheries with Reference to Inconsistent Spatial Planning Policies: South-east Amman as case study

Amr, A. & Saad, M., Mar 2015, In : *European International Journal of Science and Technology*. 4, 3, p. 54-68 15 p., 3.

Research output: Contribution to journal › Article › Scientific

Emotion-Gauge: Analyzing affective experiences in B2B customer journeys

Andersson, T., Boedeker, M. & Vuori, V., 2017, *Strategic Innovative Marketing : 5th IC-SIM, Athens, Greece, September 23-26, 2016*. Kavoura, A., Sakas, D. & Tomaras, P. (eds.). Springer, p. 31-36 6 p. (Springer Proceedings in Business and Economics).

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

Kosteus- ja mikrobivaurioiden laajuus kuntien rakennuksissa

Annala, P., Hellemaa, M., Suonketo, J. & Pentti, M., 11 Mar 2015, *Sisäilmastoseminaari 2015 SIY Raportti 33, Messukeskus, Helsinki 11.3.2015*. Säteri, J. & Ahola, M. (eds.). Juva, p. 95-100 6 p. (SIY Raportti; vol. 33).

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

Valtion tukemien homekorjaushankkeiden arviointi -jatkotutkimus (HKPro 3)

Annala, P., Marttila, T., Kero, P., Suonketo, J. & Pentti, M., 11 Mar 2015, *Sisäilmastoseminaari 2015 SIY Raportti 33, Messukeskus, Helsinki 11.3.2015*. Säteri, J. & Ahola, M. (eds.). Juva, Vol. Sisäilmayhdistys raportti 33. p. 107-112 6 p. (Sisäilmayhdistys).

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

By64 Tuulettuvat julkisivut 2016 -suunnittelu- ja toteusohjeen laadinta

Annala, P., Lahdensivu, J., Pikkuvirta, J. & Pakkala, T., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 109-114 6 p.

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

Kosteusvaurioiden vakavuus kuntien rakennuksissa

Annala, P., Lahdensivu, J., Suonketo, J., Pentti, M., Laukkarinen, A. & Vinha, J., 24 Oct 2017, *Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 24.-26.10.2017, Tampere*. Vinha, J. & Kivioja, H. (eds.).

Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, Vol. 1. p. 135-140 6 p. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Managing Cultural Knowledge in Project Execution

Aramo-Immonen, H., Hietaoja, H., Jussila, J. J. & Ammirato, S., 2015, *10th International Forum on Knowledge Asset Dynamics, IFKAD 2015, Bari, Italy: Culture, Innovation and Entrepreneurship: connecting the knowledge dots*. Bary: IKAM Centro Studi & Ricerche, Vol. 10. p. 1085-1096 12 p.

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

Meeting radical change: SMEs and innovation capabilities and strategic foresight

Aramo-Immonen, H., Bessant, J., Heinonen, T., Öberg, C. & Trifilova, A., 16 Jun 2015, *The Proceedings of the XXVI ISPIM Conference – Shaping the Frontiers of Innovation Management, Budapest, Hungary on 14-17 June 2015*.

International Society for Professional Innovation Management ISPIM

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

If you know social media, you see opportunities...

Aramo-Immonen, H., Vartio, M. & Jussila, J., 7 Jun 2017, *12th International Forum on Knowledge Asset Dynamics: Knowledge Management in the 21st Century: Resilience, Creativity and Co-creation*. Vol. 12. p. 575-584

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

Instrumentation and monitoring of large-span culvert built under a railway, in Finland

Asp, O. & Laaksonen, A., 24 Apr 2017, *Archives of Institute of Civil Engineering: 3rd European Conference on Buried Flexible Steel Structures, Rydzyna, Poland, 24-25 April 2017*. Madaj, A. & Jankowiak, I. (eds.). 23 ed. Poznan:

Wydawnictwo Politechniki Poznańskiej, Vol. 2017. p. 53-60 8 p.

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

Electro-optic steering of random laser emission in liquid crystals

Assanto, G., Perumbilavil, S., Piccardi, A. & Kauranen, M., 2018, In : *Photonics Letters of Poland*. 10, 4, p. 103-105 3 p.

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

Gain Scheduling Full State Feedback with D-Implementation for Velocity Tracking of Hydrostatic Drive Transmission

Backas, J., Ghabcheloo, R. & Huhtala, K., 2015, *Proceedings of the Fourteenth Scandinavian International Conference on Fluid Power, SICFP15. May 20-22, 2015. Tampere, Finland*. Tampere University of Technology. Department of Intelligent Hydraulics and Automation, p. 64-75 12 p.

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

Bacziewicz, J., Pajunen, S. & Heinisuo, M., 27 Jul 2018, In : *Fire Research*. 2, 1, p. 25-30 6 p., 2:42.

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

Internet of Things, Smart Spaces, and Next Generation Networks and Systems: 15th International Conference, NEW2AN 2015, and 8th Conference, ruSMART 2015, St. Petersburg, Russia, August 26-28, 2015, Proceedings

Balandin, S. (ed.), Andreev, S. (ed.) & Koucheryavy, Y. (ed.), 2015, Springer International Publishing. (Lecture Notes in Computer Science; vol. 9247)

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

How mono-valent cations bend peptide turns and a first-principles database of amino acids and dipeptides

Baldauf, C., Ropo, M., Blum, V. & Scheffler, M., 6 Oct 2014, *International Conference of Computational Methods in Sciences and Engineering 2014 (ICCMSE 2014)*. Simos, T. E., Kalogiratou, Z. & Monovasilis, T. (eds.). American Institute of Physics Inc., Vol. 1618. p. 119-120 2 p. (AIP Conference Proceedings; vol. 1618).

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, P., Deller, J., Martel, J., Vilenius, E., Goldberg, H., Sorsa, L.-I., Pursiainen, S., Takala, M., Wurster, A., Braun, H. M., Lentz, H., Jutzi, M., Wittig, M., Chitu, C. C., Ritter, B. & Karatekin, O., 2018, *69th International Astronautical Congress, IAC 2018*. (Proceedings of the International Astronautical Congress, IAC).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › 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., Dec 2015, In : *Journal of Ceramic Science and Technology*. 6, 4, p. 315-324 10 p.

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

Background-Free Second-Harmonic Generation Microscopy of Individual Carbon Nanotubes

Bautista, G. S., Johansson, A., Parappurath, N., Herranen, O., Myllyperkiö, P., Jiang, H., Kauppinen, E., Pettersson, M. & Kauranen, M., 2015, *Nonlinear Optics 2015: Kauai, Hawaii United States 26–31 July 2015*. OSA, 2 p. NW1A.5. (Nonlinear Optics Conference Series).

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

Collective nonlinear optical effects in plasmonic nanohole ensembles of different rotational symmetries

Bautista, G., Dreser, C., Zang, X., Kern, D., Kauranen, M. & Fleischer, M., 2018, *CLEO: QELS_Fundamental Science 2018*. The Optical Society; OSA, 2 p. FW3G.3

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

Modeling the process of dynamic resource sharing between LTE and NB-IoT services

Begishev, V., Samuylov, A., Moltchanov, D. & Samouylov, K., 2017, *Distributed Computer and Communication Networks - 20th International Conference, DCCN 2017, Proceedings*. Springer Verlag, p. 1-12 12 p. (Communications in Computer and Information Science; vol. 700).

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, B. M. & Mattila, H., 2016, *Proceedings of the CIB World Building Congress 2016 Volume IV: Understanding impacts and functioning of different solutions*. Nenonen, S. & Junnonen, J-M. (eds.). Tampere University of Technology, p. 431-440 10 p.

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

A model for anisotropic magnetostriction

Belahcen, A., Kouhia, R., Rasilo, P. & Ristinmaa, M., 2015, *Proceedings of the XII Finnish Mechanics Days*. Rakenteiden Mekaniikan Seura ry, p. 201-203 3 p.

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

Design: A Key Stage of Product Lifecycle

Bernard, A., Coatanea, E., Christophe, F. & Laroche, F., 2014, In : *Procedia CIRP*. 21, p. 3-9 7 p.

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

Crowdsourcing in Business-to-Business Markets: A Value Creation and Business Model Perspective

Bernhardt, J., Helander, N., Jussila, J. & Kärkkäinen, H., Apr 2016, *Encyclopedia of E-Commerce Development, Implementation, and Management*. United States: IGI Global, p. 933-943 11 p. 66

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

Dual-frequency signal processing architecture for robust and precise positioning applications

Bolla, P. & Lohan, E-S., 5 Jun 2018, *2018 IEEE/ION Position, Location and Navigation Symposium, PLANS 2018*. IEEE, p. 72-80 9 p.

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

Potentials of web standards for automation control in manufacturing systems

Borja Ramis, F., Iarovy, S., Lobov, A. & Martinez Lastra, J. L., 2015, *2015 IEEE European Modelling Symposium*. p. 359-366 8 p.

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

Safety, Space and Structure Quality Requirements in Construction Scheduling

Bragadin, M. A. & Kähkönen, K., 2015, In : *Procedia Economics and Finance*. 21, p. 407-414 8 p.

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

Resource – Space Charts for Construction Workspace Scheduling

Bragadin, M. A. & Kähkönen, K., 2016, *Proceedings of the CIB World Building Congress 2016: Volume III - Building Up Business Operations and Their Logic. Shaping Materials and Technologies*. Tampere University of Technology, Department of Civil Engineering, p. 677-688

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

Cost- and time-effective sewing patterns for embroidered passive UHF RFID tags

Brechet, N., Ginestet, G., Moradi, E., Ukkonen, L., Torres, J., Björninen, T. & Virkki, J., 1 Mar 2017, *Proceedings of IEEE 2017 International Workshop on Antenna Technology*. IEEE, p. 30-33

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

High-speed manufacturing of antimicrobial paper

Brobbe, K. J., Haapanen, J., Gunell, M., Mäkelä, J. M., Eerola, E., Saarinen, J. J. & Toivakka, M., 2018, *Paper Conference and Trade Show, PaperCon 2018*. TAPPI Press, p. 564-566 3 p.

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., 2 Jun 2016, *Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) VI*. San Francisco: SPIE, Vol. 9734. 8 p. 973411. (SPIE Conference Proceedings).

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., 1 Nov 2017, *2017 9th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT)*. IEEE, p. 143-147 5 p.

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

Convolutional Recurrent Neural Networks for Rare Sound Event Detection

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

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

Traceability of essential climate variables through forest stand reconstruction with terrestrial laser scanning

Calders, K., Disney, M., Nightingale, J., Origo, N., Barker, A., Raunonen, P. A., Lewis, P., Burt, A., Brennan, J. & Fox, N., 2015, *Proceedings of SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems*. p. 122-124 3 p.

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

Reducing uncertainties in above-ground biomass estimates using terrestrial laser scanning

Calders, K., Burt, A., Newnham, G., Disney, M., Murphy, S., Raunonen, P., Herold, M., Culvenor, D., Armston, J., Avitabile, V. & Kaasalainen, M., 2015, *Proceedings of SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems*. p. 197-199 3 p.

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

Resonant harmonic generation in AlGaAs nanoantennas using cylindrical vector beams

Camacho-Morales, R., Bautista, G., Zang, X., Xu, L., Turquet, L., Miroshnichenko, A., Lampryanidis, A., Rahmani, M., Neshev, D. N. & Kauranen, M., 2018, *CLEO: QELS Fundamental Science 2018*. The Optical Society; OSA, 2 p. FF1E.6

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

Development of New Kinds of Plasmonics Materials Through Swift Heavy Ion Shaping Technique

Cardin, J., Dufour, C., KHOMENKOV, V., Fafin, A., Monnet, I., Rizza, G., COULON, P-E., Slablab, A., Maily, D., Ulysse, C., Lafosse, X., Perruchas, S. & Gacoin, T., 1 Jun 2013, *7th International Conference on Materials for Advanced Technologies (ICMAT 2013), Jun 2013, Suntec, Singapore*. Singapore

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

Manipulating Superparamagnetic Microparticles with an Electromagnetic Needle

Cenev, Z., Zhang, H., Sariola, V., Rahikkala, A., Liu, D., Santos, H. A. & Zhou, Q., 2017, In : *Advanced Materials Technologies*. 3, 1, 1700177.

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

Product Upgradability: Towards a Medical Analogy

Chapuis, Y., Demoly, F., Coatanéa, E. & Gomes, S., 2014, *ADVANCES IN PRODUCTION MANAGEMENT SYSTEMS: INNOVATIVE AND KNOWLEDGE-BASED PRODUCTION MANAGEMENT IN A GLOBAL-LOCAL WORLD, APMS 2014, PT III*. Grabot, B., Vallespir, B., Gomes, S., Bouras, A. & Kiritsis, D. (eds.). PART 3 ed. Springer-Verlag, Berlin, Vol. 440. p. 148-155 8 p. (IFIP Advances in Information and Communication Technology; vol. 440).

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

Exploring Attitudes, Knowledge and Competencies for Security Technology: A Cross-Cultural Survey in Higher Education

Chaudhary, S., Zhao, Y., Berki, E., Valtanen, J., Li, L., Helenius, M., Mystakidis, S., Nalam, T. & Thapa, R. B., 2015, *8th International Conference on ICT, Society and Human Beings 2015*. p. 11-18 8 p.

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

A Cross-Cultural and Gender-Based Perspective for Online Security: Exploring Knowledge, Skills and Attitudes of Higher Education Students.

Chaudhary, S., Zhao, Y., Berki, E., Valtanen, J., Li, L., Helenius, M. & Mystakidis, S., 2015, In : *IADIS International Journal on WWW/Internet*. 13, 1, p. 57-71

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

Entropy of weighted graphs with Randić weights

Chen, Z., Dehmer, M., Emmert-Streib, F. & Shi, Y., 2015, In : *Entropy*. 17, 6, p. 3710-3723 14 p.

Research output: Contribution to journal > Article > 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., 8 Jun 2018, *2018 IEEE International Workshop on Antenna Technology, iWAT2018 - Proceedings*. IEEE, p. 1-4 4 p.

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., Sep 2018, *2018 IEEE International Conference on RFID Technology Application (RFID-TA)*. IEEE, 5 p.

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

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, S., Nov 2018, *2018 23rd Conference of Open Innovations Association (FRUCT)*. IEEE, p. 195-203 9 p.

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

Editorial: Experiments in an Organisational Context

Christiansen, J., Birkinshaw, J., Le Massaon, P. & Mäkinen, S., 2017, In : *CERN IdeaSquare Journal of Experimental Innovation*. 1, 2, 2 p.

Research output: Contribution to journal > Editorial > Scientific

Grammatical and Semantic Disambiguation of Requirements at Elicitation and Representation Stages

Christophe, F., Wang, M., Coatanéa, E., Zeng, Y. & Bernard, A., 2012, *Proceedings of the ASME International Design Engineering Technical Conferences and Computers and Information in Engineering, 2011, vol 9*. AMER SOC MECHANICAL ENGINEERS, p. 17-31 15 p.

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

Integration of evaluation and simulation methods for virtual prototypes

Christophe, F., Mokammel, F., Coatanéa, E. & Bakhouya, M., 2013, *Proceedings of the 15th International Conference on Engineering and Product Design Education: Design Education - Growing Our Future, EPDE 2013*. p. 623-628 6 p.

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

Raitiotien seisakkeet: Yhdyskuntasuunnittelun jatkokurssi A ja B

Chudoba, M. (ed.), Rajaniemi, J. (ed.) & Virkkala, J. (ed.), 2015, Tampere University of Technology, School of Architecture . 74 p.

Research output: Book/Report › Commissioned report › Professional

Koteja ja kokonaistaideteoksia

Chudoba, M., 2015, In : *Arkkitehti*. 3, p. 76-78 3 p.

Research output: Contribution to journal › Article › Professional

Systematic Search and Ranking of Physical Contradictions Using Graph Theory Principles: Toward a Systematic Analysis of Design Strategies and their Impacts: TRIZ and Knowledge-Based Innovation in Science and Industry

Coatanéa, E., Ryyänen, L., Calonius, O., Mokammel, F. & Riitahuhta, A., 2015, In : *Procedia Engineering*. 131, p. 1165-1182 18 p.

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

Pedestrian Dead Reckoning with Particle Filter for Handheld Smartphone

Collin, J., Perttula, A., Parviainen, J., Racko, J. & Brida, P., 17 Nov 2016, *2016 International Conference on Indoor Positioning and Indoor Navigation (IPIN)*. IEEE, 7 p.

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

Single micro-particle scattering detection based on Edge Filter Enhanced Self-Mixing Interferometry

Contreras, V., Lonqvist, J. & Toivonen, J., 2015, *2015 European Conference on Lasers and Electro-Optics - European Quantum Electronics Conference*. Optical Society of America, p. CH_P_11

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

Systematic Literature Review on Enterprise Architecture in the Public Sector

Dang, D. & Pekkola, S., 2015, *The 38th Information Systems Research Conference in Scandinavia (IRIS38)*. Öörni, A., Iivari, N., Kuutti, K., Oinas-Kukkonen, H. & Rajanen, M. (eds.).

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

Enterprise architecture and organizational reform: a project debrief

Dang, D. & Pekkola, S., 20 Jul 2017, *Proceedings the 21st Pacific Asian Conference on Information Systems 2017 (PACIS'2017): Langkawi, Malay, 16-20 July, 2017*. Association for Information Systems AIS, 16 p.

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

Accurate depth estimation from a sequence of monocular images supported by proprioceptive sensors

Davidson, P., Raunio, J. P. & Piché, R., 2016, *23rd Saint Petersburg International Conference on Integrated Navigation Systems, ICINS 2016 - Proceedings*. State Research Center of the Russian Federation, p. 249-257 9 p.

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

Computer vision aided navigation systems

Davidson, P. & Merkulova, I., 2016, *23rd Saint Petersburg International Conference on Integrated Navigation Systems, ICINS 2016 - Proceedings*. State Research Center of the Russian Federation, p. 560-562 3 p.

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

Risk Assessment of Major Storm Situation in Distribution System

Dehghani, N., Supponen, A. & Repo, S., 1 Sep 2015, *2015 50th International Universities Power Engineering Conference (UPEC)*. IEEE

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

Application and Theory of Petri Nets and Concurrency: 36th International Conference, PETRI NETS 2015 Brussels, Belgium, June 21-26, 2015 Proceedings

Devillers, R. (ed.) & Valmari, A. (ed.), 2015, Springer Verlag. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 9115)

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

D2D communications for mobile devices: Technology overview and prototype implementation

Devos, M., Ometov, A., Mäkitalo, N., Aaltonen, T., Andreev, S. & Koucheryavy, Y., 5 Dec 2016, *8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT)*. IEEE, p. 124-129

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. & Länsivaara, T., May 2016, *Proceedings of the 17th Nordic Geotechnical Meeting: Challenges in Nordic Geotechnic 25th-28th of May*. Reykjavik: Icelandic Geotechnical Society, p. 187-197 11 p.

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

A study on the behaviour of the weathered crust in the Perniö failure test

D'Ignazio, M., Di Buo, B. & Länsivaara, T., 2015, *Proceedings of the XVI ECSMGE 2015: 13-17 September 2015 - Edinburgh, Geotechnical Engineering for Infrastructure and Development*. ICE Publishing, p. 3639-3644 6 p.

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

Strength increase below an old test embankment in Finland

D'Ignazio, M. & Länsivaara, T., May 2016, *The 17th Nordic Geotechnical Meeting: Conference proceedings*. Reykjavik: Icelandic Geotechnical Society, p. 357-366

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

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, E., Zambou, S. & Joubert, D. P., 1 Dec 2019, In: *Computational Condensed Matter*. 21, e00391.

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

Investigating Auditory Human-Machine Interaction: Analysis and Classification of Sounds Commonly Used by Consumer Devices

Drossos, K., Kotsakis, R., Pappas, P., Kalliris, G. & Floros, A., May 2013, *Audio Engineering Society Convention 134*. AES Audio Engineering Society, 9 p. 8812

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

A Socially-Intelligent Multi-Robot Service Team for In-Home Monitoring

Drossos, K., Floros, A., Potirakis, S., Tatlas, N-A. & Tuna, G., Jul 2014, *Information, Intelligence, Systems and Applications, IISA 2014, The 5th International Conference on*. IEEE, p. 159-164

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

Emergency Voice/Stress - level Combined Recognition for Intelligent House Applications

Drossos, K., Floros, A., Agavanakis, K., Tatlas, N-A. & Kanellopoulos, N., Apr 2012, *Audio Engineering Society Convention 132*. AES Audio Engineering Society, 11 p.

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

Sound Events and Emotions: Investigating the Relation of Rhythmic Characteristics and Arousal

Drossos, K., Kotsakis, R., Kalliris, G. & Floros, A., Jul 2013, *Information, Intelligence, Systems and Applications (IISA), 2013 Fourth International Conference on*. IEEE, p. 1-6 6 p.

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

BEADS: A dataset of Binaural Emotionally Annotated Digital Sounds

Drossos, K., Floros, A. & Giannakouloupoulos, A., 1 Jul 2014, *Information, Intelligence, Systems and Applications, IISA 2014, The 5th International Conference on*. IEEE, p. 158-163 6 p.

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

Accessible Games for Blind Children, Empowered by Binaural Sound

Drossos, K., Zormpas, N., Giannakopoulos, G. & Floros, A., Jul 2015, *Proceedings of the 8th ACM International Conference on Pervasive Technologies Related to Assistive Environments*. New York, NY, USA: Association for Computing Machinery (ACM), p. 5:1-5:8 8 p. (PETRA '15).

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

Energy Retrofits in Multi-family Buildings in North-east Europe: The Impacts on Thermal Conditions

Du, L., Leivo, V., Prasauskas, T., Turunen, M., Kiviste, M., Martuzevicius, D. & Haverinen-Shaughnessy, U., Nov 2015, In: *Energy Procedia*. 78, p. 860-864 5 p.

Research output: Contribution to journal › Article › 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., 17 Aug 2016, *16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016*. IEEE, p. 147-148 2 p.

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

Sustainable Design Studio 2014

Edelman, H. (ed.) & Härkönen, K. (ed.), 2015, Tampere University of Technology. School of Architecture. 79 p.

Research output: Book/Report › Commissioned report › Professional

Evaluating organizational commitment in support of organizational leadership

Einolander, J., 2015, *6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015*. Elsevier, p. 668–673 5 p. (Procedia Manufacturing; vol. 3).

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

Assessment of student retention using the Evolute approach, an overview

Einolander, J. & Vanharanta, H., 2015, *6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015*. Elsevier, p. 581–586 6 p. (Procedia Manufacturing; vol. 3).

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, H., El-Khozondar, R., Matter, K. & Suntio, T., 18 Feb 2016, In : *Renewables: Wind, Water, and Solar*. 3, 1, 8 p.

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

Re-use of engineering design rationale in Finnish SME project based industry

Ellman, A., Paronen, J., Juuti, T. S. & Tiainen, T., 24 May 2018, *Proceedings of the Design 2018 15th International Design Conference*. The Design Society, p. 1825-1832 8 p.

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, A. & Tiainen, T., 1 Jun 2019, In : *Computers*. 8, 2, 39.

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

Patterns for controlling chaos in a startup

Eloranta, V-P., 10 Apr 2014, *VikingPLoP 2014 Proceedings of the 8th Nordic Conference on Pattern Languages of Programs*. Association for Computing Machinery, Vol. 2014-April. p. 1-8 8 p. (ACM International Conference Proceeding Series).

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

Proceedings of VikingPLoP 2013 Conference

Eloranta, V-P. (ed.), Koskinen, J. & Leppänen, M. K., 2013, Tampere University of Technology. Department of Pervasive Computing. 125 p. (Tampere University of Technology. Department of Pervasive Computing. Report; vol. 2)

Research output: Book/Report › Commissioned report › Professional

Proceedings of VikingPLoP 2012 Conference

Eloranta, V-P. (ed.), Koskinen, J. (ed.) & Leppänen, M. (ed.), 2012, Tampere University of Technology. Department of Software Systems. 142 p. (Tampere University of Technology. Department of Software Systems. Report; vol. 22)

Research output: Book/Report › Commissioned report › Professional

Generalized hyperbolic harmonic functions in the plane

Eriksson, S-L., Orelma, H. & Vuojamo, V., 10 Mar 2015, *Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2014 (ICNAAM-2014)*. American Institute of Physics Inc., Vol. 1648. 440007

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

Tampereen matemaattisten aineiden aineenopettajakoulutus

Eriksson, S.-L., Haukkanen, P., Hukka, T. I. & Lemmetyinen, H., 11 Mar 2015, In : *Lumat*. 3, 6, p. 800-807 8 p.

Research output: Contribution to journal > Article > Professional

Visual Data Mining in Software Repositories: A Survey

Eteläaho, A., Soini, J., Jaakkola, H. & Mattila, A.-L., Jun 2017, *The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases*. Sornlertlamvanich, V., Chawakitchareon, P., Hansuebsai, A., Koopipat, C., Kiyoki, Y., Jaakkola, H., Thalheim, B. & Yoshida, N. (eds.). Sirindhorn International Institute of Technology, Thammasat University, Thailand, p. 367-385

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

360 panorama super-resolution using deep convolutional networks

Fakour-Sevom, V., Guldogan, E. & Kämäräinen, J.-K., 2018, *VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*. SCITEPRESS, Vol. 4. p. 159-165 7 p.

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

Development of efficient electrically pumped nanolasers based on InAlGaAs tunnel junction

Fang, C. Y., Vallini, F., Amili, A. E., Tukiainen, A., Lyytikäinen, J., Guina, M. & Fainman, Y., 2018, *CLEO: Science and Innovations, CLEO_SI 2018*. OSA - The Optical Society

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

Thermomechanical properties of overmold epoxies in MEMS packaging

Fard Sanei, M. A., Kiilunen, J., Pippola, J., Lahokallio, S. & Frisk, L., 2015, *Proceedings of the IMAPS Nordic Annual Conference, June 8-9, 2015, Helsingør, Denmark*. IMAPS Nordic, p. 175-179 5 p.

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

The Effects of Initial Moisture on Damp Problems of a Timber Framed Wall Construction - a Numerical Approach

Fedorik, F. & Malaska, M., 2015, *Proceedings of the XII Finnish Mechanics Days : Finnish mechanics days*. Kouhia, R., Mäkinen, J., Pajunen, S. & Saksala, T. (eds.). Espoo, Finland: Finnish Association for Structural Mechanics, p. 18-23

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, A., Noronen, T., Rissanen, J., Gumenyuk, R., Petrov, A., Chamorovskii, Y., Golant, K., Odnoblyudov, M. & Filippov, V., 2018, *Proceedings of SPIE : Fiber Lasers and Glass Photonics: Materials through Applications*. Taccheo, S., Mackenzie, JI. & Ferrari, M. (eds.). SPIE-INT SOC OPTICAL ENGINEERING, Vol. 10683. 7 p. (Proceedings of SPIE; vol. 10683).

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, A., Pominova, D., Orlovskaya, E., Orlovskii, Y., Niemi, T. & Gumenyuk, R., 1 Mar 2019, *Proceedings of SPIE: Optical Components and Materials XVI*. S P I E - International Society for Optical Engineering, Vol. 10914. 9 p. 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

Distributed power allocation over indoor multi-pico stations

Fei, Z. S., Gao, Q., Fu, Y., Isotalo, T. & Niemelä, J., 1 Jun 2015, In : *Journal of the Beijing Institute of Technology*. 24, 2, p. 227-232 6 p.

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

A Proposal of Decentralized Architecture for OKD-MES

Ferrer, B. R., 2015, *Open Knowledge-Driven Manufacturing & Logistics: The eScop Approach*. Strzelczak, S., Balda, P., Garetti, M. & Lobov, A. (eds.). Warsaw: Warsaw University of Technology Publishing House, p. 331-340 10 p.

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

On Moderate Inversion/Saturation Regions As Approximations to "Reconciliation" Model

Filanovsky, I. M., Järvenhaara, J. K. & Tchamov, N. T., 15 May 2016, *2016 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), Vancouver, May 15-18, 2016*. IEEE

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

Maximally Flat Property and Bandwidth Enhancing by Transfer Function Zeroes IEEE-NewCAS France

Filanovsky, I. & Tchamov, N., 25 Jun 2017, *2017 15th IEEE International New Circuits and Systems Conference (NEWCAS)*. IEEE

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

Impact of Axial Profile of the Gain Medium on the Mode Instability in Lasers: Regular Versus Tapered Fibers

Filippov, V., Ustimchik, V. E., Chamorovskiy, Y., Golant, K., Vorotynskii, A. & Okhotnikov, O., 24 Jun 2015, *The European Conference on Lasers and Electro-Optics 2015*. OSA, CJ-10.5

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, V., Chamorovskii, Y. K., Golant, K. M., Vorotynskii, A. & Okhotnikov, O. G., Feb 2016, *Proceedings of SPIE: Fiber Lasers XIII: Technology, Systems, and Applications*. Ballato, J. (ed.). SPIE, Vol. 9728. 11 p. 97280V-1. (SPIE conference proceedings).

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

Picosecond MOPA with ytterbium doped tapered double clad fiber

Filippov, V., Vorotynskii, A., Noronen, T., Gumenyuk, R., Chamorovskii, Y. & Golant, K., 2017, *Fiber Lasers XIV: Technology and Systems*. SPIE, Vol. 10083. 6 p. 100831H. (Proceedings of SPIE; no. 10083).

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

Digital Hydraulics on Rails – Pilot Project of Improving Reliability on Railway Rolling Stock by Utilizing Digital Valve System

Fischer, H., Laamanen, A., Iso-Heiko, A., Schäfer, O., Karvonen, M., Karhu, O., Huhtala, K., Pulkkinen, V-P. & Huttunen, A., 20 May 2015, *Proceedings of The Fourteenth Scandinavian International Conference on Fluid Power, SICFP15*. Laamanen, A. & Huhtala, K. (eds.). p. 644-654 11 p.

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

Optical fiber amplifier with spectral compression elements for high-power laser pulse generation

Fotiadi, A. A., Korobko, D. A., Okhotnikov, O. G. & Zolotovskii, I. O., 2016, *Nonlinear Optics and its Applications IV*. SPIE, Vol. 9894. 989411. (Proceedings of SPIE; vol. 9894).

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, A., Järvenhaara, J., Filanovsky, I. M. & Tchamov, N. T., 15 May 2016, *2016 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), Vancouver, May 15-18, 2016*.

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

Suomen keraaminen seura - Keramiska sällskapet i Finland

Frankberg, E. J., Oct 2015, In : *Materia*. 5, p. 58-58 1 p.

Research output: Contribution to journal › Article › Professional

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., 2016, *Mobile Multimedia/Image Processing, Security, and Applications 2016*. SPIE, 986902. (SPIE Conference Proceedings; vol. 9869).

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

A Capacity Bound for mmWave-based Channel Access in Ultra-Dense Wearable Deployments

Galinina, O., Turlikov, A., Pyattaev, A., Johnsson, K., Andreev, S. & Koucheryavy, Y., 2015, *2015 7th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT)*. IEEE, p. 298-304 7 p.

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, O., Turlikov, A., Andreev, S. & Koucheryavy, Y., 5 Dec 2016, *2016 8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT)*. IEEE, p. 106-110 5 p.

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., 2016, In : *Magazine of Civil Engineering*. 63, 3, p. 53-76 24 p.

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

Cold-formed RHS T joints with initial geometrical imperfections

Garifullin, M., Bronzova, M. K., Heinisuo, M., Mela, K. & Pajunen, S., 2018, In : *Magazine of Civil Engineering*. 80, 4, p. 81-94 14 p.

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

Experimental moment resistance of rectangular hollow section T joints

Garifullin, M., 5 Dec 2018, In : *MATEC Web of Conferences*. 245, 08003.

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

Model-based cosimulation for industrial wireless networks

Geng, J., Li, H., Liu, Y., Liu, Y., Kashef, M., Candell, R. & Bhattacharyya, S. S., 3 Jul 2018, *WFCS 2018 - 2018 14th IEEE International Workshop on Factory Communication Systems*. IEEE, p. 1-10 10 p.

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

Action and power efficiency in self-organization: The case for growth efficiency as a cellular objective in escherichia coli

Georgiev, G. Y., Aho, T., Kesseli, J., Yli-Harja, O. & Kauffman, S. A., 2019, *Evolution, Development and Complexity - Multiscale Evolutionary Models of Complex Adaptive Systems*. Flores Martinez, C. L., Georgiev, G. Y., Smart, J. M. & Price, M. E. (eds.). Springer, p. 229-244 16 p. (Springer Proceedings in Complexity).

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, D., Lohan, E.-S., Lopez-Salcedo, J. A. & Seco-Granados, G., 2017, *2016 8th ESA Workshop on Satellite Navigation Technologies and European Workshop on GNSS Signals and Signal Processing (NAVITEC)*. IEEE

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

Assessing coupling dynamics from an ensemble of time series

Gómez-Herrero, G., Wu, W., Rutanen, K., Soriano, M. C., Pipa, G. & Vicente, R., 2015, In : *Entropy*. 17, 4, p. 1958-1970 13 p.

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, N. S. M., Martins, L., Tran, H., Oliveira, S. M. D., Neeli-Venkata, R., Fonseca, J. & Ribeiro, A. S., 26 Jun 2016, *The 8th International Conference on Bioinformatics, Biocomputational Systems and Biotechnologies (BIOTECHNO2016)*. IARIA, p. 9-15

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

Terrestrial LiDAR and 3D tree Quantitative Structure Model for quantification of aboveground biomass loss from selective logging in a tropical rainforest of Peru

Gonzalez de Tanago, J., Bartholomeus, H., Joseph, S., Herold, M., Avitabile, V., Goodman, R., Raunonen, P. & Burt, A., 2015, *Proceedings of SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems*. p. 119-121 3 p.

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

A study of a condensing heat exchanger and electrostatic precipitator combination for small-scale wood combustion

Grigonyte, J., Sippula, O., Tissari, J., Laitinen, A., Keskinen, J., Kortelainen, M., Lamberg, H. & Jokiniemi, J., 2015, *European Aerosol Conference 2015: EAC 2015, Milan, Italy*. 2COA_P021

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

Service Failure and Interruption Probability Analysis for Licensed Shared Access Regulatory Framework

Gudkova, I., Samouylov, K., Ostrikova, D., Mokrov, E., Ponomarenko-Timofeev, A., Andreev, S. & Koucheryavy, Y., 2015, *2015 7th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT)*. IEEE, p. 123-131 9 p.

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, I., Markova, E., Masek, P., Andreev, S., Hosek, J., Yarkina, N., Samouylov, K. & Koucheryavy, Y., 1 Oct 2016, *2016 8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT)*. IEEE, p. 119-123 5 p.

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

Principles of designing for situation awareness

Haapanen, J., 2015, Tampere: Maanpuolustuskorkeakoulu Sotatekniikan laitos, p. 29-46, (Situational awareness for critical infrastructure protection; vol. 3, no. 1).

Research output: Working paper › Professional

Improving the Situation Awareness of DSOs in Major Disturbances by Visualizing the State of Mobile Networks

Haapanen, J., Krohns-Välämäki, H. & Verho, P., 14 Jun 2016, *CIREC Workshop 2016*.

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

Adaptive fuzzy inference system based directional median filter for impulse noise removal

Habib, M., Hussain, A., Rasheed, S. & Ali, M., 1 May 2016, In : *AEU International Journal of Electronics and Communication*. 70, 5, p. 689-697 9 p.

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

Random Value Impulse Noise Removal Based on Most Similar Neighbors

Habib, M., Rasheed, S., Hussain, A. & Ali, M., 26 Feb 2016, *2015 13th International Conference on Frontiers of Information Technology (FIT)*. IEEE, p. 329-333 5 p.

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

SimpleTree: An Efficient Open Source Tool to Build Tree Models from TLS Clouds

Hackenberg, J., Spiecker, H., Calders, K., Disney, M. & Raunonen, P., 23 Nov 2015, In : *Forests: Open Access Journal*. 6, 11, p. 4245-4294 50 p.

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

Oppivan organisaation kehittäminen osaavaksi organisaatioksi. Tapaustutkimus suomalaisessa teollisuusyriyksessä

Hagman, S., 22 May 2015, Tampere University of Technology. 209 p. (Tampere University of Technology. Publication; vol. 1296)

Research output: Book/Report › Doctoral thesis › Monograph

Modeling of Age-Dependent Failure Tendency from Incomplete Data

Hagmark, P. & Laitinen, J., 2014, *Engineering Asset Management 2011: Proceedings of the Sixth World Congress on Engineering Asset Management*. Lee, J., Ni, J., Sarangapani, J. & Mathew, J. (eds.). London: Springer-Verlag London Limited, p. 449-459 11 p. (Lecture Notes in Mechanical Engineering).

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

Normalization of deviance in the construction industry, a managerial perspective

Hajikazemi, S., Ahola, T., Aaltonen, K., Aarseth, W. & Andersen, B., Jun 2019, *European Academy of Management Conference 2019, EURAM: 26-28 June, Lissabon, Portugal*. (European academy of management annual conference).

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

Site-controlled InAs Quantum Dots for Plasmonics

Hakkarainen, T., Tommila, J., Schramm, A., Simonen, J., Niemi, T., Strelow, C., Kipp, T., Kontio, J. & Guina, M., 2016, *Conference on Lasers and Electro-Optics 2016: QELS_Fundamental Science*. OSA - The Optical Society, FM1B.3

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, T., Leahu, G., Petronijevic, E., Belardini, A., Centini, M., Li Voti, R., Koivusalo, E., Rizzo Piton, M., Guina, M. & Sibilia, C., 2017, *CLEO: Applications and Technology 2017: San Jose, California United States 14–19 May 2017*. The Optical Society; OSA, JTh2A.48

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

Automated pile transfer work cycles with a robotic wheel loader

Halbach, E., Kolu, A. & Ghabcheloo, R., 2018, *17th International Conference on Computing in Civil and Building Engineering (ICCCBE): Tampere, 5-7 June 2018*. Mela, K., Pajunen, S. & Raasakka, V. (eds.). Tampere, Finland: RIL, 8 p.

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

Environment Interpretation for Business Continuity in a Project Supplier's Networks – Critical Factors in International Industrial Upgrades

Halinoja, M., 4 Sep 2015, Tampere: Tampere University of Technology. 237 p. (Tampere University of Technology. Publication; vol. 1313)

Research output: Book/Report › Doctoral thesis › Monograph

Value Creation in Private Equity: A Case Study of Outperforming Buyouts in the Nordic Countries

Hannus, S., 24 Oct 2015, Tampere University of Technology. 180 p. (Tampere University of Technology. Publication; vol. 1328)

Research output: Book/Report › Doctoral thesis › Monograph

On Polyglot Programming in the Web

Harmanen, J. & Mikkonen, T., 2016, *Modern Software Engineering Methodologies for Mobile and Cloud Environments*. IGI Global, p. 102-119 18 p.

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

Building energy retrofits, occupant health and wellbeing

Haverinen-Shaughnessy, U., Pekkonen, M., Turunen, M., Aaltonen, A. & Leivo, V., 2016, *CIB World Building Congress 2016 Proceedings : Volume 2 Environmental Opportunities and challenges - Constructing commitment and acknowledging human experiences*. Prins, M., Wamelink, H., Giddings, B., Ku, K. & Feenstra, M. (eds.). Tampere University of Technology. Department of Civil Engineering, Vol. 2. p. 679-687 9 p.

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

Lean-tuotanto ja sen johtaminen: onnistuminen, haasteet ja soveltuminen Suomen yrityksiin ja muihin organisaatioihin

Heikkilä, J. & Martinsuo, M., 2015, In : *Työpoliittinen aikakauskirja*. 3, p. 18-24 7 p.

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

Long-term effects of purchasing: fact or fiction?

Heikkilä, J., Jääskeläinen, A. & Thitz, O., 2016, *Proceedings of 25th IPSERA 2016 conference, 20-23.3.2016, Dortmund, Germany*. . International Purchasing and Supply Education and Research Association IPSERA

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

Power and wavelength scaling using semiconductor disk laser - bismuth fiber MOPA systems

Heikkinen, J., Gumenyuk, R., Rantamäki, A., Lyytikäinen, J., Leinonen, T., Zolotovskii, I., Melkumov, M., Dianov, E. M. & Okhotnikov, O. G., 2015, *Vertical External Cavity Surface Emitting Lasers (VECSELs)*. V. Guina, M. (ed.). BELLINGHAM: SPIE, 7 p. 93490E. (Proceedings of SPIE; vol. 9349)

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

Augmenting Technology Trees: Automation and Tool Support

Heinimäki, T. J. & Elomaa, T., Sep 2015, *Proceedings of the Seventh International Conference on Virtual Worlds and Games for Serious Applications (VS-Games 2015)*. IEEE, p. 68-75 8 p.

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

Surrogate model for rotational stiffness of welded tubular Y-joints

Heinisuo, M., Mela, K., Tiainen, T., Jokinen, T., Baczkiewicz, J. & Garifullin, M., 2015, *METNET Tenth International Seminar in Budapest 13.-14.10.2015*. p. 18-39 22 p. (HAMKin julkaisuja; no. 15).

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

The 13th Nordic Steel Construction Conference (NSCC.2015)

Heinisuo, M. (ed.) & Mäkinen, J. (ed.), 23 Sep 2015, Tampere: Tampere University of Technology.

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

Kattavasti rivitaloista

Helamaa, A., 2015, In : *Arkkitehti*. 3, p. 80-81 2 p.

Research output: Contribution to journal > Book/Film/Article review > Professional

Customer Perceived Value - A Key in Marketing of Integrated Solutions

Helander, N., Sillanpää, V., Vuori, V. & Uusitalo, O., 3 Jun 2017, *The 5th International Conference on Strategic Innovative Marketing., At Athens, Greece, Volume: 5: September 23-26, 2016*. Kavoura, A., Sakas, D. & Tomaras, P. (eds.). Springer , p. 37-42 (Springer Proceedings in Business and Economics).

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, N., Okkonen, J., Vuori, V., Paavilainen, N. & Kujala, J., 10 Jun 2016, *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*. p. 40-52 13 p.

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

Teoriaa ja kokemuksia arvioinnista MOOCien aikakaudella

Helander, N. & Myllylä, M., 11 Jul 2016, In : TAMPEREEN AMMATTIKORKEAKOULUN JULKAISUJA. SARJA B, RAPORTTEJA. p. 70-77 7 p.

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

Affective experiences and student engagement in higher education

Helander, N., Boedeker, M., Hellsten, P., Jussila, J., Myllärniemi, J. & Tukiainen, M., 13 Sep 2016, *44th Annual Conference Of The European Society For Engineering Education: 12-15 September 2016, Tampere, Finland*. Tampere

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

Coopetition and company performance

Helander, N., Vesalainen, J. & Juha, P., 2 Sep 2015, *IMP 2015 Conference*.

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

The development curve of knowledge management practices: a ten year perspective from top50 Finnish enterprises

Helander, N., Väyrynen, H., Zhao, X. & Kukko, M., 31 Jan 2015, *15th Eurasia business and economics society conference: Lisbon, Portugal, January 8-10, 2015*. Springer

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

Pystytäänkö haitallisia ilmanvaihdivoikoja havaitsemaan ja poistamaan

Heljo, J. & Kauppinen, T., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 325-330 6 p.

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

Energiatehokkuus on entistä enemmän sähkötehon hallintaa

Heljo, J., Sorri, J. & Harsia, P., 2017, *Rakennusfysiikka 2017: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 24.-26.10.2017, Tampere*. Vinha, J. & Kivioja, H. (eds.). Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, Vol. 1. p. 281-286 6 p. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Koko Julkisivua peittävän lasijulkisivun vaikutus Etelä-Ruotsissa sijaitsevan rakennuksen energiatehokkuuteen

Hilliaho, K., Nordquist, B. & Wallentén, P., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 509-516 8 p. (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu 4; no. 4).

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

Lasitettujen parvekkeiden ja terassien käyttäytyminen tulipaloissa

Hilliaho, K., Hietaniemi, J. & Visa, P., 24 Aug 2015, In : *Palontorjuntatekniikka*. Erikoisnumero, p. 18-23 6 p.

Research output: Contribution to journal > Article > Professional

Seinäjoen ydinkeskustan olennaiset kehitysvaiheet ja sen 1950 - 70-lukujen rakennusperinnön arvottamisperiaatteita

Hirvonen, T., 2015, Tampere: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos. 121 p.

Research output: Book/Report > Commissioned report > Professional

The effect of tungsten carbide particles content in a weld deposit on its abrasion resistance

Hlavatý, I., Kozák, J., Krejci, L., Samardzic, I. & Tuominen, J., Oct 2017, In : *Technical Gazette - Technicki vjesnik*. 24, 5, p. 1345-1349 5 p.

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

Developing commercialization plans through stakeholder interaction: Patterns identified from Public-Private Innovation Projects

Höjbjerg Clarke, A., Rostgaard Evald, M. & Aarikka-Stenroos, L., 27 Aug 2015, *The 31st Annual IMP Conference and Doctoral Colloquium 2015, Kolding, Denmark*. Vagn Freytag, P. & Höjbjerg Clarke, A. (eds.). 20 p.

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

High Temperature Tension HSB Device Based on Direct Electrical Heating

Hokka, M., Östman, K., Rämö, J. & Kuokkala, V. T., 2015, *Dynamic Behavior of Materials, Volume 1: Proceedings of the 2014 Annual Conference on Experimental and Applied Mechanics*. Song, B., Casem, D. & Kimberley, J. (eds.). Springer, Vol. 65. p. 227-233 7 p. (Conference Proceedings of the Society for Experimental Mechanics Series).

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

DIC measurements of the human heart during cardiopulmonary bypass surgery

Hokka, M., Mirow, N., Nagel, H., Vogt, S. & Kuokkala, V-T., 2016, *Conference Proceedings of the Society for Experimental Mechanics Series*. Springer New York LLC, Vol. 6. p. 51-59 9 p.

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

Computational modelling of high-cycle fatigue using a continuum based model

Holopainen, S., Kouhia, R., Könnö, J. & Saksala, T., 2015, *Proceedings of the NSCM28: 28th Nordic Seminar on Computational Mechanics, October 22 – 23, 2015, Tallinn, Estonia*. p. 71-74 4 p.

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

Transpositions and duals high-order tensors. On theory and applications in mechanics

Holopainen, S., 4 Jun 2015, *Proceedings of the XII Finnish Mechanics Days: Suomen XII mekaniikkapäivien esitelmät*. Kouhia, R. (ed.). Rakenteiden Mekaniikan Seura ry, p. 188-193 6 p. (Journal of Structural Mechanics).

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

Evolution equations based approach for modeling of fatigue in amorphous glassy polymers. On the investigation of fatigue damage development in polycarbonate

Holopainen, S., 2016, *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*. Papadrakakis, M., Papadopoulos, V., Stefanou, G. & Plevris, V. (eds.). p. 6675-6687 13 p.

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, S. & Kouhia, R., 28 Oct 2016.

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

ÄKK-hankkeen suositukset tulevaisuuden ääneneristysmääräyksiä koskien

Hongisto, V., Kylliäinen, M. & Hyönä, J., 22 Oct 2015, *Rakennusfysiikka 2015*. Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 561-566 6 p.

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

On Predicting Video Quality Expectations of Mobile Users

Hosek, J., Kovac, D., Uhlir, D., Galinina, O., Andreev, S., Koucheryavy, Y. & Ries, M., 2015, *2015 7th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT)*. IEEE, p. 110-115 6 p.

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

Target tracking via combination of particle filter and optimisation techniques

Hosseini, S. S. S., Jamali, M. M., Astola, J. & Gorsevski, P. V., 2016, In : *International Journal of Mathematical Modelling and Numerical Optimization*. 7, 2, p. 212-229 18 p.

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

Analysis of Cognitive Cooperative Networks with Best Relay Selection and Diversity Reception

Ho-Van, K., Sofotasios, P. C., Que Son, V., Thanh Tra, L. & Hong Lien, P., 2015, *2015 International Conference on Advanced Technologies for Communications (ATC)*. IEEE, p. 651-656 6 p.

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

A Co-creation Centre for University–Industry Collaboration – A Framework for Concept Development

Huhtelin, M. & Nenonen, S., 2015, In : *Procedia Economics and Finance*. 21, p. 137 - 145

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

The Workplace for Researchers – Enhancing Concentration and Face-to-face Interaction

Huhtelin, M. & Nenonen, S., 2016, *Proceedings of the CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities*. Tampere University of Technology. Department of Civil Engineering, p. 753-764

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

Resilient Asset Management and Governance Fordeteriorating Water Services Infrastructure

Hukka, J. J. & Katko, T. S., 2015, In : *Procedia Economics and Finance*. 21, p. 112-119 8 p.

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

Integrated urban water management, the green economy and institutional eco-innovations

Hukka, J. J., Nyanchaga, E. N. & Katko, T. S., 2016, *Proceedings of the CIB World Building Congress 2016: Volume III - Building up business operations and their logic. Shaping materials and technologies*. Saari, A. & Huovinen, P. (eds.). Tampere: Tampere University of Technology. Department of Civil Engineering, p. 260-271 11 p.

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, J-P., Hämäläinen, T. & Pohjolainen, S., 2016, *Progress in Industrial Mathematics at ECMI 2014*. Russo, G., Capasso, V., Nicosia, G. & Romano, V. (eds.). Springer International Publishing, (Mathematics in Industry; vol. 22).

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

Winner-Does-Not-Take-All: Selective Attention and Local Bias in Platform-Based Markets

Huotari, P., Järvi, K., Kortelainen, S. & Huhtamäki, J., Jan 2015, *Academy of Management Proceedings: Meeting Abstract Supplement*. Academy of Management, (Academy of Management. Annual Meeting Proceedings).

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

Characteristics of Digital Hydraulics with Commercial Controllers

Huova, M., Ahopelto, M., Ketonen, M., Ahola, V., Linjama, M. & Huhtala, K., Feb 2015, *The Seventh Workshop on Digital Fluid Power*. Linz Center of Mechatronics, p. 114-128 15 p.

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

Theoretical 71-Concept Platform for Advancing Construction-related Business Management

Huovinen, P., 2015, In : *Procedia Economics and Finance*. 21, p. 80-87 8 p.

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

Leveraging concepts for environmentally sustainable business management in construction - a focused review

Huovinen, P., 2015, *CIB Proceedings 2015 : Going North for Sustainability: Leveraging Knowledge and Innovation for Sustainable Construction and Development*. Egbu, C. (ed.). London, UK: IBEA Publications Ltd, p. 286-296 11 p.

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, P., 28 May 2016, *Proceedings of the CIB World Building Congress 2016, May 30 - June 3, 2016, Tampere, Finland: Advancing products and services*. Achour, N. (ed.). Tampere: Tampere University of Technology. Department of Civil Engineering, Vol. V. p. 1129-1140 12 p.

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

Car Type Recognition with Deep Neural Networks

Huttunen, H., Shokrollahi Yancheshmeh, F. & Chen, K., Jun 2016, *2016 IEEE Intelligent Vehicles Symposium, IV 2016*. IEEE, p. 1115-1120

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

Suuren lämmöneristämättömän maanvastaisen alapohjan vaikutus rakennuksen energiankulutukseen

Huttunen, P., Rantala, J. & Vinha, J., 24 Oct 2017, *Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24-26.10.2017, Tampere*. Vinha, J. & Kivioja, H. (eds.). Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, Vol. 1. p. 335-342 8 p. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.)

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

Demolition Rates of Buildings with Different Functions and Construction Materials

Huuhka, S., 21 Jun 2016, *YRSB16 - iiSBE Forum of Young Researchers in Sustainable Building 2016: Innovations for Sustainable Future June 21, 2016, Prague*. Zelezna, J., Hajek, P., Tywoniak, J., Lupisek, A. & Sojkova, K. (eds.). Prague: Czech Technical University in Prague, p. 301-307 7 p.

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

Demolished buildings: Empirical evidence on types, ages and construction materials

Huuhka, S., 22 Jun 2016, *CESB16 - Central Europe towards Sustainable Building 2016: Innovations for Sustainable Future, June 22-24, 2016, Prague*. Hajek, P., Tywoniak, J., Lupisek, A. & Sojkova, K. (eds.). Prague: Czech Technical University in Prague, p. 1105-1112 8 p.

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

Puu-Hubi: Perinteestä uusiin innovaatioihin

Hynynen, A. (ed.), Panu, A-M. (ed.) & Taanila, T. (ed.), 2015, Tampereen teknillinen yliopisto. Arkkitehtuurin laitos. 107 p.

Research output: Book/Report › Commissioned report › Professional

Puurakentamisesta potkua alueiden ja kaupunkien kehittämiseen

Hynynen, A., 2015, *Puu-Hubi. : Perinteestä uusiin innovaatioihin*. Hynynen, A., Panu, A-M. & Taanila, T. (eds.). Tampereen teknillinen yliopisto. Arkkitehtuurin laitos, p. 75-93 19 p.

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

Extending Professional Fields. Architectural Research and Regional Development

Hynynen, A., 2016, *Proceedings of the CIB World Building Congress 2016.: Volume I - Creating built environments of new opportunities*. Kähkönen, K. & Keinänen, M. (eds.). Tampere University of Technology. Department of Civil Engineering, Vol. I. p. 372-383 12 p.

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

Future in wood? Timber construction in boosting local development.

Hynynen, A., 2016, In : *European Spatial Research and Policy*. 23, 1, p. 127-139 13 p.

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

Professional knowledge, skills and competencies of the new graduates and the engineering professionals - Comparison of the importance in working-life

Hyötynen, P., Mursu, S. & Teini, J-P., 2014, *SEFI Annual Conference 2014*. Brussel: European Society for Engineering Education SEFI

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

Non-Instantaneous Polarization Dynamics in Resonant Dielectrics

Hyyti, J., Hofmann, M., Birkholz, S., Bock, M., Das, S. K., Grunwald, R., Hoffmann, M., Nagy, T., Demircan, A., Jupé, M., Ristau, D., Morgner, U., Brée, C., Woerner, M., Elsaesser, T. & Steinmeyer, G., 2015, *2015 European Conference on Lasers and Electro-Optics - European Quantum Electronics Conference*. Washington, D.C.: Optical Society of America, EE_5b_2

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

Liikuntapalveluiden ulkoistaminen ja palveluiden turvallisuus. Nykytilanne ja kuntien kokemukset – Loppuraportti

Hyytinen, T. & Kivistö-Rahnasto, J., 2015, Helsinki: OPETUS- JA KULTTUURIMINISTERIÖ. 27 p. (Opetus- ja kulttuuriministeriön julkaisuja)

Research output: [Book/Report](#) › [Commissioned report](#) › [Professional](#)

Architecture for Open, Knowledge-Driven Manufacturing Execution System

Iarovy, S., Xu, X., Lobov, A., Lastra, J. L. M. & Strzelczak, S., 2015, *Advances in Production Management Systems: Innovative Production Management Towards Sustainable Growth*. Springer, p. 519-527 9 p.

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

Energy efficiency evaluation method for machine tools

Ikkala, K., Lanz, M., Kiviö, J. & Coatanéa, E., 2015, *Flexible Automation and Intelligent Manufacturing 2015*. The Choir Press, p. 58-65 8 p.

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

Validation of the method to evaluate the corrosion propagation stage by hygrothermal simulation

Ilomets, S., Kalamees, T. & Lahdensivu, J., 2016, *CESB 2016 - Central Europe Towards Sustainable Building 2016: Innovations for Sustainable Future*. Czech Technical University in Prague, p. 1113-1120 8 p.

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

Dots-on-the-fly electron beam lithography

Isotalo, T. J. & Niemi, T., 2016, *SPIE Proceedings: Alternative Lithographic Technologies VIII*. Bencher, C. (ed.). SPIE, Vol. 9777. 7 p. 97771E. (Proceedings of SPIE).

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

Culture-Aware Web Information System Development

Jaakkola, H. & Thalheim, B., 2015, *25th International Conference on Information Modelling and Knowledge Bases EJC 2015 June 9-12, 2015, Maribor, Slovenia*. Welzer, T., Hölbl, M., Kiyoki, Y., Thalheim, B. & Jaakkola, H. (eds.). Maribor: University of Maribor, Faculty of Electrical Engineering and Computer Science, p. 121-138 18 p.

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

Institutionalizing a service innovation in complex networks: The case of developing and diffusing electronic prescription in Finland.

Jaakkola, E., Aarikka-Stenroos, L. & Salmivalli, L., 27 Aug 2015, *The 31st Annual IMP Conference and Doctoral Colloquium 2015, Kolding, Denmark*. Vagn Freytag, P. & Höjbjerg Clarke, A. (eds.). 12 p.

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Conference contribution](#) › [Professional](#)

Recognising the culture context in information search

Jaakkola, H. & Thalheim, B., 2016, *Proceedings of the 26th International Conference on Information Modelling and Knowledge Bases - EJC 2016. : June 6-10, 2016, Tampere, Finland*. . Jaakkola, H., Thalheim, B., Kiyoki, Y. & Yoshida, N. (eds.). Tampere: Tampere University of Technology Pori Department, Vol. 18. p. 167-185 9 p. (Tampere University of

Technology Pori Department Publications; no. 18).

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

Proceedings of the 26th International Conference on Information Modelling and Knowledge Bases - EJC 2016: June 6-10, 2016, Tampere, Finland.

Jaakkola, H. (ed.), Thalheim, B. (ed.), Kiyoki, Y. (ed.) & Yoshida, N. (ed.), 2016, Tampere: Tampere University of Technology. (Tampere University of Technology, Pori Department Publications)

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

Culture-Aware Web Information Systems in Dependence of Context

Jaakkola, H. & Thalheim, B., Jun 2017, *The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases*. Sornlertlamvanich, V., Chawakitchareon, P., Hansuebsai, A., Koopipat, C., Kiyoki, Y., Jaakkola, H., Thalheim, B. & Yoshida, N. (eds.). Sirindhorn International Institute of Technology, Thammasat University, Thailand, p. 309-331

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

Identifying the potential of performance measurement in supporting strategic purchasing and supply chain management

Jääskeläinen, A., Heikkilä, J. & Thitz, O., 2015, *8th conference on performance measurement and management control*. Nice, France: The European Institute for Advanced Studies in Management, EIASM, p. 1-21 21 p. (Conference on Performance Measurement and Management Control).

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

The role of the purchasing function in non-financial value creation

Jääskeläinen, A., Thitz, O. & Heikkilä, J., 2016, *25th Proceedings of IPSERA 2016 conference, : 20-23.3.2016, Dortmund, Germany..*

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

The role of performance measurement in supplier-buyer value-creation

Jääskeläinen, A., Thitz, O. & Heikkilä, J., 2017, *Proceedings of 9th Conference on Performance Measurement and Management Control: 13-15 September 2017, Nice, France*. EIASM, (Conference on Performance Measurement and Management Control).

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, A., Schiele, H. & Aarikka-Stenroos, L., 2018, *Academy of Management Proceedings*. 1 ed. Academy of Management AOM, Vol. 2018. (Academy of Management Proceedings; vol. 2018, no. 1).

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, A., Sillanpää, V. & Helander, N., 2019, *Proceedings of 14th IFKAD 2019 conference: Matera, Italy, 5-7 June. .* (Proceedings IFKAD).

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, T., Lehtovuori, P., Rajaniemi, J., Siikonen, M., Mäntynen, J., Rantanen, A., Joutsiniemi, A., Koskela, K., Kärkinen, T., Saarikoski, P. & Saarniaho, K., 26 Jan 2018, Helsinki: Ympäristöministeriö. 74 p.

Research output: Book/Report › Commissioned report › Professional

Hiekkatekonurmipintaisten pesäpallokenttien ominaisuuksien muuttuminen ja elinkaari

Jäniskangas, T., 2015, Tampereen teknillinen yliopisto. Rakennustekniikan laitos. 45 p. (Tampereen teknillinen yliopisto. Rakennustekniikan laitos. Maa- ja pohjarakenteet. Tutkimusraportti; vol. 80)

Research output: Book/Report › Commissioned report › Professional

CueSense: a Wearable Proximity-Aware Display Enhancing Encounters

Jarusriboonchai, P., Olsson, T., Prabhu, V. & Väänänen-Vainio-Mattila, K., 2015, *CHI EA '15 Proceedings of the 33rd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems*. ACM, 6 p.

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

Kolloidisten suspensioiden online -analysointi: tutkimuksesta liiketoimintaa

Järveläinen, M., Yli-Hallila, T., Salpavaara, T., Verho, J., Vilkkö, M. & Levänen, E., Oct 2015, In : *Materia*. 5/2015, p. 54-57 4 p.

Research output: Contribution to journal › Article › Professional

Guidelines for Designing Human-friendly User Interfaces for Factory Floor Manufacturing Operators

Järvenpää, E. & Lanz, M., 2015, *Advances in Production Management Systems: Innovative Production Management Towards Sustainable Growth: IFIP WG 5.7 International Conference, APMS 2015, Tokyo, Japan, September 7-9, 2015, Proceedings, Part II*. Springer International Publishing, p. 531-538 8 p. (IFIP Advances in Information and Communication Technology).

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

Monitoring urban air quality with a diffusion charger based electrical particle sensor

Järvinen, A., Kuuluvainen, H., Niemi, J. V., Saari, S., Dal Maso, M., Pirjola, L., Hillamo, R., Janka, K., Keskinen, J. & Rönkkö, T., 2015, In : *Urban Climate*. 14, 3

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

Detailed analysis of laser-induced breakdown spectroscopy of single particles using electrodynamic balance trapping

Järvinen, S. T., Saari, S., Keskinen, J. & Toivonen, J., 2015, *The European Conference on Lasers and Electro-Optics 2015*. Optical Society of America, p. CH_7_5

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

Industrial impact on topics and types of Master's theses: Empirical study of software engineering theses made in 1990-2016

Järvinen, H-M. & Mikkonen, T., 12 Sep 2016, *Proceedings of SEFI 2016 Annual Conference*. Järvinen, H-M. & Clark, R. (eds.). European Society for Engineering Education SEFI, 11 p.

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

On the effect of damping on stability of non-conservative systems

Jeronen, J. & Kouhia, R., 2015, *Proceedings of the XII Finnish Mechanics Days: Suomen XII mekaniikkapäivien esitelmät*. Kouhia, R., Mäkinen, J., Pajunen, S. & Saksala, T. (eds.). Rakenteiden Mekaniikan Seura ry, p. 77 82 p.

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

Multi-site delamination analysis using virtual crack closure technique for a composite aircraft wing flap

Jokinen, J., Kanerva, M. & Saarela, O., Sep 2018, *31st Congress of the International Council of the Aeronautical Sciences (Proceedings): Belo Horizonte, Brazil September 9-14, 2018*. ICAS Press

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

Dynamic characteristics of three-phase Z-source-based photovoltaic inverter with asymmetric impedance network

Jokipii, J. & Suntio, T., 2015, *9th International Conference on Power Electronics ECCE Asia (ICPE-ECCE Asia)*. IEEE, p. 1976-1983 8 p.

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

Kustannusoptimaaliset energiakorjaus- ja uusiutuvan energian tuotannon ratkaisut kunnallisissa palvelurakennuksissa

Jokisalo, J., Sankelo, P., Sirén, K. & Vinha, J., 24 Oct 2017, *Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere*. Vinha, J. & Kivioja, H. (eds.). Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, Vol. 1. p. 287-292 6 p.

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

Developing Learning and Teaching in Engineering Mathematics with and without Technology

Joutsenlahti, J., Ali-Löytty, S. & Pohjolainen, S., 15 Sep 2016, *SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation*. European Society for Engineering Education SEFI

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

Puurunkoisten tuuletettujen yläpohjien kosteustekninen toiminta

Junttila, H., Laukkarinen, A. & Vinha, J., 22 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere.* Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 77-82 6 p. (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu; no. 4).

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

Social media applications in external B2B transactions: An empirical analysis of the Finnish technology industry

Jussila, J. J., Kärkkäinen, H., Aramo-Immonen, H., Ammirato, S., Michele Felicetti, A. & Della Gala, M., 2015, *10th International Forum on Knowledge Asset Dynamics: Culture, Innovation and Entrepreneurship: connecting the knowledge dots*. Bari, Vol. 10. p. 1930-1940 11 p.

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

Social Media in Business-to-Business Companies' Innovation

Jussila, J., 6 Nov 2015, Tampere University of Technology. 70 p. (Tampere University of Technology. Publication; vol. 1333)

Research output: Book/Report > Doctoral thesis > Collection of Articles

Does Strategic and Innovative Fit Indicate Smart Social Media use in a Company?

Jussila, J., Aramo-Immonen, H., Rouvari, O., Porkka, P. & Ammirato, S., 15 Jun 2016, *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, p. 1973-1983 11 p. 249

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

Sosiaalinen media brändi- ja asiakastiedon lähteenä

Jussila, J., Helander, N., Vuori, V. & Okkonen, J., 23 Sep 2016, *TiedeAreena 2016*. Tuomi, P. (ed.). Pori: Tampereen teknillinen yliopisto, Porin laitos, Vol. 11. p. 55-56 2 p.

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

Reliability and Perceived Value of Sentiment Analysis for Twitter Data

Jussila, J., Vuori, V., Okkonen, J. & Helander, N., 3 Jun 2017, *5th International Conference on Strategic Innovative Marketing, At Athens, Greece.: September 23-26, 2016*. Kavoura, A., Sakas, D. & Tomaras, P. (eds.). Springer, 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, J., Boedeker, M., Jalonen, H. & Helander, N., 3 Jun 2017, *5th International Conference on Strategic Innovative Marketing, Volume: 5: September 23-26, 2016 At Athens, Greece*. Kavoura, A., Sakas, D. & Tomaras, P. (eds.). Springer, p. 25-30 (Springer Proceedings in Business and Economics).

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

Social media analytics empowering marketing insight- A framework for analyzing affective experiences from social media content

Jussila, J., Boedeker, M., Jalonen, H. & Helander, N., 27 May 2016.

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

A bibliometric study on authorship trends and research themes in knowledge management literature

Jussila, J. J., Mustafee, N., Aramo-Immonen, H., Menon, K., Hajikhani, A. & Helander, N., 7 Jun 2017, *12th International Forum on Knowledge Asset Dynamics, St. Petersburg, Russia 7-9 June 2017: Knowledge Management in the 21st Century: Resilience, Creativity and Co-creation*. St. Petersburg, Russia, Vol. 12. p. 389-397 9 p.

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, J., Menon, K., Gupta, J. & Kärkkäinen, H., 3 Jul 2017, *Proceedings of the 4th European Conference on Social Media ECSM 2017*. Reading, UK: Academic Conferences and Publishing International Limited, Vol. 4. p. 161-169

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

Sata vuotta Suomen suurimmasta lavantautiepidemiasta

Juuti, P. & Rajala, R., 2017, In : *Vesitalous*. 2017, 1, p. 12-14 3 p.

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

Valkea kaupunki, mustat vedet

Juuti, P. & Rajala, R., 2017, In : *Vesitalous*. 2017, 1, p. 15-17 3 p.

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

How to benefit from learning logs in engineering education?

Juuti, T., Kopra, M. J., Rättyä, K. & Lehtonen, T., 2016, *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

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

Vesi, ongelma ennen ja nyt?

Juuti, P., May 2017, In : *Ympäristöhistoria: Finnish Journal of Environmental History*. 2017, 1, p. 54-65

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

Local narratives in the long term water conflicts: Case of Turku Region in Finland

Juuti, P. S., Kurki, V. & Rajala, R., May 2017, In : *Ympäristöhistoria: Finnish Journal of Environmental History*. 2017, 1, p. 39-49

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

Editorial: Information to support decision-making

Juuti, P. S., May 2017, In : *Ympäristöhistoria: Finnish Journal of Environmental History*. 2017, 1, p. 5-6

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

Sata vuotta vesihuoltoa Suomessa

Juuti, P., Katko, T. S. & Rajala, R., Dec 2017, In : *Vesitalous*. 58, 6, p. 13-15 3 p.

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

Empirical study of good, bad and ugly modular engineering solutions in machinery manufacturing industry

Juuti, T., Pakkanen, J. & Lehtonen, T., 26 Jul 2019, *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, p. 2981-2990 10 p. (Proceedings of the Design Society: International Conference on Engineering Design).

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

Towards Business Potential of Workplace Services in Finland

Jylhä, T., Vuolle, M., Nenonen, S. & Virtaneva, M., 2015, *8th Nordic Conference on Construction Economics and Organization: May 28-29 2015, Tampere, Finland*. Elsevier, Vol. 21. p. 518-523 6 p. (Procedia Economics and Finance).

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

Fractional Ornstein-Uhlenbeck Processes

Kaarakka, T., 6 Nov 2015, Tampere University of Technology. 102 p. (Tampere University of Technology. Publication; vol. 1338)

Research output: Book/Report › Doctoral thesis › Monograph

Kehittämistutkimus: vuorovaikuteisten Matlab-opetusohjelmien vaikutus minäpystyvyyteen ja oppimistuloksiin yliopistomatematiikassa

Kaarakka, T. E., Ali-Löytty, S. & Huhtanen, M., 2018, In : *FMSERA Journal*. 2, 1, p. 67-77 11 p.

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

CEO 2015: Proceedings of the 8th Nordic Conference on Construction Economics and Organization

Kähkönen, K. (ed.), Huovinen, P. (ed.) & Keinänen, M. (ed.), 2015, Tampere University of Technology. Department of Civil Engineering. 40 p. (Tampere University of Technology. Department of Civil Engineering. Construction Management and Economics. Report; vol. 16)

Research output: Book/Report › Commissioned report › Professional

Editorial

Kähkönen, K., Huovinen, P. & Keinänen, M., 2015, In : *Procedia Economics and Finance*. 21, p. 1-5

Research output: Contribution to journal › Editorial › Scientific

8th Nordic Conference on Construction Economics and Organization

Kähkönen, K. (ed.), 2015, In : *Procedia Economics and Finance*. 21

Research output: Contribution to journal › Special issue › Scientific › peer-review

Proceedings of the CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities

Kähkönen, K. (ed.) & Keinänen, M. (ed.), 27 May 2016, Tampere University of Technology. Department of Civil Engineering. 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

Quality evaluation on of contractor's schedule for building renovation

Kähkönen, K. & Brandt, J., 1 Aug 2017, *Re-shaping the construction industry*. Ciribini, A., Alaimo, G., Capone, P., Daniotti, B., Dell'Osso, G. & Nicoletta, M. (eds.). ISTeA Italian Society of Science, Technology and Engineering of Architecture; Maggioli Editore, p. 175-184 10 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › 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, H., Penttinen, J. P., Phung, H. M., Rajala, P., Tukiainen, A., Ranta, S. & Guina, M., 2019, *Vertical External Cavity Surface Emitting Lasers (VECSELS) IX*. Keller, U. (ed.). SPIE, IEEE, 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

Double-side pumped membrane external-cavity surface-emitting laser (MECSEL) with increased efficiency emitting > 3 W in the 780 nm region

Kahle, H., Phung, H-M., Penttinen, J-P., Rajala, P., Tukiainen, A., Ranta, S. & Guina, M., 1 May 2019, *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE

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

Comparison of food frequency questionnaire data and shopping records for the assessment of food intake

Kallonen, A., Nieminen, H., Das, S. & Sallinen, R., 27 Aug 2018, *Proceedings of Seventh International Conference on Well-Being in the Information Society: Fighting Inequalities (WIS 2018)*. p. 25-30 (TUCS Lecture Notes; vol. 28).

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

Automatization and stress analysis data of CoCr laser weld fatigue tests

Kanerva, M., Besharat, Z., Pärnänen, T., Jokinen, J., Honkanen, M., Sarlin, E., Göthelid, M. & Schlenzka, D., 1 Oct 2019, In : *Data in Brief*. 26, 104374.

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

Strengthening student engagement by integrating the contents of a flipped course around a well-confined real life theme

Kangas, J. & Lunden, O-P., Sep 2016, *SEFI 2016 Annual Conference Proceedings: Engineering Education on Top of the World: Industry University Cooperation*. 9 p.

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

Underpinning Interrelated Factors of Physical, Virtual, and Social Learning Environments

Kangas, J. & Poutanen, J., 2018, *ICERI2018 Proceedings*. p. 8087-8096 (ICERI proceedings).

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

Hometalolle suoritettavat toimenpiteet ja niiden valinta - case-esimerkki

Kankkunen, T. & Kero, P., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan

laitos, rakennetekniikka, p. 265-270 6 p.

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

1180nm VECSEL with 50 W output power

Kantola, E., Leinonen, T., Ranta, S., Tavast, M., Penttinen, J-P. & Guina, M., 2015, *Proceedings of SPIE - The International Society for Optical Engineering*. SPIE, Vol. 9349. 93490U

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

50 W VECSEL emitting at 1180 nm

Kantola, E., Leinonen, T., Penttinen, J-P., Tavast, M., Ranta, S. & Guina, M., 2015, *2015 Conference on Lasers and Electro-Optics Europe - European Quantum Electronics Conference, 21.-25.6. Munich, Germany: CB_3_1*. OSA

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

High-efficiency yellow VECSEL with 20 W output power

Kantola, E., Leinonen, T., Ranta, S., Tavast, M. & Guina, M., 2013, *Optics Days 2013, Helsinki, Finland: Oral presentation in Optics Days 2013, Helsinki, Finland*.

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

Frequency-doubled VECSEL employing a Volume Bragg Grating for linewidth narrowing

Kantola, E., Penttinen, J-P., Leinonen, T., Ranta, S. & Guina, M., 2018, *CLEO: Applications and Technology, CLEO_AT 2018*. OSA - The Optical Society

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, E., Leinonen, T., Rantamäki, A., Guina, M., Sirbu, A. & Iakovlev, V., 2018, *CLEO: Applications and Technology, CLEO_AT 2018*. OSA - The Optical Society

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., 1 Mar 2017, In : *Journal of Ceramic Science and Technology*. 8, 1, p. 101-112 12 p.

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

Direct Laser Writing of Fluorescent Silver Nanoclusters in Polyvinyl Alcohol Films

Karimi, N., Kunwar, P. & Toivonen, J., Oct 2015, *Frontiers in Optics 2015: Proceedings*. FTu5E.4

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

Quenching nematicon fluctuations via photo-stabilization

Karimi, N., Alberucci, A., Virkki, M., Priimägi, A., Kauranen, M. & Assanto, G., 31 Mar 2016, In : *Photonics Letters of Poland*. 8, 1, p. 2-4 3 p.

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

Multi-wavelength mid-IR light source for gas sensing

Karioja, P., Alajoki, T., Cherchi, M., Ollila, J., Harjanne, M., Heinilehto, N., Suomalainen, S., Viheriälä, J., Zia, N., Guina, M., Buczyński, R., Kasztelanic, R., Kujawa, I., Salo, T., Virtanen, S., Kluczynski, P., Sagberg, H., Ratajczyk, M. & Kalinowski, P., 20 Feb 2017, *Proc. SPIE 10110: Photonic Instrumentation Engineering IV*. SPIE, Vol. 10110. 101100P. (Proceedings of SPIE; vol. 10110).

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

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

Karioja, P., Alajoki, T., Cherchi, M., Ollila, J., Harjanne, M., Heinilehto, N., Suomalainen, S., Zia, N., Tuorila, H., Viheriälä, J., Guina, M., Buczyński, R., Kasztelanic, R., Salo, T., Virtanen, S., Kluczynski, P., Borgen, L., Ratajczyk, M. & Kalinowski, P., 2018, *Next-Generation Spectroscopic Technologies XI*. SPIE, IEEE, 106570A. (SPIE Conference Proceedings; vol. 10657).

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

Muuttuvat ajotilanteet aiheuttavat uudentyyppisiä ajoneuvojen hiukkaspäästöjä

Karjalainen, P., 12 Oct 2015, In : *Ympäristö ja terveys*. 46, 6, p. 28-31 4 p.

Research output: Contribution to journal › Article › Professional

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., 25 Nov 2015, In : *Atmospheric Chemistry and Physics Discussions*. 15, 22, p. 33253-33282 29 p.

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

Some aspects of molecular physics in measuring tissue samples using enose for disease diagnostics

Karjalainen, M., Roine, A., Oksala, N. & Lekkala, J., 2015, *XXI IMEKO World Congress "Measurement in Research and Industry"*. IMEKO-International Measurement Federation Secretariat

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

The New Era of Crowdsourcing — Industrial Crowdsourcing

Kärkkäinen, H., Jussila, J. & Erkinheimo, P., 2015, *Open Innovation Yearbook 2015*. Salmelin, B. (ed.). Brussel: European Commission, p. 25-31 7 p.

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

Different approaches of the PLM maturity concept and their use domains –analysis of the state of the art

Kärkkäinen, H. & Silventoinen, A., 2016, *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, p. 89-102 14 p. (IFIP Advances in Information and Communication Technology; vol. 467).

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

Evaluation of visual object trackers on equirectangular panorama

Kart, U., Kämäräinen, J. K., Fan, L. & Gabbouj, M., 2018, *VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*. SCITEPRESS, Vol. 5. p. 25-32 8 p.

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

Tampereelta valmistuneiden vesihuoltoalan diplomi-insinöörien sijoittuminen ja odotukset yliopisto-opetukselle

Katko, T. S., Lukka, A. & Rajala, R., 2015, In : *Vesitalous*. 2, p. 45-47 3 p.

Research output: Contribution to journal › Article › Professional

Social and Economic Importance of Water Services in the Built Environment: Need for More Structured Thinking

Katko, T. S. & Hukka, J. J., 2015, In : *Procedia Economics and Finance*. 21, p. 217-223 7 p.

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

Institutional development is the key for sustainable water services in the built environment

Katko, T. S. & Hukka, J. J., 2016, *Proceedings of the CIB World Building Congress 2016: Volume IV - Understanding impacts and functioning of different solutions*. Nenonen, S. & Junnonen, J-M. (eds.). Tampere: Tampere University of Technology. Department of Civil Engineering, p. 419-430 12 p.

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

Water services heritage and institutional diversity

Katko, T. S., Juuti, P., Pietilä, P. & Rajala, R., 2015, *Water and Heritage: material, conceptual and spiritual connections*. Willems, W. & van Schaik, H. (eds.). Sidestone Press

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

Kohti tasapuolisempaa tutkimuksen arviointia: Pääkirjoitus

Katko, T. S., 2015, In : *Ympäristöhistoria: Finnish Journal of Environmental History*. 5, 1, p. 4-5 2 p.

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

Suomen vesihuollon kehitys ja opit kansainvälisessä kontekstissa

Katko, T. S., 2017, In : *Vesitalous*. 58, 1, p. 8-11 4 p.

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

Computational wavelength resolution for in-line lensless holography: Phase-coded diffraction patterns and wavefront group-sparsity

Katkovnik, V., Shevkunov, I., Petrov, N. V. & Egiazarian, K., 2017, *Digital Optical Technologies 2017*. SPIE, 1033509. (Proceedings of SPIE; vol. 10335).

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

Multiwavelength surface contouring from phase-coded diffraction patterns

Katkovnik, V., Shevkunov, I., Petrov, N. V. & Eguiazarian, K., 1 Jan 2018, *Unconventional Optical Imaging 2018*.

Strasbourg, France. SPIE, Vol. 10677. 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

A continuum damage model for creep fracture and fatigue analyses

Kauppi, P., Kouhia, R., Ojanperä, J., Saksala, T. & Sorjonen, T., 2016, *21st European Conference on Fracture, ECF21, 20-24 June 2016, Catania, Italy*. p. 887-894 8 p. (Procedia Structural Integrity; vol. 2).

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

Paine-erot Pirkanmaan ja Helsingin julkisissa palvelurakennuksissa

Kauppinen, A., Kivistö, M., Pirhonen, J. & Vinha, J., 24 Oct 2017, *Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24-26.10.2017, Tampere*. Vinha, J. & Kivioja, H. (eds.). Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, Vol. 1. p. 215-221 7 p. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Enhancement mechanisms for second-harmonic generation from metal nanostructures

Kauranen, M., Czaplicki, R., Mäkitalo, J., Lehtolahti, J., Koskinen, K., Laukkanen, J. & Kuittinen, M., 2015, *PROCEEDINGS OF SPIE: Ultrafast Phenomena and Nanophotonics XX*. Vol. 9746.

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

Consensus building in the pre-design phase of building projects

Keinänen, M., Uotila, U., Sorri, J., Teriö, O. & Kähkönen, K., 2016, *WBC16 Proceedings of the CIB World Building Congress 2016 Volume II : Environmental Opportunities and challenges, Constructing commitment and acknowledging human experiences*. Prins, M., Wamelink, H., Giddings, B., Ku, K. & Feenstra, M. (eds.). Tampere University of Technology. Department of Civil Engineering, Vol. Volume II . p. 561-572 12 p. (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

Core Project Team As a Management Entity for Construction Projects

Keinänen, M. & Kähkönen, K., 2018, In : *In_bo: Ricerche e progetti per il territorio, la città e l'architettura*. Construction Management. 9, 13, p. 208-217 10 p.

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

Bioimpedance measurement system for evaluation of the status of wound healing

Kekonen, A., Bergelin, M., Eriksson, J-E., Ylänen, H., Kielosto, S. & Viik, J., 17 Nov 2016, *2016 15th Biennial Baltic Electronics Conference (BEC)*. IEEE, p. 175-178 4 p.

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

Tutkimuskatsaus: Uusia menetelmiä haavan paranemisen arviointiin ja seurantaan

Kekonen, A., Bergelin, M. & Viik, J., 20 Oct 2018, In : *HAAVA*. 20, 3, p. 30-32 3 p.

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

Long-term monitoring of acute wound healing from beneath the primary wound dressings

Kekonen, A., Bergelin, M., Eriksson, J-E., Vesa, M., Johansson, M. & Viik, J., Oct 2018, *2018 16th Biennial Baltic Electronics Conference (BEC)*. IEEE, 4 p.

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

Experiences from development of security audit criteria

Kelo, T. & Eronen, J., 2017, *Proceedings of the 16th European Conference on Cyber Warfare and Security, ECCWS 2017*. TAPPI Press; Curran Associates, Inc, p. 208-215 8 p.

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

Model for efficient development of security audit criteria

Kelo, T., Eronen, J. & Rousku, K., 2018, *Proceedings of the 17th European Conference on Cyber Warfare and Security, ECCWS 2018*. Curran Associates, p. 244-252 9 p.

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

Analysis on bus travel time through traffic light intersection

Kerminen, R., Wang, C. & Visa, A., 2015, *ITS World Congress 2015 Proceedings: Towards Intelligent Mobility – Better Use of Space*. 10 p. EU-ITS-2051

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

Alpha radiation induced luminescence in solar blind spectral region

Kerst, T. & Toivonen, J., 2018, *CLEO: Applications and Technology, CLEO_AT 2018*. OSA - The Optical Society

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, S., Sipilä, E., Pajarre, E. & Takala, J., 12 Sep 2016, *SEFI Annual Conference 2016: Engineering Education on Top of the World: Industry University Cooperation*.

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, S., 10 Jun 2016, *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*.

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, S., 2017, *Integrating arts and creativity into business practice*. Schiuma, G. & Lerro, A. (eds.). IGI Global, p. 1-20 20 p.

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

Re-inventing organizational creativity and innovation through adopting a service-based working culture

Ketonen-Oksi, S., 28 Dec 2016, *Integrating Art and Creativity into Business Practice*. IGI Global, p. 1-20 20 p.

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

Advocator, jester, spokesperson, provocateur and boundary spanner? Exploring different communication styles at twitter

Ketonen-Oksi, S. & Jalonen, H., 6 Jun 2017, *12th Conference proceedings of IFKAD2017: St.Petersburg, Russia, 7-9 June 2017*. (Proceedings IFKAD).

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

Two-turns antenna and magnetic materials for effective powering of mm-size implant in wireless brain-machine interface system

Khan, W., Björninen, T., Ukkonen, L. & Sydänheimo, L., Sep 2015, *2015 IEEE MTT-S 2015 International Microwave Workshop Series on RF and Wireless Technologies for Biomedical and Healthcare Applications (IMWS-BIO)*. IEEE, p. 103-104 2 p.

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

Wirelessly powered implantable system for wireless long-term monitoring of intracranial pressure

Khan, M. W. A., Björninen, T., Sydänheimo, L. & Ukkonen, L., 1 Mar 2017, *Proceedings of IEEE 2017 International Workshop on Antenna Technology*. IEEE, p. 122-124

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

Inkjet printed metallic micropillars for bare die flip-chip bonding

Khorrarnadel, B., Kraft, T. M. & Mäntysalo, M., 26 Oct 2017, In : Flexible and Printed Electronics. 2, 4, p. 045005
Research output: Contribution to journal › Article › Scientific › peer-review

Management and Planning Under Complexities of Metro Construction

Khosravi, M. & Kähkönen, K., 2015, In : Procedia Economics and Finance. 21, p. 415-421 7 p.
Research output: Contribution to journal › Article › Scientific › peer-review

Cavitation wear characteristics of Al₂O₃-ZrO₂-ceramic coatings deposited by APS and HVOF -processes

Kiilakoski, J., Lukac, F., Koivuluoto, H. & Vuoristo, P., 9 Jun 2017, *International Thermal Spray Conference ITSC 2017, Conference Proceedings: June 7-9, 2017, Düsseldorf, Germany..* Düsseldorf: DVS Media GmbH, Vol. 336. p. 928-933 6 p. (DVS-Berichte / DVS - Deutscher Verband für Schweißen und Verwandte Verfahren e.V.).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

From theories to game mechanics: Developing a game for training rational numbers

Kiili, K., 2017, *Proceedings of the 11th European Conference on Games Based Learning, ECGBL 2017.* Academic Conferences and Publishing International Limited, p. 328-334 7 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Rational Number Knowledge Assessment and Training With a Game Competition

Kiili, K., Ojansuu, K., Lindstedt, A. & Ninaus, M., Oct 2017, *Proceedings of The 11th European Conference on Game-Based Learning ECGBL 2017.* Academic Conferences and Publishing International Limited, p. 320-327
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

The Effects of Product Line Length on Firm Performance

Kirjavainen, J., Mäkinen, S. & Sommarberg, M., 8 Oct 2018, *2018 Portland International Conference on Management of Engineering and Technology (PICMET).* IEEE, 5 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Appearance of a Drift Problem in Variable-step Perturbative MPPT Algorithms

Kivimäki, J. & Suntio, T., 2015, *31st European Photovoltaic Solar Energy Conference and Exhibition (EU PVSEC).* p. 1602-1608 7 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Coarse-grained model of protein interaction for bio-inspired nano-communication

Knyazev, S., Tarakanov, S., Kuznetsov, V., Porozov, Y., Koucheryavy, Y. & Stepanov, E., 6 Jan 2015, *2014 6th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT).* p. 260-262 3 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Testing the near field/far field model performance for prediction of particulate matter emissions in a paint factory

Koivisto, A. J., Jensen, A. C. Ø., Levin, M., Kling, K. I., Maso, M. D., Nielsen, S. H., Jensen, K. A. & Koponen, I. K., 1 Jan 2015, In : Environmental Sciences: Processes and Impacts. 17, 1, p. 62-73 12 p.
Research output: Contribution to journal › Article › 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., 2016, *Proceedings of the 17th Nordic Geotechnical Meeting Reykjavik Iceland: Challenges in Nordic Geotechnic 25th - 28th of May.* Reykjavik: Icelandic Geotechnical Society, 10 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Smart microphone sensor system platform

Kokkinis, E., Drossos, K., Atlas, N-A., Floros, A., Tsilfidis, A. & Agavanakis, K., Apr 2012, *Audio Engineering Society Convention 132.* AES Audio Engineering Society, 4 p.

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

Active corrosion phase as a service life extension of concrete facades

Köliö, A., Lahdensivu, J. & Pentti, M., 2015, *Proceedings of the Eurocorr 2015, European corrosion congress*. Austrian Society for Metallurgy and Materials (ASMET); EFC; DECHEMA

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

Raudoitteiden korroosionopeuden määrittäminen betonijulkisivussa korkean aikaresoluution säädätin avulla

Köliö, A., Hohti, H., Pakkala, T., Laukkarinen, A., Lahdensivu, J. & Mattila, J., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere.* Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 195-202 8 p. (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu; no. 4).

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

Reinforcement Corrosion Modelling in Renovation Strategy for Concrete Facades

Köliö, A., Lahdensivu, J. & Pentti, M., 2016, *Proceedings of the CIB World Building Congress 2016: Volume III - Building Up Business Operations and Their Logic. Shaping Materials and Technologies*. Tampere University of Technology. Department of Civil Engineering, p. 199-211

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

New mechanistic design approach for subgrade rutting of Low Volume Roads

Kolisoja, P., Kalliainen, A. & Vuorimies, N., 2015, *XVI ECSMGE 2015, 13-17 September 2015 - Edinburgh: Geotechnical engineering for infrastructure and development*. p. 301-306 6 p.

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

Low-cost 3D lidar for the mapping of autonomous mobile work machine

Kolu, A., Rajapolvi, K., Hyvönen, M., Multanen, P. & Huhtala, K., 2015, *Proceedings of the Fourteenth Scandinavian International Conference on Fluid Power, SICFP15. May 20-22, 2015. Tampere, Finland*. 10 p.

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

Performance comparison of selected wired and wireless networks on chip architectures

Komar, M., 3 Jun 2015, *2015 17TH Conference of Open Innovations Association (FRUCT)*. p. 68-74 7 p. (Conference of Open Innovations Association (FRUCT)).

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, M., Edelev, S. & Koucheryavy, Y., 6 Sep 2016, *Proceedings of the 18th Conference of Open Innovations Association FRUCT and Seminar on Information Security and Protection of Information Technolog, FRUCT-ISPIT 2016*. IEEE COMPUTER SOCIETY PRESS, p. 120-130 11 p.

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

The role of inorganics in modelling of biomass gasification

Konttinen, J., Kramb, J., DeMartini, N. & Gomez-Barea, A., 13 Jun 2017, *EUBCE 2017 Online Conference Proceedings*. Ek, L., Ernrooth, H., Scarlat, N., Grassi, A. & Helm, P. (eds.). ETA-Florence Renewable Energies, p. 443-447 5 p. (European biomass conference and exhibition proceedings).

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

Postmodernismi Suomen rakennusperinnössä

Koponen, O-P., 2015, In : *Arkkitehti*. 2015, 2/2015, p. 72-74 3 p.

Research output: Contribution to journal › Article › Professional

Kangasala-talo: Vanhan kulttuuripitäjän uusi kulttuuritalo

Koponen, O-P., 2015, In : *Arkkitehti*. 2015, 4/2015, p. 67-69 3 p.

Research output: Contribution to journal › Article › Professional

Tammerkoski ja Hämeenkatu Tampereen arkkitehtonisen identiteetin ankkureina

Koponen, O-P., 2015, *Tampereen tarina: Teollisuuden synnyttämä kaupunki harjujen ja järvien solmukohdassa*. Hautamäki, R. (ed.). Kaupunkiympäristön kehittäminen: Tampereen kaupunki, Vol. Julkaisuja 5/2015. p. 35-42 8 p. (Tampereen kaupunki/Kaupunkiympäristön kehittäminen; vol. 5/2015).

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

Meeting of Vernacular and Modern Architecture in Urbino: Giancarlo De Carlo and reading of the context

Koponen, O-P., 2015, *Italian Vernadoc 2015 – Amandola: Studying Italia and its architecture. The first 10 VERNADOC-years*. Mattila, M. (ed.). Helsinki: Suomen ICOMOS, kansanrakentamisen komitea, p. 26-29 4 p.

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

Improved modelling of electric loads for enabling demand response by applying physical and data-driven models: Project Response

Koponen, P., Hanninen, S., Mutanen, A., Koskela, J., Rautiainen, A., Järventausta, P., Niska, H., Kolehmainen, M. & Koivisto, H., 27 Jun 2018, *2018 IEEE International Energy Conference, ENERGYCON 2018*. IEEE, p. 1-6 6 p.

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

Increasing Employee Involvement in Socially Sustainable Manufacturing: Two Methods for Capturing Employees' Tacit Knowledge to Improve Manufacturing Processes

Kopra, M-J., Halonen, N., Järvenpää, E. & Lanz, M., 2015, *Advances in Production Management Systems: Innovative Production Management Towards Sustainable Growth: IFIP WG 5.7 International Conference, APMS 2015, Tokyo, Japan, September 7-9, 2015, Proceedings, Part II*. Springer International Publishing, p. 539-546 8 p. (IFIP Advances in Information and Communication Technology).

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

Savukaasun NOx-päästöjen epäsuora monitorointi maakaasukäyttöisissä polttolaitoksissa

Korpela, T., Kumpulainen, P., Majanne, Y. & Häyrynen, A., 2015, *Automaatio XXI seminaari*. Jämsä-Jounela, S-L. (ed.). Suomen Automaatioseura, p. 1-6 6 p. (SAS julkaisusarja; no. 44).

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

Monolithic GaInNAsSb/GaAs VECSEL emitting at 1550 nm

Korpijärvi, V-M., Kantola, E. L., Leinonen, T. & Guina, M., 2015, *SPIE conference proceedings*. SPIE, Vol. 9349. 93490D

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

Single-mode 1180 nm GaInNAs/GaAs DBR laser diode for frequency doubling to 590 nm: paper CB_11_4

Korpijärvi, V-M., Viheriälä, J., Aho, A. & Guina, M., 24 Jun 2015, *2015 European Conference on Lasers and Electro-Optics - European Quantum Electronics Conference*. OSA

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

E-learning of ethics, awareness, hacking and research by information security majors

Koskinen, J. A., 29 Jun 2015, *Proceedings of SEFI Annual Conferences*. European Society for Engineering Education SEFI, 8 p.

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, K., Scherbak, S., Chervinskii, S., Lipovskii, A. & Kauranen, M., 2018, *CLEO: QELS_Fundamental Science 2018*. OSA, 2 p. JTU2A.134

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

Perspective of Social Usability in the Change Processes of an Academic Workplace

Kostiainen, E. & Nenonen, S., 2016, *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, p. 688-701

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

Joustavat asuinympäristöt: 10 visiota aikaa kestävään kaupunkiasumiseen

Kotilainen, S. (ed.), Hedman, M. (ed.) & Heikkinen, J. (ed.), 31 Mar 2015, Tampere: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos. 268 p. (Housing Design)

Matkalla joustaviin asuinympäristöihin

Kotilainen, S., 31 Mar 2015, *Joustavat asuinympäristöt: 10 visiota aikaa kestävään kaupunkiasumiseen*. Tampere: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos, Vol. 16. p. 10-13 4 p. 1. (Housing Design; vol. 16).

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

A unified lcf-hcf model based on continuum mechanics

Kouhia, R., Holopainen, S., Ottosen, N. S., Matti, R. & Saksala, T., 2016. 4 p.

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

Menetelmä parvekelasien ääneneristävyyden mitoittamiseksi liikennemelualueilla

Kovalainen, V. & Kylliäinen, M., 22 Oct 2015, *Rakennusfysiikka 2015*. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 617-622 6 p.

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

Method of data compression for traffic monitoring

Kozhemiakina, N., Lukin, V., Ponomarenko, N., Akulynichev, A., Astola, J. & Egjazarian, K., 14 Dec 2015, *2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings*. IEEE, p. 153-156 4 p.

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

The Parallel Diode and Trap Behaviour of Ternary Polymer Solar Cells

Kraft, T., Cristoferi, C., Trigaud, T., Nunzi, J-M. & Ratier, B., Sep 2014, *EU PVSEC Proceedings*. EU PVSEC, Vol. EU PVSEC 2014. 3BV.5.23

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

Printed and organic diodes: devices, circuits and applications

Kraft, T., Berger, P. & Lupo, D., 29 Sep 2017, In : *Flexible and Printed Electronics*. 2, 3, 19 p., 033001.

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

Distributed Experiments in Design Sciences, a Next Step in Design Observation Studies?

Kriesi, C., Steinert, M., Aalto-Setälä, L., Anvik, A., Balters, S., Baracchi, A., Jensen, B. M., Bjorkli, L. E., Buzzaccaro, N., Cortesi, D., D'Onghia, F., Dosi, C., Franchini, G., Fuchs, M., Gerstenberg, A., Hansen, E., Hiekkänen, K. M., Hyde, D., Ituarte, I., Kalasniemi, J., Kurikka, J., Lanza, I., Laurila, A., Lee, T. H., Lonvik, S., Mansikka-Aho, A., Nordberg, M., Oinonen, P., Pedrelli, L., Pekuri, A., Rane, E., Reime, T., Repokari, L., Ronningen, M., Rowlands, S., Sjöman, H., Slattsveen, K., Strachan, A., Stromstad, K., Suren, S., Tapio, P., Utriainen, T., Vignoli, M., Vijaykumar, S., Welo, T. & Wulvik, A., 2015, *DS 80-2 Proceedings of the 20th International Conference on Engineering Design (ICED 15) Vol 2: Design Theory and Research Methodology Design Processes*. Weber, C., Husung, S., Cantamessa, M., Cascini, G., Marjanovic, D. & Venkataraman, S. (eds.). DESIGN SOC, 10 p. (International Conference on Engineering Design).

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

Anomaly Detection and Diagnostics of a Wheel Loader Using Dynamic Mathematical Model and Joint Probability Distributions

Krogerus, T., Hyvönen, M., Backas, J. & Huhtala, K., 2015, *Proceedings of the Fourteenth Scandinavian International Conference on Fluid Power, SICFP15. May 20-22, 2015. Tampere, Finland*. Tampere University of Technology.

Department of Intelligent Hydraulics and Automation, 14 p. (The Scandinavian International Conference on Fluid Power).

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

Handling exceptional situations in a distribution network congestion management algorithm

Kulmala, A. & Repo, S., Jun 2016, *CIREC Workshop 2016*. Helsinki, Finland

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, L., Kauhaniemi, K., Repo, S., Valkealahti, S., Honkapuro, S., Partanen, J., Koivisto-Rasmussen, R. & Järventausta, P., 2016, *CIREC Workshop 2016*. Institution of Engineering and Technology

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

Fabrication of Fluorescent Silver Nanoclusters-based Micro-Label in Polymers

Kunwar, P., Hassinen, J., Bautista, G., Ras, R. H. A. & Toivonen, J., 2015, *The European Conference on Lasers and Electro-Optics 2015*. OSA, CM_P_5. (European Conference on Lasers and Electro-Optics Europe and International Quantum Electronics Conference).

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

Importance and challenges of sharing experiences among an international and interdisciplinary group of doctoral students

Kurki, V., Sidaraviciute, R., Sörensen, J., Kibocha, S. N., Retike, I., Ikobe, G., Tichonovas, M., Elijosiute, E. & Rajala, R., 2015, In : *Ympäristöhistoria: Finnish Journal of Environmental History*. 1/2015, p. 45-51 7 p.

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

Negotiating water governance: towards cooperation in contentious groundwater recharge projects

Kurki, V., 2016, *Proceedings of the CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities*. Tampere University of Technology. Department of Civil Engineering, p. 91-102

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

Bus Transportation Accessibility - Does It Impact Housing Values?

Kurvinen, A. & Sorri, J., 2016, *Proceedings of the CIB World Building Congress 2016: Understanding impacts and functioning of different solutions*. Nenonen, S. & Junnonen, J-M. (eds.). Tampere: Tampere University of Technology. Department of Civil Engineering, Vol. IV. p. 321-331 11 p.

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., 12 Sep 2016, *Proceedings of the 44th SEFI Annual Conference 2016: 12th-15th September 2016, Tampere, Finland*. Niemi, T. & Järvinen, H-M. (eds.). Tampere: European Society for Engineering Education SEFI, 10 p.

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

Education on the utilization of secondary materials in earthworks

Kuula, P., Leppänen, M., Kolisoja, P., Korkiala-Tanttu, L., Sorvari, J. & Gustavsson, H., 6 Jun 2018, *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*. Lahtinen, P. & Raasakka, V. (eds.). RIL - Finnish Association of Civil Engineers, p. 177-187 11 p.

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, M., Björkroth, J., Kuusipalo, J. & Jääskeläinen, E., 1 Dec 2015, In : *Food Packaging and Shelf Life*. 6, p. 53-60 8 p., 67.

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

Triboelectric charging of fungal spores during resuspension and rebound

Kuuluvainen, H., Saari, S., Mensah-Attipoe, J., Pasanen, P., Reponen, T. & Keskinen, J., 2015, *EAC 2015, European Aerosol Conference, 6-11 September, 2015, Milan, Italy*.

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

Diesel engine exhaust particle measurements using a particle size magnifier (PSM)

Kuuluvainen, H., Karjalainen, P., Saukko, E., Nousiainen, P., Karhu, T., Pirjola, L., Keskinen, J. & Rönkkö, T., 2015, *EAC 2015, European Aerosol Conference, 6-11 September, 2015, Milan, Italy*.

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

Different types of non-volatile nanoparticles in off-road diesel engine exhaust

Kuuluvainen, H., Karjalainen, P., Saukko, E., Nilsson, O., Sirviö, K., Ovaska, T., Niemi, S., Keskinen, J. & Rönkkö, T., 2015, *EAC 2015, European Aerosol Conference, 6-11 September, 2015, Milan, Italy*.

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

Measurements of particulates and gas phase precursors emissions from fresh ship plumes during the Big Glenn 2014 Campaign

Kuuluvainen, H., Faxon, C., Psychoudaki, M., Thomson, E. S., Eriksson, A., Kristensson, A., Svenningsson, B., Mellqvist, J., Salo, K. & Hallquist, M., 2015, *EAC 2015, European Aerosol Conference, 6-11 September, 2015, Milan, Italy*.

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

Tampere University of Technology, laboratory of materials science, paper converting and packaging technology Tampere, Finland

Kuusipalo, J. & Lahti, J., 1 Jan 2017, *16th TAPPI European PLACE Conference 2017: Basel; Switzerland; 22 May 2017 through 24 May 2017*. TAPPI Press, Vol. May-2017. 1 p.

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

Asuinhuoneistojen betoniväliopohjien askelääneneristuksen subjektiivinen ja objektiivinen arviointi

Kylliäinen, M., Oliva, D., Rekola, L. & Hongisto, V., 1 Sep 2015, *Akustiikkapäivät 2015*. Kuopio: Akustinen seura, p. 204-207 4 p. (Akustiikkapäivät).

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

Ilmääneneristysluku sekä standardisoitu ja normalisoitu äänitasoeroluku huoneistojen välisen ilmäääneneristävyyden kuvaajina

Kylliäinen, M., Takala, J. & Hongisto, V., 1 Sep 2015, *Akustiikkapäivät 2015*. Kuopio: Akustinen seura, p. 158-161 4 p. (Akustiikkapäivät).

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

Engelin teatterin huoneakustiikan mallintaminen

Kylliäinen, M., Niemi, H., Jäppinen, J. & Lindqvist, M., 1 Sep 2015, *Akustiikkapäivät 2015*. Akustinen seura, p. 145-150 6 p. (Akustiikkapäivät).

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

Rakenteiden ääneneristyskyvystä asumismelun kokemiseen

Kylliäinen, M., 2015, *Rakentajain Kalenteri*. Helsinki: Rakennustieto Oy, p. 92-96 5 p.

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

White Knights of the Smart City

Kymäläinen, T., Sahar, F. & Palviainen, J., 2014, *Workshop Proceedings of the 10th International Conference on Intelligent Environments*. Augusto, JC. & Zhang, T. (eds.). IOS Press, p. 223-234 12 p. (Ambient Intelligence and Smart Environments; vol. 18).

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

Kohti kestäväää Skanssia

Laak, M. (ed.) & Del Barrio Batista, J. (ed.), 2014, Tampereen teknillinen yliopisto. Arkkitehtuurin laitos. 87 p.

Research output: Book/Report › Commissioned report › Professional

Towards a sustainable Skanssi

Laak, M. (ed.) & Del Barrio Batista, J. (ed.), 2014, Tampere University of Technology, School of Architecture. 87 p.

Research output: Book/Report › Commissioned report › Professional

Orimattilan Henna

Laak, M. (ed.), 2014, Tampereen teknillinen yliopisto. Arkkitehtuurin laitos. 89 p.

Research output: Book/Report › Commissioned report › Professional

The Fourteenth Scandinavian International Conference on Fluid Power, SICFP15: Proceedings

Laamanen, A. (ed.) & Huhtala, K. (ed.), 2015, Tampere University of Technology. Department of Intelligent Hydraulics and Automation. 835 p. (Scandinavian International Conference on Fluid Power (SICFP))

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

The Fourteenth Scandinavian International Conference on Fluid Power, SICFP15: Abstracts

Laamanen, A. (ed.) & Huhtala, K. (ed.), 2015, Tampere University of Technology, Department of Intelligent Hydraulics and Automation. 100 p.

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

Lahdelma & Mahlamäki Architects: Works

Lahdelma, I., 2014, Rakennustieto. 152 p.

Research output: Book/Report › Book › Professional

Nanoscale barrier coating on BOPP packaging film by ALD

Lahti, J., 2016, *TAPPI PLACE Conference 2016: Exploring New Frontiers*. TAPPI Press, p. 493-505 13 p.

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, J., Lavonen, J., Lahtinen, K., Johansson, P., Seppänen, T. & Cameron, D. C., 2016, *TAPPI International Conference on Nanotechnology for Renewable Materials 2016*. TAPPI Press, Vol. 2. p. 684-706 23 p.

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, J., Kuusipalo, J. & Auvinen, S., 1 Jan 2017, *16th TAPPI European PLACE Conference 2017*. TAPPI Press, p. 237-248 12 p.

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

Novel bio-based materials for active and intelligent packaging

Lahti, J., Kamppuri, T. & Kuusipalo, J., 1 Jan 2017, *16th TAPPI European PLACE Conference 2017*. TAPPI Press, 1 p.

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

Managing intellectual liabilities by service recovery

Laihonen, H., Sillanpää, V. & Vuolle, M., 9 Jun 2017, *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..* Schiuma, G., Spender, J.C. & Garvilova, T. (eds.). IKAM - Institute of Knowledge Asset Management, p. 1570-1583 14 p. (Proceedings IFKAD).

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

Engaging facts and feelings in management accounting practices

Laine, T., Suomala, P. & Saukkonen, N., 2015, *IFKAD 2015 : 10th International Forum on Knowledge Asset Dynamics, Bari, Italy, June 10th-12th*. Italy: Institute of Knowledge Asset Management & Arts for Business Institute, (International forum on knowledge asset dynamics).

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

Electronic Exam in Electronics Studies

Laine, K., Sipilä, E., Anderson, M. & Sydänheimo, L., 15 Sep 2016, *SEFI Annual Conference 2016: Engineering Education on Top of the World: Industry University Cooperation*. 10 p.

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

Analysis of the aircraft operational reliability research series: From statistical models to avionics data monitoring

Laitinen, J. & Niemi, A., 2015, *Proceedings of the 9th World congress on engineering asset management (WCEAM 2014), Pretoria, South Africa 28-31 Oct, 2014*. 15 p.

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

Barkhausen noise Potcore sensor simulations with Comsol

Laitinen, A., Santa-aho, S., Lukinmaa, H., Suominen, L. & Vippola, M., 24 Sep 2017, *12th International Conference on Barkhausen Noise and Micromagnetic Testing*. ICBM, p. 97-107 11 p.

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

A new method to calculate natural convection heat transfer from a non-isothermal fin array

Lampio, K. & Karvinen, R., 2015, *Proceedings of the 7th Baltic Heat Transfer Conference, August 24-26 2015, Tallinn Estonia*. Neshumayev, D. & Sunden, B. (eds.). Tallinn: Tallinn University of Technology, (Baltic Heat Transfer Conference BHTC).

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

Multi-Objective Optimization of Fin Array Heat Sinks

Lampio, K. & Karvinen, R., 21 Nov 2016, *Therminic 2016: 22nd international workshop Thermal investigations of ICs and Systems*. IEEE, 4 p.

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

Varmuuden kohdentaminen geotekniikassa, miten Eurokoodeja voisi kehittää?

Länsivaara, T., 2015, *Geotekniikan päivä 2015*. SGY

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

Recognition of shading events caused by moving clouds and determination of shadow velocity from solar radiation measurements

Lappalainen, K. & Valkealahti, S., 14 Sep 2015, *31st European Photovoltaic Solar Energy Conference and Exhibition (31st EU PVSEC), 14– 18 September, 2015, Hamburg, Germany*. p. 1568-1573 6 p.

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

Mathematical Parametrisation of Irradiance Transitions Caused by Moving Clouds for PV System Analysis

Lappalainen, K. & Valkealahti, S., 2016, *32nd European Photovoltaic Solar Energy Conference and Exhibition (32nd EU PVSEC), 20–24 June, 2016, Munich, Germany*. p. 1485-1489 5 p.

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

Microrobotic system for multi-rate measurement of bio-based fibres Z-directional bond strength

Latifi, S. K., Saketi, P. & Kallio, P., 24 May 2015, In : *Journal of Micro-Bio Robotics*. 10, 1, p. 13-26 14 p., 1.

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

Puuväli­poh­jien akustiset ominaisuudet

Latvanne, P. & Kylliäinen, M., 22 Oct 2015, *Rakennusfysiikka 2015*. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 567-572 6 p.

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

Linear and nonlinear light beam propagation in chiral nematic liquid crystal waveguides

Laudyn, U. A., Kwaśny, M., Jung, P. S., Trippenbach, M., Assanto, G. & Karpierz, M. A., 2016, In : *Photonics Letters of Poland*. 8, 1, p. 11-13 3 p.

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

Three-color vector nematicon

Laudyn, U. A., Kwaśny, M., Karpierz, M. A. & Assanto, G., 2017, In : *Photonics Letters of Poland*. 9, 2, p. 36-38 3 p.

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

Abstracting Application Development for Resource Constrained Wireless Sensor Networks

Laukkarinen, T., 4 Sep 2015, Tampere: Tampere University of Technology. 104 p. (Tampere University of Technology. Publication; vol. 1306)

Research output: Book/Report › Doctoral thesis › Collection of Articles

Lasitetun parvekkeen lämpötilan ja lämpöhäviöiden laskenta

Laukkarinen, A. & Hilliaho, K., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 181-186 6 p. (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu; no. 4).

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

Maanvastaisten seinien lämpö- ja kosteustekninen toiminta

Laukkarinen, A., Heiskanen, R. & Vinha, J., 24 Oct 2017, *Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere*. Vinha, J. & Kivioja, H. (eds.). Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, Vol. 1. p. 71-76 6 p. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Puukerrostalon työmaavaiheen lämpö- ja kosteusolosuhteiden mittaukset

Laukkarinen, A., Musakka, S., Penttilä, O., Teriö, O. & Vinha, J., 24 Oct 2017, *Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere*. Vinha, J. & Kivioja, H. (eds.). Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka, Vol. 1. p. 167-172 6 p. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Application of terrestrial LiDAR and modelling of tree branching structure for plant- scaling models in tropical forest trees

Lau Sarmiento, A., Bartholomeus, H., Herold, M., Martius, C., Malhi, Y., Patrick Bentley, L., Shenkin, A. & Raunonen, P., 2015, *Proceedings of SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems*. p. 96-98 3 p.

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

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

Ledentsov, N. N., Shchukin, V. A., Lyytikäinen, J., Okhotnikov, O., Cherkashin, N. A., Shernyakov, Y. M., Payusov, A. S., Gordeev, N. Y., Maximov, M. V., Schlichting, S., Nippert, F. & Hoffmann, A., 2015, *Proceedings of SPIE: Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XIX*. SPIE, Vol. 9383. 93830E

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

Back-calculation of the Saint-Alban A test embankment with a new modelling approach in LEM

Lehtonen, V. & Lämsävaara, T., 2016, *Proceedings of the The 17th Nordic Geotechnical Meeting, Reykjavik Iceland: 25th - 28th of May 2016*. p. 691-699 9 p.

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, K., 2016, *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, 8 p.

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

Natural Gas Engine Emission Reduction by Catalysts

Lehtoranta, K., Murtonen, T., Vesala, H., Koponen, P., Alanen, J., Simonen, P., Rönkkö, T., Timonen, H., Saarikoski, S., Maunula, T., Kallinen, K. & Korhonen, S., Jun 2017, In : *Emission Control Science and Technology*. 3, 2, p. 142-152 10 p.

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

Uusia tuulia Euroopasta

Lehtovuori, P., 2015, *Asukkaan ehdoilla: moninaisuutta asumamuotoihin*. Helsinki: Rakennustieto Oy, p. 42-59 18 p.

Research output: Chapter in Book/Report/Conference proceeding > Chapter > Professional

>8W GaInNAs VECSEL emitting at 615 nm

Leinonen, T., Penttinen, J. P., Korpjärvi, V. M., Kantola, E. & Guina, M., 2015, *Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) V*. SPIE, Vol. 9349. 934909

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

Rakennusten energiatehokkuuden parantamisen vaikutukset - Insulate-projektin tuloksia

Leivo, V., Turunen, M., Aaltonen, A., Kivistö, M., Pekkonen, M. & Haverinen-Shaughnessy, U., 2015, *Rakennusfysiikka 2015: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut, 20.-22.10.2015, Tampere*. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 369-380 12 p.

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

Air pressure difference between indoor and outdoor or staircase in multi-family buildings with exhaust ventilation system in Finland

Leivo, V., Kiviste, M., Aaltonen, A., Turunen, M. & Haverinen-Shaughnessy, U., 2015, In : *Energy Procedia*. 78C, p. 1218-1223 6 p., 78C.

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

Ventilation rates and CO₂-levels before and after energy retrofit in Finnish apartment buildings

Leivo, V., Aaltonen, A., Turunen, M., Du, L., Kiviste, M. & Haverinen-Shaughnessy, U., 2016, *CLIMA 2016 - Proceedings of the 12th REHVA World Congress. Aalborg. Aalborg University. Department of Civil Engineering. : Volume 1. Building Retrofit*. Kvols Heiselberg, P. (ed.). Aalborg: Aalborg university, Department of Civil Engineering, Vol. 1. 192 (in vol 1)

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

Muovipäälysteisten lattioiden vaurioituminen kosteuden vaikutuksesta

Leivo, V., Sarlin, E., Suonketo, J., Pikkuvirta, J. & Pentti, M., 14 Mar 2019, *Sisäilmastoseminaari 2019: 14.3.2019 : Sisäilmayhdistys raportti 37*. SIY SISÄILMATIETO OY, p. 383-388 6 p. (SIY Raportti; no. 37).

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

A dynamical quality model to continuously monitor software maintenance

Lenarduzzi, V., Stan, A. C., Taibi, D., Tosi, D. & Venters, G., 2017, *Proceedings of the 11th European Conference on Information Systems Management, ECISM 2017*. Academic Conferences and Publishing International Limited, p. 168-178 11 p.

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

Life Beyond the Binary Code: Select Prose and Poetry

Lepistö, T. (ed.), 2014, Tampere University of Technology, Language Center. 79 p.

Research output: [Book/Report](#) › [Commissioned report](#) › [Professional](#)

Simulation of ash-forming compounds in the kraft recovery boiler

Leppänen, A., Välimäki, E. & Oksanen, A., 2015, *10th European Conference on Industrial Furnaces and Boilers*. Porto, Portugal, 10 p.

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

Two patterns for minimizing human resources in a startup

Leppänen, M., 10 Apr 2014, *VikingPLoP 2014 Proceedings of the 8th Nordic Conference on Pattern Languages of Programs (VikingPLoP)*. ACM, 4

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

Improving Recovery Boiler Availability through Understanding Fume Behavior

Leppänen, A. & Välimäki, E., 2015, *TAPPI PEERS Conference Proceedings, October 25-28, 2015*. Atlanta, Georgia: TAPPI, 11 p.

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Conference contribution](#) › [Professional](#)

Liite 6: Yleistä kaivannaisjätealueista ja patoturvallisuudesta

Leppänen, M., Välisalo, T. (ed.) & Laasonen, J., 2014, *Kaivosten stressitesti 2013*. Ympäristöministeriö, (Ympäristöministeriön raportteja).

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Chapter](#) › [Professional](#)

Technical suitability of the fine fraction of municipal solid waste incineration bottom ash to the landfill capping liner

Leppänen, M., Sarkkila, J., Hämäläinen, H. & Rinkinen, J., 6 Jun 2018, *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*. Raasakka, V. & Lahtinen, P. (eds.). RIL - Finnish Association of Civil Engineers, p. 168-175

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

Evolutionary multiobjective optimization for adaptive dataflow-based digital predistortion architectures

Li, L., Ghazi, A., Boutellier, J., Anttila, L., Valkama, M. & Bhattacharyya, S. S., 23 Feb 2017, In : *EAI Endorsed Transactions on Cognitive Communications*. 17, 10, e3.

Measurements of impact force excitation on wooden floors

Lietzen, J., Miettinen, J., Kylliäinen, M. & Pajunen, S., May 2018, *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, p. 1617-1622 6 p. 272.161. (Proceedings : European Conference on Noise Control).

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

Finnish Round Robin Test on Airborne Sound Insulation

Lietzen, J. & Kylliäinen, M., May 2018, *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, p. 1677-1682 6 p. 282.162. (European Congress and Exposition on Noise Control Engineering).

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

Jossakin vuoti öljy, muualla tihkuivat tiedot - etiikka katoavien rajojen ja suurten skandaalien aikakaudella

Lilja, K., 2015, *Silmät auki It-etiikkaan*. EDUSKUNNAN TULEVAISUUSVALIOKUNTA, p. 85-101 16 p. (Eduskunnan tulevaisuusvaliokunnan julkaisu; no. 12).

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

Numerically Efficient Flow Model for On/Off Valves

Linjama, M., Siivonen, L. & Huova, M., Feb 2015, *Proceedings of the Seventh Workshop on Digital Fluid Power*. Scheidl, R., Winkler, B. & Kogler, H. (eds.). Linz, Austria: LCM GmbH, p. 164-172

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

Hydraulic Hybrid Actuator: Theoretical Aspects and Solution Alternatives

Linjama, M., Huova, M., Pietola, M., Juhala, J. & Huhtala, K., May 2015, *Proceedings of the Fourteenth Scandinavian International Conference on Fluid Power*. Laamanen, A., Huhtala, K. & Uusi-Heikkilä, J. (eds.). Tampere: Tampere University of Technology, 11 p.

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

Real-time human pose estimation with convolutional neural networks

Linna, M., Kannala, J. & Rahtu, E., 2018, *VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*. SCITEPRESS, Vol. 5. p. 335-342 8 p.

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

On service composition - dynamic formation and orchestration of service workflows

Lobov, A., 2015, *Open Knowledge-Driven Manufacturing and Logistics - The eScop Approach*. Strzelczak, S., Balda, P., Garetti, M. & Lobov, A. (eds.). Warsaw University of Technology Publishing House, p. 311-319 9 p.

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

A Survey of People Movement Analytics Studies in the Context of Smart Cities

Lohan, E-S., Kauppinen, T. & Debnath, S. B. C., 10 Nov 2016, *Proceedings of the FRUCT'19*. p. 151-158

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

Comparing two methods for Urban Complexity calculation using Shannon-Wiener index

López Baeza, J., Cerrone, D. & Männigo, K., 2017, *Comparing two methods for Urban Complexity calculation using Shannon-Wiener index*. WIT Press, p. 369-378 10 p. (WIT Transactions on Ecology and The Environment; vol. 226).

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

Kiviaines- ja luonnonkiviteollisuuden kehitysnäkymät

Loukola-Ruskeeniemi, K. (ed.), Lonka, H. (ed.), Ehrukainen, E., Gustafsson, J., Honkanen, M., Härmä, P., Jauhiainen, P., Kuula, P., Nenonen, K., Pellinen, T., Rintala, J., Selonen, O., Martikainen, M. & Aalto, M., 2015, Helsinki: Työ- ja elinkeinoministeriö. 72 p. (Työ- ja elinkeinoministeriön julkaisu; vol. 2015, no. 54)

Research output: Book/Report › Commissioned report › Professional

Electricity Distribution Network Tariffs - Present Practices, Future Challenges and Development Possibilities

Lummi, K., Rautiainen, A., Järventausta, P., Heine, P., Lehtinen, J. & Hyvärinen, M., Jun 2016, *CIGRE Workshop 2016*. 4 p.

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, S., Ukkonen, L., Sydänheimo, L. & Björninen, T., Nov 2017, *2017 IEEE Asia Pacific Microwave Conference (APMC)*. IEEE

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

Massive Open Online Research: An approach to deal with wicked problems

Machado, M., Verghese, G. & Peltola, T., 10 Oct 2014, *PICMET 14 Conference, Portland International Center for Management of Engineering and Technology: Infrastructure and Service Integration*. Portland: The Institute of Electrical and Electronics Engineers, Inc., p. 236-242 7 p. 6921178

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

Capturing knowledge from research projects: From project reports to storytelling

Machado, M. A., Magnier-Watanabe, R. & Peltola, T., Sep 2016, *2016 Portland International Conference on Management of Engineering and Technology (PICMET)*. IEEE, p. 2048-2057 10 p.

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

Systematic literature review on customer emotions in social media

Madhala, P., Jussila, J., Aramo-Immonen, H. & Suominen, A., 21 Jun 2018, *ECSSM - Proceedings of the 5th European Conference on Social Media*. Cunnane, V. & Corcoran, N. (eds.). Limerick, Ireland, 10 p.

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

Social capital in hybrid governance - Case study in a global subcontracting process

Mäenpää, S. & Breite, R., 2015, *Proceedings of the 24th Annual IPSERA Conference Preparing for new competitive challenges, March 29-April 1, Amsterdam, the Netherlands*. IPSERA

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

Knowledge integration method development for multi-stakeholder innovation

Mäenpää, S., Suominen, A. & Breite, R., 21 Jun 2016, *Proceedings of The XXVII ISPIM Conference 2016 Porto, Portugal - 19-22 June 2016 : Blending Tomorrow's Innovation Vintage*.

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, T., Valkeinen, T., Myllärmiemi, J., Hellsten, P. & Repo, S., 2017, *EDULEARN17 Proceedings. 9th International Conference on Education and New Learning Technologies: 3-5 July, 2017, Barcelona, Spain*. IATED, p. 6401-6405 5 p. (Edulearn proceedings).

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

Voimalaitosten reaaliaikainen ympäristövaikutusten monitorointi

Majanne, Y., Korpela, T., Judl, J., Koskela, S., Laukkanen, V., Häyrinen, A. & Salminen, O., 2015, *Automaatio XXI seminaari*. Jämsä-Jounela, S-L. (ed.). Suomen Automaatioseura, p. 1-6 6 p. (SAS julkaisusarja; no. 44).

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

Social capital characteristics in RD project networks

Majuri, M. & Lanz, M., 4 Oct 2018, *2018 Portland International Conference on Management of Engineering and Technology (PICMET)*. IEEE, 8481775

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

STACK assignments in university mathematics education

Mäkelä, A-M., Ali-Löyty, S., Humaloja, J-P., Joutsenlahti, J., Kauhanen, J. & Kaarakka, T., 2016, *Proceedings of the 44th SEFI Conference, 12 - 15 September 2016, Tampere, Finland*. European Society for Engineering Education SEFI, 14 p.

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, A.-J., Kontunen, A., Ryyänen, T., Verho, J., Kreutzer, J., Lekkala, J. & Kallio, P., 2016, *IEEE 11th Annual International Conference on Nano/Micro Engineered and Molecular Systems (NEMS)*. IEEE, p. 125-129 5 p.

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

Internet-of-things disrupting business ecosystems: A case in home automation

Mäkinen, S. J., 11 Mar 2015, *IEEM 2014: 2014 IEEE International Conference on Industrial Engineering and Engineering Management*. IEEE COMPUTER SOCIETY PRESS, p. 1467-1470 4 p.

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

Exploring effects of ecosystem clockspeed on product performance

Mäkinen, S. J., Dedehayir, O. & Ortt, R., 11 Mar 2015, *IEEE International Conference on Industrial Engineering and Engineering Management*. IEEE COMPUTER SOCIETY PRESS, Vol. 2015-January. p. 1457-1461 5 p. 7058880

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

Boundary Integral Operators in Linear and Second-order Nonlinear Nano-optics

Mäkitalo, J., 29 May 2015, Tampere University of Technology. 73 p. (Tampere University of Technology. Publication; vol. 1297)

Research output: Book/Report › Doctoral thesis › Collection of Articles

Examining Innovation Barriers along Innovation Process in Multi-Industry Hygiene-Technology Network.

Mäkitalo-Keinonen, T. & Aarikka-Stenroos, L., 14 Jun 2015, *The Proceedings of the XXVI ISPIM Conference 2015 Budapest, Hungary*. Denmark: International Society for Professional Innovation Management ISPIM, 15 p.

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

Printed soft-electronics for remote body monitoring

Mäntysalo, M., Vuorinen, T., Jeyhani, V. & Vehkaoja, A., Aug 2017, *Hybrid Memory Devices and Printed Circuits 2017: SPIE Organic Photonics + Electronics | 6-10 August 2017*. SPIE, 7 p. (SPIE Conference Proceedings; vol. 10366).

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

Effects of surface cracks and strain rate on the tensile behavior of Balmoral Red granite

Mardoukhi, A., Hokka, M. & Kuokkala, V.-T., Sep 2015, *11th International Conference on the Mechanical and Physical Behaviour of Materials Under Dynamic Loading*. EDP Sciences, 02007

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

An experimental and numerical study of the dynamic Brazilian disc test on Kuru granite

Mardoukhi, A., Saksala, T., Hokka, M. & Kuokkala, V.-T., 2015, *Proceedings of the XII Finnish Mechanics Day*. p. 210-215 6 p.

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

Adaptive Feedback in Local Coordinates for Real-time Vision-Based Motion Control Over Long Distances

M. Aref, M., Astola, P., Vihonen, J., Tabus, I., Ghabcheloo, R. & Mattila, J., 2018, *International Conference on Robotics and Mechatronics : (ICRoM 2017)*. IOP Publishing Ltd., Vol. 320. 6 p. 012009. (IOP conference series : materials science and engineering).

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

Sisäympäristön laadun ja terveellisuuden arviointi energiaparannuskohteissa

Mari, T., Leivo, V., Pekkonen, M., Aaltonen, A., Kivistö, M. & Haverinen-Shaughnessy, U., 16 Mar 2016, *Sisäilmastoseminaari 2016, Sisäilmayhdistys raportti 34*. SIY SISÄILMATIETO OY, p. 13-18 6 p.

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

Profitability of different li-ion batteries as back-up power in LVDC distribution network

Markkula, J., Vilppo, O., Järventausta, P., Hakala, T. & Lähdeaho, T., 2016, *CIGRE Workshop 2016*.

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

The Company Democracy Model for the Development of Intellectual Human Capitalism for Shared Value

Markopoulos, E. & Vanharanta, H., 2015, *6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015*. Elsevier, p. 603-610 8 p. (Procedia Manufacturing; vol. 3).

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

The World Innovation Stock Exchange- shared value for individuals, business and society

Markopoulos, E. & Vanharanta, H., 2015, *6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015*. Elsevier, p. 595-602 8 p. (Procedia Manufacturing; vol. 3).

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

Decision making on sustainability in product development projects

Martinsuo, M. & Arvio, I., Jun 2015, *15th Annual Conference of EURAM European Academy of Management: EURAM 2015*. Warsaw: European Academy of Management, EURAM

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

Creating sustainable value in manufacturing operations: the role of an external service provider

Martinsuo, M., Kivilä, J. & Heikkilä, J., 2015, *22nd EurOMA Conference: Operations management for sustainable competitiveness*. Switzerland: European Operations Management Association

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

Changes in operations when introducing disruptive technologies

Martinsuo, M., Ahvenniemi, O. & Vaittinen, E., 2015, *22nd EurOMA Conference: Operations management for sustainable competitiveness*. Switzerland: European Operations Management Association

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

Defining product end-of-life strategies in new product development.

Martinsuo, M., Sukanen, I. & Kivilä, J., Aug 2015, *23rd Nordic Academy of Management Conference NFF 2015- Business in society: NFF 2015*. Nordic Academy of Management, 16 p.

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

Customized service solutions for project business

Martinsuo, M. & Momeni, K., Aug 2015, *23rd Nordic Academy of Management Conference 2015*. Nordic Academy of Management, 21 p.

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

Project control toward lifecycle value at the front end of delivery projects

Martinsuo, M. & Vuorinen, L., Aug 2015, *23rd Nordic Academy of Management Conference : NFF 2015*. Nordic Academy of Management, 21 p.

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

Service orientation and innovation in the strategies of manufacturing SMEs

Martinsuo, M. & Väliäho, V., Jun 2016, *23rd Innovation and Product Development Management Conference (IPDMC): 12-14 June, 2016, Glasgow, U.K.*. EIASM, 17 p.

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, M. & Vaittinen, E., Jun 2018, *Proceedings of the 25th Innovation and Product Development Management Conference*. European Institute for Advanced Studies in Management, EIASM, 17 p. (International Product Development Management 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, M. & Laurila, F., Jun 2018, *Proceedings of the 25th Innovation and Product Development Management Conference*. European Institute for Advanced Studies in Management, EIASM, 16 p. (International Product Development Management Conference).

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

Lifecycle-oriented framing of value at the front end of infrastructure projects

Martinsuo, M., Vuorinen, L., Killen, C. & Laiti, M., Jun 2018, *Proceedings of EURAM18 European Academy of Management conference 2018*. European Academy of Management, EURAM, 36 p. (EURAM conference).

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

Actors' agency in the routines of innovation project portfolio management

Martinsuo, M. & Vuorinen, L., 26 Jun 2019, *Proceedings of the EURAM European Academy of Management Conference 2019: 26-28 June 2019, Lisbon, Portugal*. European Academy of Management, EURAM, 26 p. (EURAM conference).

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

Valtion tukemien homekorjaushankkeiden arviointi (HKPro 2)

Marttila, T., Suonketo, J., Kero, P., Annila, P. & Pentti, M., 11 Mar 2015, *Sisäilmastoseminaari 2015 SIY Raportti 33, Messukeskus, Helsinki 11.3.2015: Sisäilmastoseminaari*. Säteri, J. & Ahola, M. (eds.). Juva, Vol. Sisäilmayhdistys raportti 33. p. 101-106 6 p.

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

Onnistumistekijät valtion tukemissa homekorjaushankkeissa

Marttila, T., Suonketo, J., Kero, P. & Annila, P., 20 Oct 2015, *Rakennusfysiikka 2015: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut, 20-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, Vol. 4. p. 253-258 6 p. 152

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

HKPro3 - Valtion tukemien homekorjaushankkeiden arviointi: Jatkotutkimus

Marttila, T., Annila, P., Kero, P., Suonketo, J., Heino, S. & Pentti, M., 2015, Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennustekniikka. 68 p. (Tampereen teknillinen yliopisto. Rakennustekniikan laitos. Rakennetekniikka; Tutkimusraportti; vol. 163)

Research output: Book/Report › Commissioned report › Professional

Securing the flow of information in renovation projects: Sustainable synergies from buildings to the urban scale

Marttila, T., Annila, P., Suonketo, J., Kero, P. & Pentti, M., 2017, In : *PROCEDIA ENVIRONMENTAL SCIENCES*. 38, p. 228-233 6 p.

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

Highly-efficient Ho:KY(WO₄)₂ thin-disk lasers at 2.06 μm

Mateos, X., Loiko, P., Lamrini, S., Scholle, K., Fuhrberg, P., Suomalainen, S., Härkönen, A., Guina, M., Vatnik, S., Vedin, I., Aguiló, M., Díaz, F., Wang, Y., Griebner, U. & Petrov, V., 2018, *Pacific-Rim Laser Damage 2018: Optical Materials for High-Power Lasers*. SPIE, IEEE, 107130J. (Proceedings of SPIE; vol. 10713).

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

Advanced coatings by novel high-kinetic thermal spray processes

Matikainen, V., Koivuluoto, H., Milanti, A. & Vuoristo, P., 9 Feb 2015, In : *Materia*. 73, 1, p. 46-50 5 p.

Research output: Contribution to journal › Article › Professional

High-temperature sliding wear behaviour of thermally sprayed Cr₃C₂-based coatings

Matikainen, V., Bolelli, G., Koivuluoto, H., Sassatelli, P., Lusvarghi, L. & Vuoristo, P., 2016, *Proceedings of The 17th Nordic Symposium on Tribology - NORDTRIB 2016*. 10 p.

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

Cavitation erosion, slurry erosion and solid particle erosion performance of metal matrix composite (MMC) coatings sprayed with modern high velocity thermal spray processes

Matikainen, V., Rubio, S., Ojala, N., Koivuluoto, H., Schubert, J., Houdková, S. & Vuoristo, P., 1 Jan 2017, *Materials Science and Technology Conference and Exhibition 2017, MS and T 2017: October 8-12, 2017, Pittsburgh, Pennsylvania USA*. Association for Iron and Steel Technology, AISTECH, Vol. 2. p. 1161-1163 3 p.

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

Economical utilization of high strength steel: Welded slim floor box beams

Mela, K. & Heinisuo, M., 2014, *Eurosteel 2014 7th European conference on steel and composite structures*.

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

Suunnittelutyökalu putkiristikoiden mitoitukseen ja optimointiin

Mela, K., Alinikula, M., Tiainen, T., Heinisuo, M. & Sorsa, I., 2015, *Proceedings of the XII Finnish Mechanics Days*.

Suomen XII Mekaniikkapäivien esitelmät. Rakenteiden Mekaniikan Seura ry, p. 136-141 6 p.

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

Novel Method For Online Stereo Self-Calibration

Melin, J. & Ritala, R., 2015, *XXI IMEKO World Congress "Measurements In Research and Industry"*.

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

Evaluating the electrode measurement sensitivity of subdermal electroencephalography electrodes

Mendes, M. R., Subramaniyam, N. P. & Wendel-Mitoraj, K., 1 Jul 2015, *International IEEE/EMBS Conference on Neural Engineering, NER*. IEEE COMPUTER SOCIETY PRESS, Vol. 2015-July. p. 1092-1095 4 p.

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

1.55- μ m wavelength wafer-fused OP-VECSELs in flip-chip configuration

Mereuta, A., Nechay, K., Caliman, A., Suruceanu, G., Gallo, P., Guina, M. & Kapon, E., 2019, *Vertical External Cavity Surface Emitting Lasers (VECSELs) IX*. Keller, U. (ed.). SPIE, IEEE, 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

Inter-organizational knowledge sharing barriers within an sme network: a case study

Meriläinen, K., Vuori, V. & Helander, N., 2017, *Proceedings of the 18th European Conference on Knowledge*

Management: Barcelona, Spain, 7-8 September 2017. Reading, UK: Academic Conferences and Publishing International Limited, p. 690-697 8 p.

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

Generalized multivariable small-signal model of three-phase grid-connected inverter in DQ-domain

Messo, T., Aapro, A. & Suntio, T., 2015, *IEEE 16th Workshop on Control and Modeling for Power Electronics (COMPEL)*. IEEE

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

Real-Time Impedance-Based Stability Assessment of Grid Converter Interactions

Messo, T., Luhtala, R., Roinila, T., Yang, D., Wang, X. & Blaabjerg, F., 2017, *IEEE Workshop on Control and Modeling for Power Electronics*. 8 p.

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, T., Roinila, T., Aapro, A. & Luhtala, R., 1 Feb 2019, (Accepted/In press) In : *IEEE JOURNAL OF INDUSTRY APPLICATIONS*. 8, 3, 3.

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

Vaihdetta isommalle: Pyöräilyn potentiaalin hyödyntäminen

Metsäpuro, P., Vaismaa, K., Karhula, K., Luukkonen, T., Mäntynen, J. & Rantala, T., 2014, Tampere: Tampereen teknillinen yliopisto. Liikenteen tutkimuskeskus Verne. 145 p.

Research output: Book/Report › Commissioned report › Professional

Photometric stereo system for detailed analysis of material surfaces

Mettänen, M., Melin, J. & Ihalainen, H., 2015, *IMEKO XXI World Congress, Measurement in Research and Industry, Proceedings, August 30 - September 4, 2015, Prague, Czech Republic*. 6 p.

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, A., Ammirato, S., Raso, C., Aramo-Immonen, H. & Jussila, J., 15 Jun 2016, *Proceedings of the 11th forum on knowledge asset dynamics: Towards a new architecture of knowledge: big data, culture and creativity*. Dresden, p. 1370-1383 14 p. 182

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › 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., 2017, *Paper Conference and Trade Show, PaperCon 2017: Renew, Rethink, Redefine the Future, Minneapolis, Minnesota, USA, 23-26 April 2017*. TAPPI Press, Vol. 1. p. 220-232 13 p.

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

NB-IoT for D2D-enhanced content uploading with social trustworthiness in 5G systems

Militano, L., Orsino, A., Araniti, G. & Iera, A., 8 Jul 2017, In : *Future Internet*. 9, 3, 31.

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

Automated Tonal Balance Enhancement for Audio Mastering Applications

Mimilakis, S. . I., Drossos, K., Floros, A. & Katerelos, D., May 2013, *Audio Engineering Society Convention 134*. AES Audio Engineering Society, 7 p.

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

Comprehensive survey of similarity measures for ranked based location fingerprinting algorithm

Minaev, G., Visa, A. & Piche, R., 2017, *Indoor Positioning and Indoor Navigation (IPIN), 2017 International Conference on*. IEEE, 4 p.

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

Profile extraction and deep autoencoder feature extraction for elevator fault detection

Mishra, K., Krogerus, T. & Huhtala, K., 28 Jul 2019, *16th International Conference on Signal Processing and Multimedia Applications: SIGMAP 2019, 26-28 July, 2019, Prague, Czech Republic*. Callegari, C. (ed.). 2019 ed. Prague, Czech Republic: SCITEPRESS, Vol. 16. p. 313-320 8 p.

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

Tuning extrinsic noise effects on a small genetic circuit

Mohamed Bahrudeen, M. & S. Ribeiro, A., 4 Sep 2017, *Proceedings of ECAL 2017: 14th European Conference on Artificial Life*. Massachusetts Institute of Technology

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

Wood compression model for radial compression of earlywood and latewood

Moilanen, C., Björkqvist, T. & Saarenrinne, P., 2015, *Proceedings of the XII Finnish Mechanics Days*. Rakenteiden Mekaniikan Seura ry, p. 261-266 6 p.

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

Modelling and Simulation of Radial Spruce Compression to Optimize Energy Efficiency in Mechanical Pulping

Moilanen, C., Björkqvist, T., Ovaska, M., Koivisto, J., Miksic, A., Engberg, B., Salminen, L., Saarenrinne, P. & Alava, M., 26 Sep 2016, *2016 International Mechanical Pulping (IMPC) Conference Proceedings, Monday, September 26 - Wednesday, September 28, Jacksonville, Florida, USA*. USA: TAPPI, p. 53-70 18 p. 1.3

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

Impact analysis of graph-based requirements models using PageRank algorithm

Mokammel, F., Coatanea, E., Bakhouya, M., Christophe, F. & Nonsiri, S., Apr 2013, *2013 IEEE International Systems Conference (SysCon)*. IEEE, p. 731-736 6 p. (2013 IEEE International Systems Conference (SysCon)).

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