

Aalto T, Harjanne M, Offrein BJ, Caër C, Neumeier C, Malacarne A et al. **Integrating III-V, Si, and polymer waveguides for optical interconnects: RAPIDO**. In Optical Interconnects XVI. SPIE. 2016. 97530D. (Proceedings of SPIE). <https://doi.org/10.1117/12.2214786>

Aapro A, Messo T, Suntio T. **An accurate small-signal model of a three-phase VSI-based photovoltaic inverter with LCL-filter**. In 9th International Conference on Power Electronics and ECCE Asia (ICPE-ECCE Asia). 2015. p. 2267-2274 <https://doi.org/10.1109/ICPE.2015.7168092>

Aapro A, Messo T, Suntio T. **Effect of active damping on the output impedance of PV inverter**. In IEEE 16th Workshop on Control and Modeling for Power Electronics (COMPEL). 2015 <https://doi.org/10.1109/COMPEL.2015.7236463>

Aarikka-Stenroos L, Aaboen L, Rolfsen A. **Initiation processes and initiation contributors illustrated by Norwegian-South Korean business relationships**. In Vagn Freytag P, Højbjerg Clarke A, editors, The 31st IMP Conference 2015, Kolding, Denmark.. Kolding, Denmark. 2015

Aarikka-Stenroos L, Talvitie M. **Distributors As Market Orientation Agents in Innovation Development and Commercialization**. In The Proceedings of the XXVI ISPIM Conference 2015 Budapest, Hungary . Denmark: International Society for Professional Innovation Management ISPIM. 2015

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

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

Abdallah Z, Stefszky M, Ulvila V, Silberhorn C, Vainio M. **Frequency Comb Generation in a Continuous-Wave Pumped Second-Order Nonlinear Waveguide Resonator**. In 2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE. 2019 <https://doi.org/10.23919/CLEO.2019.8750403>

Abe S, Ylinen A, Narra Girish N, Nikander R, Hyttinen J, Kouhia R et al. **Exploration of different boundary conditions in the sideways falling situation in hip fracture finite element modelling**. In Proceeding of the XII Finnish Mechanics Days. Rakenteiden Mekaniikan Seura ry. 2015. p. 130-135

Abramova VV, Kozhemiakin R, Abramov SK, Lukin VV, Zelensky AA, Egiazarian K. **Blind estimation of speckle variance in synthetic aperture radar images**. In 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings. The Institute of Electrical and Electronics Engineers, Inc. 2015 <https://doi.org/10.1109/ICATT.2015.7136846>

Acimovic J, Mäki-Marttunen T, Linne M-L. **The effects of neuron morphology on graph theoretic measures of network connectivity: The analysis of a two-level statistical model**. Frontiers in Neuroanatomy. 2015 Jun 10;9(June). 76. <https://doi.org/10.3389/fnana.2015.00076>

Adavanne S, Parascandolo G, Pertilä P, Heittola T, Virtanen T. **Sound Event Detection in Multichannel Audio Using Spatial and Harmonic Features**. In Proceedings of the Detection and Classification of Acoustic Scenes and Events 2016 Workshop (DCASE2016). Tampere University of Technology. Department of Signal Processing. 2016. p. 6-10

Ahmad I, Rantanen P, Sillberg P, Laaksonen J, Liu S, Forss T et al. **VisualLabel: An Integrated Multimedia Content Management and Access Framework**. In The Proceedings of the 27th International Conference on Information Modelling and Knowledge Bases, EJC 2017: June 5-9, 2017, Krabi, Thailand. 2017. p. 332-353

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

Ahmed S, Mehmood A, Sydänheimo L, Ukkonen L, Björninen T. **Glove-Integrated Textile Antenna with Reduced SAR for Wearable UHF RFID Reader**. In 2019 IEEE International Conference on RFID Technology and Applications (RFID-TA). IEEE. 2019. p. 231-235 <https://doi.org/10.1109/RFID-TA.2019.8892251>

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

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

Ahopelto M, Krogerus T, Huhtala K. **Vehicle Mass Estimation for Hydraulic Drive System using Longitudinal Motion Model**. In The Fourteenth Scandinavian International Conference on Fluid Power, SICFP15. Tampere University of Technology. Department of Intelligent Hydraulics and Automation. 2015. p. 433-442. (The Fourteenth Scandinavian International Conference on Fluid Power, SICFP15).

Ainasoja AE, Hietanen A, Lankinen J, Kämäräinen J-K. **Keyframe-based video summarization with human in the loop**. In VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications . Vol. 4. SCITEPRESS. 2018. p. 287-296 <https://doi.org/10.5220/0006619202870296>

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

Airo K, Vaara L, Nenonen S. **Spatial borders and affordances of a temporary school building – Enhancing the school engagement and learning experience**. In Proceedings of the CIB World Building Congress 2016: Volume II - Environmental Opportunities and Challenges. Constructing Commitment and Acknowledging Human Experiences. Tampere University of Technology. Department of Civil Engineering. 2016. p. 715-725

Ala-Maakala M, Liimatainen H. **Customer value management framework for supply chains**. In Pawar K, editor, The proceedings of 21st international symposium on logistics (ISL 2016): Sustainable transport and supply chain innovation, Kaohsiung, Taiwan 3-6 July 2016. 2016. p. 447-456

Alanne A, Pekkola S. **Riding for a fall in outsourced ISD: Knowledge transfer challenges between the onshore vendor and the offshored unit**. In Oshri I, Kotlarsky J, Willcocks L, editors, 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. Germany: Springer Verlag. 2015. p. 124-140. (Lectures Notes in Business Information Processing). [https://doi.org/10.1007/978-3-319-26739-5\\_7](https://doi.org/10.1007/978-3-319-26739-5_7)

Alanne A, Pekkola S. **Riding for a fall in outsourced ISD: Transferring knowledge between onshore vendor and offshored unit**. In 9th Global Sourcing Workshop 2015: La Thuile, Italy, February 18-21, 2015. 2015

Alberucci A, Pannian JC, Slussarenko S, Piccirillo B, Santamato E, Marrucci L et al. **A new waveguiding mechanism based upon geometric phase**. In Frontiers in Optics 2016. Optical Society of America (OSA). 2016. FF3H.3

Alberucci A, Piccardi A, Kravets N, Buchnev O, Pannian JC, Assanto G. **Nonperturbative nonlinear optics in liquid crystals**. In Laser science 2016. Optical Society of America (OSA). 2016. JW4A.12

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

Alexandru R-C, Lohan E-S. **Comparison of Detection Techniques for Multipath Propagation of Pseudolite Signals Used in Dense Industrial Environments**. *Procedia Engineering*. 2015;100(C):1294-1300. <https://doi.org/10.1016/j.proeng.2015.01.496>

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

Allahham MHDS, Al-Sa'd MF, Al-Ali A, Mohamed A, Khattab T, Erbad A. **DroneRF dataset: A dataset of drones for RF-based detection, classification and identification**. *Data in Brief*. 2019 Oct 1;26. 104313. <https://doi.org/10.1016/j.dib.2019.104313>

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

Amiot CG, Aalto A, Toivonen J, Genty G. **Incoherent Broadband Cavity Enhanced Absorption Spectroscopy Using a Supercontinuum Source in the Mid-IR**. In *Laser Science 2015: Proceedings Frontiers in Optics 2015*. 2015. JTU4A-80 <https://doi.org/10.1364/FIO.2015.JTu4A.80>

Amiot C, Aalto A, Genty G, Toivonen J. **Incoherent Broadband Cavity Enhanced Absorption Spectroscopy with a Supercontinuum Source**. In 2015 European Conference on Lasers and Electro-Optics - European Quantum Electronics Conference: Proceedings. Optical Society of America. 2015. p. CH\_P\_16

Amiot CG, Ryzkowski P, Aalto A, Toivonen J, Genty G. **Mid-Infrared Sources for Ultra-Broadband Cavity Enhanced Spectroscopy**. In *Frontiers in Optics 2016*. OSA. 2016. FTh5A.3

Amjad F, Weick H, Mattila J, Kozlova E, Schloer C. **On Design and Development of Super-FRS main tunnel Remote Handling System Concept**. In 2014 IEEE 17th International Conference on Intelligent Transportation Systems (ITSC), 8-11 Oct. 2014, Qingdao. IEEE. 2014. p. 188-194 <https://doi.org/10.1109/ITSC.2014.6957689>

Ammirato S, Michele Felicetti A, Della Gala M, Aramo-Immonen H, Jussila J. **Knowledge Management and Emerging Collaborative Networks in Tourism Business Ecosystems**. In Massaro M, Garlatti A, editors, *Proceedings of the 16th European Conference on Knowledge Management (ECKM 2015)*, University of Udine, Italy, 3-4 September 2015. Reading, UK: Academic Conferences and Publishing International Limited. 2015. p. 19-26

Amr A, Saad M. **Growth of Urban Peripheries with Reference to Inconsistent Spatial Planning Policies: South-east Amman as case study**. *European International Journal of Science and Technology*. 2015 Mar;4(3):54-68. 3.

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

Annala P, Hellemaa M, Suonketo J, Pentti M. **Kosteus- ja mikrobivaurioiden laajuus kuntien rakennuksissa**. In Säteri J, Ahola M, editors, *Sisäilmastoseminaari 2015 SIY Raportti 33*, Messukeskus, Helsinki 11.3.2015. Juva. 2015. p. 95-100. (SIY Raportti).

Annala P, Marttila T, Kero P, Suonketo J, Pentti M. **Valtion tukemien homekorjaushankkeiden arviointi -jatkotutkimus (HKPro 3)**. In Säteri J, Ahola M, editors, *Sisäilmastoseminaari 2015 SIY Raportti 33*, Messukeskus, Helsinki 11.3.2015. Vol. Sisäilmayhdistys raportti 33. Juva. 2015. p. 107-112. (Sisäilmayhdistys).

Annala P, Lahdensivu J, Pikkuvirta J, Pakkala T. **By64 Tuulettuvat julkisivut 2016 -suunnittelu- ja toteusohjeen laadinta**. In Vinha J, Ruuska T, editors, *Rakennusfysiikka 2015*. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka. 2015. p. 109-114

Annala P, Lahdensivu J, Suonketo J, Pentti M, Laukkarinen A, Vinha J. **Kosteusvaurioiden vakavuus kuntien rakennuksissa**. In Vinha J, Kivioja H, editors, *Rakennusfysiikka 2017*. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. Vol. 1. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. 2017. p. 135-140. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Aramo-Immonen H, Bessant J, Heinonen T, Öberg C, Trifilova A. **Meeting radical change: SMEs and innovation capabilities and strategic foresight**. In 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. 2015

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

Asp O, Laaksonen A. **Instrumentation and monitoring of large-span culvert built under a railway, in Finland**. In Madaj A, Jankowiak I, editors, *Archives of Institute of Civil Engineering: 3rd European Conference on Buried Flexible Steel Structures*, Rydzyna, Poland, 24-25 April 2017. 23 ed. Vol. 2017. Poznan: Wydawnictwo Politechniki Poznanskiej. 2017. p. 53-60 <https://doi.org/10.21008/j.1897-4007.2017.23.05>

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

Backas J, Ghabcheloo R, Huhtala K. **Gain Scheduling Full State Feedback with D-Implementation for Velocity Tracking of Hydrostatic Drive Transmission**. In 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. 2015. p. 64-75

Baczkiewicz J, Pajunen S, Heinisuo M. **Effect of radiation inside square hollow section under moderate non-symmetric fire**. *Fire Research*. 2018 Jul 27;2(1):25-30. 2:42. <https://doi.org/10.4081/fire.2018.42>

Balandin S, (ed.), Andreev S, (ed.), Koucheryavy Y, (ed.). **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**. Springer International Publishing, 2015. (Lecture Notes in Computer Science). <https://doi.org/10.1007/978-3-319-23126-6>

Baldauf C, Ropo M, Blum V, Scheffler M. **How mono-valent cations bend peptide turns and a first-principles database of amino acids and dipeptides**. In Simos TE, Kalogiratou Z, Monovasilis T, editors, *International Conference of Computational Methods in Sciences and Engineering 2014 (ICCMSE 2014)*. Vol. 1618. American Institute of Physics Inc. 2014. p. 119-120. (AIP Conference Proceedings). <https://doi.org/10.1063/1.4897692>

Bambach P, Deller J, Martel J, Vilenius E, Goldberg H, Sorsa L-I et al. **What's inside a rubble pile asteroid? DiSCUS - A tomographic twin radar Cubesat to find out**. In 69th International Astronautical Congress, IAC 2018. 2018. (Proceedings of the International Astronautical Congress, IAC).

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

Bautista GS, Johansson A, Parappurath N, Herranen O, Myllyperkiö P, Jiang H et al. **Background-Free Second-Harmonic Generation Microscopy of Individual Carbon Nanotubes**. In *Nonlinear Optics 2015: Kauai, Hawaii United States 26–31 July 2015*. OSA. 2015. NW1A.5. (Nonlinear Optics Conference Series). <https://doi.org/10.1364/NLO.2015.NW1A.5>

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

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

Behailu BM, Mattila H. **Need of Services and Understanding of Service Providers in Water and Sanitation: A Case of Ethiopia**. In Nenonen S, Junnonen J-M, editors, *Proceedings of the CIB World Building Congress 2016 Volume IV: Understanding impacts and functioning of different solutions*. Tampere University of Technology. 2016. p. 431-440

Belahcen A, Kouhia R, Rasilo P, Ristinmaa M. **A model for anisotropic magnetostriction**. In *Proceedings of the XII Finnish Mechanics Days*. Rakenteiden Mekaniikan Seura ry. 2015. p. 201-203

Bernard A, Coatanea E, Christophe F, Laroche F. **Design: A Key Stage of Product Lifecycle**. *Procedia CIRP*. 2014;21:3-9. <https://doi.org/10.1016/j.procir.2014.06.146>

Bernhardt J, Helander N, Jussila J, Kärkkäinen H. **Crowdsourcing in Business-to-Business Markets: A Value Creation and Business Model Perspective**. In *Encyclopedia of E-Commerce Development, Implementation, and Management*. United States: IGI Global. 2016. p. 933-943. 66 <https://doi.org/10.4018/978-1-4666-9787-4.ch066>

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

Borja Ramis F, Iarovyi S, Lobov A, Martinez Lastra JL. **Potentials of web standards for automation control in manufacturing systems**. In *2015 IEEE European Modelling Symposium*. 2015. p. 359-366 <https://doi.org/10.1109/EMS.2015.59>

Bragadin MA, Kähkönen K. **Safety, Space and Structure Quality Requirements in Construction Scheduling**. *Procedia Economics and Finance*. 2015;21:407-414. [https://doi.org/10.1016/S2212-5671\(15\)00193-8](https://doi.org/10.1016/S2212-5671(15)00193-8)

Bragadin MA, Kähkönen K. **Resource – Space Charts for Construction Workspace Scheduling**. In *Proceedings of the CIB World Building Congress 2016: Volume III - Building Up Business Operations and Their Logic. Shaping Materials and Technologies*. Tampere University of Technology. Department of Civil Engineering. 2016. p. 677-688

Brechet N, Ginestet G, Moradi E, Ukkonen L, Torres J, Björninen T et al. **Cost- and time-effective sewing patterns for embroidered passive UHF RFID tags**. In *Proceedings of IEEE 2017 International Workshop on Antenna Technology*. IEEE. 2017. p. 30-33 <https://doi.org/10.1109/IWAT.2017.7915289>

Brobbe KJ, Haapanen J, Gunell M, Mäkelä JM, Eerola E, Saarinen JJ et al. **High-speed manufacturing of antimicrobial paper**. In *Paper Conference and Trade Show, PaperCon 2018*. TAPPI Press. 2018. p. 564-566

Burd SC, Leinonen T, Penttinen JP, Allcock DTC, Slichter DH, Srinivas R et al. **Single-frequency 571nm VECSEL for photo-ionization of magnesium.** In Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) VI. Vol. 9734. San Francisco: SPIE. 2016. 973411. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2213398>

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

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

Calders K, Disney M, Nightingale J, Origo N, Barker A, Raunonen PA et al. **Traceability of essential climate variables through forest stand reconstruction with terrestrial laser scanning.** In Proceedings of SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems. 2015. p. 122-124

Calders K, Burt A, Newnham G, Disney M, Murphy S, Raunonen P et al. **Reducing uncertainties in above-ground biomass estimates using terrestrial laser scanning.** In Proceedings of SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems. 2015. p. 197-199

Camacho-Morales R, Bautista G, Zang X, Xu L, Turquet L, Miroshnichenko A et al. **Resonant harmonic generation in AlGaAs nanoantennas using cylindrical vector beams.** In CLEO: QELS\_Fundamental Science 2018. The Optical Society; OSA. 2018. FF1E.6 [https://doi.org/10.1364/CLEO\\_QELS.2018.FF1E.6](https://doi.org/10.1364/CLEO_QELS.2018.FF1E.6)

Cardin J, Dufour C, KHOMENKOV V, Fafin A, Monnet I, Rizza G et al. **Development of New Kinds of Plasmonics Materials Through Swift Heavy Ion Shaping Technique.** In 7th International Conference on Materials for Advanced Technologies (ICMAT 2013), Jun 2013, Suntec, Singapore. Singapore. 2013

Cenev Z, Zhang H, Sariola V, Rahikkala A, Liu D, Santos HA et al. **Manipulating Superparamagnetic Microparticles with an Electromagnetic Needle.** Advanced Materials Technologies. 2017;3(1). 1700177. <https://doi.org/10.1002/admt.201700177>

Chapuis Y, Demoly F, Coatanéa E, Gomes S. **Product Upgradability: Towards a Medical Analogy.** In Grabot B, Vallespir B, Gomes S, Bouras A, Kiritsis D, editors, ADVANCES IN PRODUCTION MANAGEMENT SYSTEMS: INNOVATIVE AND KNOWLEDGE-BASED PRODUCTION MANAGEMENT IN A GLOBAL-LOCAL WORLD, APMS 2014, PT III. PART 3 ed. Vol. 440. Springer-Verlag, Berlin. 2014. p. 148-155. (IFIP Advances in Information and Communication Technology). [https://doi.org/10.1007/978-3-662-44733-8\\_19](https://doi.org/10.1007/978-3-662-44733-8_19)

Chaudhary S, Zhao Y, Berki E, Valtanen J, Li L, Helenius M et al. **Exploring Attitudes, Knowledge and Competencies for Security Technology: A Cross-Cultural Survey in Higher Education.** In 8th International Conference on ICT, Society and Human Beings 2015. 2015. p. 11-18

Chaudhary S, Zhao Y, Berki E, Valtanen J, Li L, Helenius M et al. **A Cross-Cultural and Gender-Based Perspective for Online Security: Exploring Knowledge, Skills and Attitudes of Higher Education Students.** IADIS International Journal on WWW/Internet. 2015;13(1):57-71.

Chen Z, Dehmer M, Emmert-Streib F, Shi Y. **Entropy of weighted graphs with Randić weights.** Entropy. 2015;17(6):3710-3723. <https://doi.org/10.3390/e17063710>

Chen X, He H, Ukkonen L, Virkki J, Lu Y, Lam H. **Fabrication and reliability evaluation of passive UHF RFID T-shirts.** In 2018 IEEE International Workshop on Antenna Technology, iWAT2018 - Proceedings. IEEE. 2018. p. 1-4 <https://doi.org/10.1109/IWAT.2018.8379146>

Chen X, He H, Ukkonen L, Virkki J, Xu J, Wang T et al. **Fabrication and Practical Evaluation of Glove-integrated Passive UHF RFID Tags.** In 2018 IEEE International Conference on RFID Technology Application (RFID-TA). IEEE. 2018 <https://doi.org/10.1109/RFID-TA.2018.8552814>

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

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

Christophe F, Wang M, Coatanea E, Zeng Y, Bernard A. **Grammatical and Semantic Disambiguation of Requirements at Elicitation and Representation Stages**. In Proceedings of the ASME International Design Engineering Technical Conferences and Computers and Information in Engineering, 2011, vol 9. AMER SOC MECHANICAL ENGINEERS. 2012. p. 17-31

Christophe F, Mokammel F, Coatanea E, Bakhouya M. **Integration of evaluation and simulation methods for virtual prototypes**. In Proceedings of the 15th International Conference on Engineering and Product Design Education: Design Education - Growing Our Future, EPDE 2013. 2013. p. 623-628

Chudoba M, (ed.), Rajaniemi J, (ed.), Virkkala J, (ed.). **Raitiotien seisakkeet: Yhdyskuntasuunnittelun jatkokurssi A ja B**. Tampere University of Technology, School of Architecture, 2015. 74 p.

Chudoba M. **Koteja ja kokonaistaideteoksia**. Arkkitehti. 2015;(3):76-78.

Coatanea E, Ryyänänen L, Calonijs O, Mokammel F, Riitahuhta A. **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**. Procedia Engineering. 2015;131:1165-1182. <https://doi.org/10.1016/j.proeng.2015.12.441>

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

Contreras V, Lonnqvist J, Toivonen J. **Single micro-particle scattering detection based on Edge Filter Enhanced Self-Mixing Interferometry**. In 2015 European Conference on Lasers and Electro-Optics - European Quantum Electronics Conference. Optical Society of America. 2015. p. CH\_P\_11

Dang D, Pekkola S. **Systematic Literature Review on Enterprise Architecture in the Public Sector**. In Öörni A, Iivari N, Kuutti K, Oinas-Kukkonen H, Rajanen M, editors, The 38th Information Systems Research Conference in Scandinavia (IRIS38). 2015

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

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

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

Dehghani N, Supponen A, Repo S. **Risk Assessment of Major Storm Situation in Distribution System**. In 2015 50th International Universities Power Engineering Conference (UPEC). IEEE. 2015 <https://doi.org/10.1109/UPEC.2015.7339808>

Devillers R, (ed.), Valmari A, (ed.). **Application and Theory of Petri Nets and Concurrency: 36th International Conference, PETRI NETS 2015 Brussels, Belgium, June 21-26, 2015 Proceedings**. Springer Verlag, 2015. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)).  
<https://doi.org/10.1007/978-3-319-19488-2>

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

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

D'Ignazio M, Di Buo B, Länsivaara T. **A study on the behaviour of the weathered crust in the Perniö failure test**. In Proceedings of the XVI ECSMGE 2015: 13-17 September 2015 - Edinburgh, Geotechnical Engineering for Infrastructure and Development. ICE Publishing. 2015. p. 3639-3644

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

Dongho-Nguimdo GM, Igumbor E, Zambou S, Joubert DP. **First principles prediction of the solar cell efficiency of chalcopyrite materials  $AgMX_2$  (M=In, Al; X=S, Se, Te)**. Computational Condensed Matter. 2019 Dec 1;21. e00391.  
<https://doi.org/10.1016/j.cocom.2019.e00391>

Drossos K, Kotsakis R, Pappas P, Kalliris G, Floros A. **Investigating Auditory Human-Machine Interaction: Analysis and Classification of Sounds Commonly Used by Consumer Devices**. In Audio Engineering Society Convention 134. AES Audio Engineering Society. 2013. 8812

Drossos K, Floros A, Potirakis S, Tatlas N-A, Tuna G. **A Socially-Intelligent Multi-Robot Service Team for In-Home Monitoring**. In Information, Intelligence, Systems and Applications, IISA 2014, The 5th International Conference on. IEEE. 2014. p. 159-164 <https://doi.org/10.1109/IISA.2014.6878763>

Drossos K, Floros A, Agavanakis K, Tatlas N-A, Kanellopoulos N. **Emergency Voice/Stress - level Combined Recognition for Intelligent House Applications**. In Audio Engineering Society Convention 132. AES Audio Engineering Society. 2012

Drossos K, Kotsakis R, Kalliris G, Floros A. **Sound Events and Emotions: Investigating the Relation of Rhythmic Characteristics and Arousal**. In Information, Intelligence, Systems and Applications (IISA), 2013 Fourth International Conference on. IEEE. 2013. p. 1-6 <https://doi.org/10.1109/IISA.2013.6623709>

Drossos K, Floros A, Giannakoulopoulos A. **BEADS: A dataset of Binaural Emotionally Annotated Digital Sounds**. In Information, Intelligence, Systems and Applications, IISA 2014, The 5th International Conference on. IEEE. 2014. p. 158-163 <https://doi.org/10.1109/IISA.2014.6878749>

Drossos K, Zormpas N, Giannakopoulos G, Floros A. **Accessible Games for Blind Children, Empowered by Binaural Sound**. In Proceedings of the 8th ACM International Conference on Pervasive Technologies Related to Assistive Environments. New York, NY, USA: Association for Computing Machinery (ACM). 2015. p. 5:1-5:8. (PETRA '15).  
<https://doi.org/10.1145/2769493.2769546>

Du L, Leivo V, Prasauskas T, Turunen M, Kiviste M, Martuzevicius D et al. **Energy Retrofits in Multi-family Buildings in North-east Europe: The Impacts on Thermal Conditions**. Energy Procedia. 2015 Nov;78:860-864.  
<https://doi.org/10.1016/j.egypro.2015.11.008>



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

Edelman H, (ed.), Härkönen K, (ed.). **Sustainable Design Studio 2014**. Tampere University of Technology. School of Architecture, 2015. 79 p.

Einolander J. **Evaluating organizational commitment in support of organizational leadership**. In 6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015. Elsevier. 2015. p. 668–673. (Procedia Manufacturing). <https://doi.org/10.1016/j.promfg.2015.07.300>

Einolander J, Vanharanta H. **Assessment of student retention using the Evolute approach, an overview**. In 6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015. Elsevier. 2015. p. 581–586. (Procedia Manufacturing). <https://doi.org/10.1016/j.promfg.2015.07.269>

El-Khozondar H, El-Khozondar R, Matter K, Suntio T. **A review study of photovoltaic array maximum power point tracking algorithms**. Renewables: Wind, Water, and Solar. 2016 Feb 18;3(1). <https://doi.org/10.1186/s40807-016-0022-8>

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

Ellman A, Tiainen T. **Diffusion of innovation: Case of co-design of cabins in mobile work machine industry**. Computers. 2019 Jun 1;8(2). 39. <https://doi.org/10.3390/computers8020039>

Eloranta V-P. **Patterns for controlling chaos in a startup**. In VikingPLoP 2014 Proceedings of the 8th Nordic Conference on Pattern Languages of Programs. Vol. 2014-April. Association for Computing Machinery. 2014. p. 1-8. (ACM International Conference Proceeding Series). <https://doi.org/10.1145/2676680.2676682>

Eloranta V-P, (ed.), Koskinen J, Leppänen MK. **Proceedings of VikingPLoP 2013 Conference**. Tampere University of Technology. Department of Pervasive Computing, 2013. 125 p. (Tampere University of Technology. Department of Pervasive Computing. Report).

Eloranta V-P, (ed.), Koskinen J, (ed.), Leppänen M, (ed.). **Proceedings of VikingPLoP 2012 Conference**. Tampere University of Technology. Department of Software Systems, 2012. 142 p. (Tampere University of Technology. Department of Software Systems. Report).

Eriksson S-L, Orelma H, Vuojamo V. **Generalized hyperbolic harmonic functions in the plane**. In Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2014 (ICNAAM-2014). Vol. 1648. American Institute of Physics Inc. 2015. 440007 <https://doi.org/10.1063/1.4912658>

Eriksson S-L, Haukkanen P, Hukka TI, Lemmetyinen H. **Tampereen matemaattisten aineiden aineenopettajakoulutus**. Lumat. 2015 Mar 11;3( 6):800-807.

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

Fakour-Sevom V, Guldogan E, Kämäräinen J-K. **360 panorama super-resolution using deep convolutional networks**. In VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications . Vol. 4. SCITEPRESS. 2018. p. 159-165 <https://doi.org/10.5220/0006618901590165>

- Fang CY, Vallini F, Amili AE, Tukiainen A, Lyytikäinen J, Guina M et al. **Development of efficient electrically pumped nanolasers based on InAlGaAs tunnel junction.** In CLEO: Science and Innovations, CLEO\_SI 2018. OSA - The Optical Society. 2018 [https://doi.org/10.1364/CLEO\\_SI.2018.SW4Q.4](https://doi.org/10.1364/CLEO_SI.2018.SW4Q.4)
- Fard Sanei MA, Kiilunen J, Pippola J, Lahokallio S, Frisk L. **Thermomechanical properties of overmold epoxies in MEMS packaging.** In Proceedings of the IMAPS Nordic Annual Conference , June 8-9, 2015, Helsingør, Denmark. IMAPS Nordic. 2015. p. 175-179
- Fedorik F, Malaska M. **The Effects of Initial Moisture on Damp Problems of a Timber Framed Wall Construction - a Numerical Approach.** In Kouhia R, Mäkinen J, Pajunen S, Saksala T, editors, Proceedings of the XII Finnish Mechanics Days : Finnish mechanics days . Espoo, Finland: Finnish Association for Structural Mechanics. 2015. p. 18-23
- Fedotov A, Noronen T, Rissanen J, Gumenyuk R, Petrov A, Chamorovskii Y et al. **High power picosecond MOPA with anisotropic ytterbium-doped tapered double-clad fiber.** In Taccheo S, Mackenzie JI, Ferrari M, editors, Proceedings of SPIE : Fiber Lasers and Glass Photonics: Materials through Applications. Vol. 10683. SPIE-INT SOC OPTICAL ENGINEERING. 2018. (Proceedings of SPIE). <https://doi.org/10.1117/12.2307693>
- Fedotov A, Pominova D, Orlovskaya E, Orlovskii Y, Niemi T, Gumenyuk R. **Analysis of upconversion nanoparticles as an active medium for upconversion light sources.** In Proceedings of SPIE: Optical Components and Materials XVI. Vol. 10914. S P I E - International Society for Optical Engineering. 2019. 109140R. (Proceedings of SPIE : the International Society for Optical Engineering). <https://doi.org/10.1117/12.2507599>
- Fei ZS, Gao Q, Fu Y, Isotalo T, Niemelä J. **Distributed power allocation over indoor multi-pico stations.** Journal of the Beijing Institute of Technology. 2015 Jun 1;24(2):227-232. <https://doi.org/10.15918/j.jbit1004-0579.201524.0214>
- Ferrer BR. **A Proposal of Decentralized Architecture for OKD-MES.** In Strzelczak S, Balda P, Garetti M, Lobov A, editors, Open Knowledge-Driven Manufacturing & Logistics: The eScop Approach. Warsaw: Warsaw University of Technology Publishing House. 2015. p. 331-340
- Filanovsky IM, Järvenhaara JK, Tchamov NT. **On Moderate Inversion/Saturation Regions As Approximations to "Reconciliation" Model.** In 2016 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), Vancouver, May 15-18, 2016. IEEE. 2016 <https://doi.org/10.1109/CCECE.2016.7726696>
- Filanovsky I, Tchamov N. **Maximally Flat Property and Bandwidth Enhancing by Transfer Function Zeroes IEEE-NewCAS France.** In 2017 15th IEEE International New Circuits and Systems Conference (NEWCAS). IEEE. 2017 <https://doi.org/10.1109/NEWCAS.2017.8010113>
- Filippov V, Ustimchik VE, Chamorovskiy Y, Golant K, Vorotynskii A, Okhotnikov O. **Impact of Axial Profile of the Gain Medium on the Mode Instability in Lasers: Regular Versus Tapered Fibers.** In The European Conference on Lasers and Electro-Optics 2015. OSA. 2015. CJ-10.5
- Filippov V, Chamorovskii YK, Golant KM, Vorotynskii A, Okhotnikov OG. **Optical amplifiers and lasers based on tapered fiber geometry for power and energy scaling with low signal distortion.** In Ballato J, editor, Proceedings of SPIE: Fiber Lasers XIII: Technology, Systems, and Applications. Vol. 9728. SPIE. 2016. 97280V-1. ( SPIE conference proceedings). <https://doi.org/10.1117/12.2218051>
- Filippov V, Vorotynskii A, Noronen T, Gumenyuk R, Chamorovskii Y, Golant K. **Picosecond MOPA with ytterbium doped tapered double clad fiber.** In Fiber Lasers XIV: Technology and Systems. Vol. 10083. SPIE. 2017. 100831H. (Proceedings of SPIE; 10083). <https://doi.org/10.1117/12.2252006>
- Fischer H, Laamanen A, Iso-Heiko A, Schäfer O, Karvonen M, Karhu O et al. **Digital Hydraulics on Rails – Pilot Project of Improving Reliability on Railway Rolling Stock by Utilizing Digital Valve System.** In Laamanen A, Huhtala K, editors, Proceedings of The Fourteenth Scandinavian International Conference on Fluid Power, SICFP15. 2015. p. 644-654

Fotiadi AA, Korobko DA, Okhotnikov OG, Zolotovskii IO. **Optical fiber amplifier with spectral compression elements for high-power laser pulse generation**. In Nonlinear Optics and its Applications IV. Vol. 9894. SPIE. 2016. 989411. (Proceedings of SPIE). <https://doi.org/10.1117/12.2223637>

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

Frankberg EJ. **Suomen keraaminen seura - Keramiska sällskapet i Finland**. *Materia*. 2015 Oct;5:58-58.

Frantc VA, Makov SV, Voronin VV, Marchuk VI, Semenishchev EA, Egiazarian KO et al. **Simultaneous binary hash and features learning for image retrieval**. In Mobile Multimedia/Image Processing, Security, and Applications 2016. SPIE. 2016. 986902. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2223605>

Galinina O, Turlikov A, Pyattaev A, Johnsson K, Andreev S, Koucheryavy Y. **A Capacity Bound for mmWave-based Channel Access in Ultra-Dense Wearable Deployments**. In 2015 7th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE. 2015. p. 298-304 <https://doi.org/10.1109/ICUMT.2015.7382446>

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

Garifullin MR, Barabash AV, Naumova EA, Zhuvak OV, Jokinen T, Heinisuo M. **Surrogate modeling for initial rotational stiffness of welded tubular joints**. *Magazine of Civil Engineering*. 2016;63(3):53-76. <https://doi.org/10.5862/MCE.63.4>

Garifullin M, Bronzova MK, Heinisuo M, Mela K, Pajunen S. **Cold-formed RHS T joints with initial geometrical imperfections**. *Magazine of Civil Engineering*. 2018;80(4):81-94. <https://doi.org/10.18720/MCE.80.8>

Garifullin M. **Experimental moment resistance of rectangular hollow section T joints**. *MATEC Web of Conferences*. 2018 Dec 5;245. 08003. <https://doi.org/10.1051/mateconf/201824508003>

Geng J, Li H, Liu Y, Liu Y, Kashef M, Candell R et al. **Model-based cosimulation for industrial wireless networks**. In WFCS 2018 - 2018 14th IEEE International Workshop on Factory Communication Systems. IEEE. 2018. p. 1-10 <https://doi.org/10.1109/WFCS.2018.8402343>

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

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

Gómez-Herrero G, Wu W, Rutanen K, Soriano MC, Pipa G, Vicente R. **Assessing coupling dynamics from an ensemble of time series**. *Entropy*. 2015;17(4):1958-1970. <https://doi.org/10.3390/e17041958>

Goncalves NSM, Martins L, Tran H, Oliveira SMD, Neeli-Venkata R, Fonseca J et al. **In vivo single-molecule dynamics of transcription of the viral T7 Phi 10 promoter in Escherichia coli**. In The 8th International Conference on Bioinformatics, Biocomputational Systems and Biotechnologies (BIOTECHNO2016). IARIA. 2016. p. 9-15

Gonzalez de Tanago J, Bartholomeus H, Joseph S, Herold M, Avitabile V, Goodman R et al. **Terrestrial LiDAR and 3D tree Quantitative Structure Model for quantification of aboveground biomass loss from selective logging in a tropical rainforest of Peru.** In Proceedings of SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems. 2015. p. 119-121

Grigonyte J, Sippula O, Tissari J, Laitinen A, Keskinen J, Kortelainen M et al. **A study of a condensing heat exchanger and electrostatic precipitator combination for small-scale wood combustion.** In European Aerosol Conference 2015: EAC 2015, Milan, Italy. 2015. 2COA\_P021

Gudkova I, Samouylov K, Ostrikova D, Mokrov E, Ponomarenko-Timofeev A, Andreev S et al. **Service Failure and Interruption Probability Analysis for Licensed Shared Access Regulatory Framework.** In 2015 7th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). IEEE. 2015. p. 123-131  
<https://doi.org/10.1109/ICUMT.2015.7382416>

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

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

Haapanen J. **Principles of designing for situation awareness.** Tampere: Maanpuolustuskorkeakoulu Sotatekniikan laitosp. 2015, p. 29-46. (Situational awareness for critical infrastructure protection; 1).

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

Habib M, Hussain A, Rasheed S, Ali M. **Adaptive fuzzy inference system based directional median filter for impulse noise removal.** AEU International Journal of Electronics and Communication. 2016 May 1;70(5):689-697.  
<https://doi.org/10.1016/j.aeue.2016.02.005>

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

Hackenberg J, Spiecker H, Calders K, Disney M, Raunonen P. **SimpleTree: An Efficient Open Source Tool to Build Tree Models from TLS Clouds.** Forests: Open Access Journal. 2015 Nov 23;6(11):4245-4294. <https://doi.org/10.3390/f6114245>

Hagman S. **Oppivan organisaation kehittäminen osaavaksi organisaatioksi. Tapaustutkimus suomalaisessa teollisuusyrityksessä.** Tampere University of Technology, 2015. 209 p. (Tampere University of Technology. Publication).

Hagmark P, Laitinen J. **Modeling of Age-Dependent Failure Tendency from Incomplete Data.** In Lee J, Ni J, Sarangapani J, Mathew J, editors, Engineering Asset Management 2011: Proceedings of the Sixth World Congress on Engineering Asset Management. London: Springer-Verlag London Limited. 2014. p. 449-459. (Lecture Notes in Mechanical Engineering). [https://doi.org/10.1007/978-1-4471-4993-4\\_40](https://doi.org/10.1007/978-1-4471-4993-4_40)

Hajikazemi S, Ahola T, Aaltonen K, Aarseth W, Andersen B. **Normalization of deviance in the construction industry, a managerial perspective.** In European Academy of Management Conference 2019, EURAM: 26-28 June, Lissabon, Portugal. 2019. (European academy of management annual conference).

Hakkarainen T, Tommila J, Schramm A, Simonen J, Niemi T, Strelow C et al. **Site-controlled InAs Quantum Dots for Plasmonics.** In Conference on Lasers and Electro-Optics 2016: QELS\_Fundamental Science. OSA - The Optical Society. 2016. FM1B.3 [https://doi.org/10.1364/CLEO\\_QELS.2016.FM1B.3](https://doi.org/10.1364/CLEO_QELS.2016.FM1B.3)

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

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

Halinoja M. **Environment Interpretation for Business Continuity in a Project Supplier's Networks – Critical Factors in International Industrial Upgrades**. Tampere: Tampere University of Technology, 2015. 237 p. (Tampere University of Technology. Publication).

Hannus S. **Value Creation in Private Equity: A Case Study of Outperforming Buyouts in the Nordic Countries**. Tampere University of Technology, 2015. 180 p. (Tampere University of Technology. Publication).

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

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

He H, Chen X, Ukkonen L, Virkki J. **Clothing-Integrated Passive RFID Strain Sensor Platform for Body Movement-Based Controlling**. In 2019 IEEE International Conference on RFID Technology and Applications (RFID-TA). IEEE. 2019. p. 236-239 <https://doi.org/10.1109/RFID-TA.2019.8892118>

Heikkilä J, Martinsuo M. **Lean-tuotanto ja sen johtaminen: onnistuminen, haasteet ja soveltuminen Suomen yrityksiin ja muihin organisaatioihin**. Työpoliittinen aikakauskirja. 2015;(3):18-24.

Heikkilä J, Jääskeläinen A, Thitz O. **Long-term effects of purchasing: fact or fiction?** In Proceedings of 25th IPSERA 2016 conference, 20-23.3.2016, Dortmund, Germany. . International Purchasing and Supply Education and Research Association IPSERA. 2016

Heikkinen J, Gumenyuk R, Rantamäki A, Lytikäinen J, Leinonen T, Zolotovskii I et al. **Power and wavelength scaling using semiconductor disk laser - bismuth fiber MOPA systems**. In Guina M, editor, Vertical External Cavity Surface Emitting Lasers (VECSELs) V. BELLINGHAM: SPIE. 2015. 93490E. (Proceedings of SPIE). <https://doi.org/10.1117/12.2076805>

Heinimäki TJ, Elomaa T. **Augmenting Technology Trees: Automation and Tool Support**. In Proceedings of the Seventh International Conference on Virtual Worlds and Games for Serious Applications (VS-Games 2015). IEEE. 2015. p. 68-75 <https://doi.org/10.1109/VS-GAMES.2015.7295765>

Heinisuo M, Mela K, Tiainen T, Jokinen T, Baczkiewicz J, Garifullin M. **Surrogate model for rotational stiffness of welded tubular Y-joints**. In METNET Tenth International Seminar in Budapest 13.-14.10.2015. 2015. p. 18-39. (HAMKin julkaisuja; 15).

Heinisuo M, (ed.), Mäkinen J, (ed.). **The 13th Nordic Steel Construction Conference (NSCC.2015)**. Tampere: Tampere University of Technology, 2015.

Helamaa A. **Kattavasti rivitaloista**. Arkkitehti. 2015;(3):80-81.

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

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

Helander N, Myllylä M. **Teoriaa ja kokemuksia arvioinnista MOOCien aikakaudella**. TAMPEREEN AMMATTIKORKEAKOULUN JULKAISUJA. SARJA B, RAPORTTEJA. 2016 Jul 11;70-77.

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

Helander N, Vesalainen J, Juha P. **Coopetition and company performance**. In IMP 2015 Conference. 2015

Helander N, Väyrynen H, Zhao X, Kukko M. **The development curve of knowledge management practices: a ten year perspective from top50 Finnish enterprises**. In 15th Eurasia business and economics society conference: Lisbon, Portugal, January 8-10, 2015. Springer. 2015

Heljo J, Kauppinen T. **Pystytäänkö haitallisia ilmanvaihtovikoja havaitsemaan ja poistamaan**. In Vinha J, Ruuska T, editors, Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka. 2015. p. 325-330

Heljo J, Sorri J, Harsia P. **Energiätehokkuus on entistä enemmän sähkötehon hallintaa**. In Vinha J, Kivioja H, editors, Rakennusfysiikka 2017: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. Vol. 1. Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. 2017. p. 281-286. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

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

Hilliaho K, Nordquist B, Wallentén P. **Koko Julkisivua peittävän lasijulkisivun vaikutus Etelä-Ruotsissa sijaitsevan rakennuksen energiatehokkuuteen**. In Vinha J, Ruuska T, editors, Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka. 2015. p. 509-516. (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu 4; 4).

Hilliaho K, Hietaniemi J, Visa P. **Lasitettujen parvekkeiden ja terassien käyttäytyminen tulipaloissa**. Palontorjuntatekniikka. 2015 Aug 24;(Erikoisnumero):18-23.

Hirvonen T. **Seinäjoen ydinkeskustan olennaiset kehitysvaiheet ja sen 1950 - 70-lukujen rakennusperinnön arvottamisperiaatteita**. Tampere: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos, 2015. 121 p.

Hlavatý I, Kozák J, Krejci L, Samardžić I, Tuominen J. **The effect of tungsten carbide particles content in a weld deposit on its abrasion resistance**. Technical Gazette - Technicki vjesnik. 2017 Oct;24(5):1345-1349. <https://doi.org/10.17559/TV-20160503085356>

Höjbjerg Clarke A, Rostgaard Evald M, Aarikka-Stenroos L. **Developing commercialization plans through stakeholder interaction: Patterns identified from Public-Private Innovation Projects**. In Vagn Freytag P, Höjbjerg Clarke A, editors, The 31st Annual IMP Conference and Doctoral Colloquium 2015, Kolding, Denmark.. 2015

Hokka M, Östman K, Rämö J, Kuokkala VT. **High Temperature Tension HSB Device Based on Direct Electrical Heating**. In Song B, Casem D, Kimberley J, editors, *Dynamic Behavior of Materials, Volume 1: Proceedings of the 2014 Annual Conference on Experimental and Applied Mechanics*. Vol. 65. Springer. 2015. p. 227-233. (Conference Proceedings of the Society for Experimental Mechanics Series). [https://doi.org/10.1007/978-3-319-06995-1\\_34](https://doi.org/10.1007/978-3-319-06995-1_34)

Hokka M, Mirow N, Nagel H, Vogt S, Kuokkala V-T. **DIC measurements of the human heart during cardiopulmonary bypass surgery**. In *Conference Proceedings of the Society for Experimental Mechanics Series*. Vol. 6. Springer New York LLC. 2016. p. 51-59 [https://doi.org/10.1007/978-3-319-21455-9\\_6](https://doi.org/10.1007/978-3-319-21455-9_6)

Holopainen S, Kouhia R, Könnö J, Saksala T. **Computational modelling of high-cycle fatigue using a continuum based model**. In *Proceedings of the NSCM28: 28th Nordic Seminar on Computational Mechanics, October 22 – 23, 2015, Tallinn, Estonia*. 2015. p. 71-74

Holopainen S. **Transpositions and duals high-order tensors. On theory and applications in mechanics**. In Kouhia R, editor, *Proceedings of the XII Finnish Mechanics Days: Suomen XII mekaniikkapäivien esitelmät. Rakenteiden Mekaniikan Seura ry*. 2015. p. 188-193. (Journal of Structural Mechanics).

Holopainen S. **Evolution equations based approach for modeling of fatigue in amorphous glassy polymers. On the investigation of fatigue damage development in polycarbonate**. In Papadrakakis M, Papadopoulos V, Stefanou G, Plevris V, editors, *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. 2016. p. 6675-6687 <https://doi.org/10.7712/100016.2289.11047>

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

Hongisto V, Kylliäinen M, Hyönä J. **ÄKK-hankkeen suositukset tulevaisuuden ääneneristysmääräyksiä koskien**. In *Rakennusfysiikka 2015*. Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka. 2015. p. 561-566

Hosek J, Kovac D, Uhlir D, Galinina O, Andreev S, Koucheryavy Y et al. **On Predicting Video Quality Expectations of Mobile Users**. In *2015 7th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT)*. IEEE. 2015. p. 110-115 <https://doi.org/10.1109/ICUMT.2015.7382414>

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

Ho-Van K, Sofotasios PC, Que Son V, Thanh Tra L, Hong Lien P. **Analysis of Cognitive Cooperative Networks with Best Relay Selection and Diversity Reception**. In *2015 International Conference on Advanced Technologies for Communications (ATC)*. IEEE. 2015. p. 651-656 <https://doi.org/10.1109/ATC.2015.7388412>

Huhtelin M, Nenonen S. **A Co-creation Centre for University–Industry Collaboration – A Framework for Concept Development**. *Procedia Economics and Finance*. 2015;21:137 - 145. [https://doi.org/10.1016/S2212-5671\(15\)00160-4](https://doi.org/10.1016/S2212-5671(15)00160-4)

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

Hukka JJ, Katko TS. **Resilient Asset Management and Governance Fordeteriorating Water Services Infrastructure**. *Procedia Economics and Finance*. 2015;21:112-119. [https://doi.org/10.1016/S2212-5671\(15\)00157-4](https://doi.org/10.1016/S2212-5671(15)00157-4)

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

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

Huotari P, Järvi K, Kortelainen S, Huhtamäki J. **Winner-Does-Not-Take-All: Selective Attention and Local Bias in Platform-Based Markets.** In Academy of Management Proceedings: Meeting Abstract Supplement. Academy of Management. 2015. (Academy of Management. Annual Meeting Proceedings).

Huova M, Ahopelto M, Ketonen M, Ahola V, Linjama M, Huhtala K. **Characteristics of Digital Hydraulics with Commercial Controllers.** In The Seventh Workshop on Digital Fluid Power . Linz Center of Mechatronics. 2015. p. 114-128

Huovinen P. **Theoretical 71-Concept Platform for Advancing Construction-related Business Management.** Procedia Economics and Finance. 2015;21:80-87. [https://doi.org/10.1016/S2212-5671\(15\)00153-7](https://doi.org/10.1016/S2212-5671(15)00153-7)

Huovinen P. **Leveraging concepts for environmentally sustainable business management in construction - a focused review.** In Egbu C, editor, CIB Proceedings 2015 : Going North for Sustainability: Leveraging Knowledge and Innovation for Sustainable Construction and Development. London, UK: IBEA Publications Ltd. 2015. p. 286-296

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

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

Huttunen P, Rantala J, Vinha J. **Suuren lämmöneristämättömän maanvastaisen alapohjan vaikutus rakennuksen energiankulutukseen.** In Vinha J, Kivioja H, editors, Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24-26.10.2017, Tampere. Vol. 1. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. 2017. p. 335-342. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.)

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

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

Hynynen A, (ed.), Panu A-M, (ed.), Taanila T, (ed.). **Puu-Hubi: Perinteestä uusiin innovaatioihin.** Tampereen teknillinen yliopisto. Arkkitehtuurin laitos, 2015. 107 p.

Hynynen A. **Puurakentamisesta potkua alueiden ja kaupunkien kehittämiseen.** In Hynynen A, Panu A-M, Taanila T, editors, Puu-Hubi. : Perinteestä uusiin innovaatioihin. Tampereen teknillinen yliopisto. Arkkitehtuurin laitos. 2015. p. 75-93

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



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

Hyötynen P, Mursu S, Teini J-P. **Professional knowledge, skills and competencies of the new graduates and the engineering professionals - Comparison of the importance in working-life.** In SEFI Annual Conference 2014. Brussel: European Society for Engineering Education SEFI. 2014

Hyyti J, Hofmann M, Birkholz S, Bock M, Das SK, Grunwald R et al. **Non-Instantaneous Polarization Dynamics in Resonant Dielectrics.** In 2015 European Conference on Lasers and Electro-Optics - European Quantum Electronics Conference. Washington, D.C.: Optical Society of America. 2015. EE\_5b\_2

Hyytinen T, Kivistö-Rahnasto J. **Liikuntapalveluiden ulkoistaminen ja palveluiden turvallisuus. Nykytilanne ja kuntien kokemukset – Loppuraportti.** Helsinki: OPETUS- JA KULTTUURIMINISTERIÖ, 2015. 27 p. (Opetus- ja kulttuuriministeriön julkaisuja).

Iarovy S, Xu X, Lobov A, Lastra JLM, Strzelczak S. **Architecture for Open, Knowledge-Driven Manufacturing Execution System.** In Advances in Production Management Systems: Innovative Production Management Towards Sustainable Growth. Springer. 2015. p. 519-527 [https://doi.org/10.1007/978-3-319-22759-7\\_60](https://doi.org/10.1007/978-3-319-22759-7_60)

Ikkala K, Lanz M, Kiviö J, Coatanéa E. **Energy efficiency evaluation method for machine tools.** In Flexible Automation and Intelligent Manufacturing 2015. The Choir Press. 2015. p. 58-65

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

Isotalo TJ, Niemi T. **Dots-on-the-fly electron beam lithography.** In Bencher C, editor, SPIE Proceedings: Alternative Lithographic Technologies VIII. Vol. 9777. SPIE. 2016. 97771E. (Proceedings of SPIE). <https://doi.org/10.1117/12.2219136>

Jaakkola H, Thalheim B. **Culture-Aware Web Information System Development.** In Welzer T, Hölbl M, Kiyoki Y, Thalheim B, Jaakkola H, editors, 25th International Conference on Information Modelling and Knowledge Bases EJC 2015 June 9-12, 2015, Maribor, Slovenia. Maribor: University of Maribor, Faculty of Electrical Engineering and Computer Science. 2015. p. 121-138

Jaakkola E, Aarikka-Stenroos L, Salmivalli L. **Institutionalizing a service innovation in complex networks: The case of developing and diffusing electronic prescription in Finland.** In Vagn Freytag P, Höjbjerg Clarke A, editors, The 31st Annual IMP Conference and Doctoral Colloquium 2015, Kolding, Denmark.. 2015

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

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

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

Jääskeläinen A, Heikkilä J, Thitz O. **Identifying the potential of performance measurement in supporting strategic purchasing and supply chain management.** In 8th conference on performance measurement and management control. Nice, France: The European Institute for Advanced Studies in Management, EIASM. 2015. p. 1-21. (Conference on Performance Measurement and Management Control).

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

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

Jääskeläinen A, Schiele H, Aarikka-Stenroos L. **A social capital perspective on gaining optimal solutions from suppliers as preferred customer.** In Academy of Management Proceedings. 1 ed. Vol. 2018. Academy of Management AOM. 2018. (Academy of Management Proceedings; 1). <https://doi.org/10.5465/AMBPP.2018.16278abstract>

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

Jama T, Lehtovuori P, Rajaniemi J, Siikonen M, Mäntynen J, Rantanen A et al. **Ideoita kaavoituksen sisällön uudistamiseen: Kaavojen merkintöjen ja määräysten kehittäminen (KAMMI-hanke).** Helsinki: Ympäristöministeriö, 2018. 74 p.

Jäniskangas T. **Hiekkatekonurmipintaisten pesäpallokenttien ominaisuuksien muuttuminen ja elinkaari.** Tampereen teknillinen yliopisto. Rakennustekniikan laitos, 2015. 45 p. (Tampereen teknillinen yliopisto. Rakennustekniikan laitos. Maa- ja pohjarakenteet. Tutkimusraportti).

Jarusriboonchai P, Olsson T, Prabhu V, Väänänen-Vainio-Mattila K. **CueSense: a Wearable Proximity-Aware Display Enhancing Encounters.** In CHI EA '15 Proceedings of the 33rd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems . ACM. 2015 <https://doi.org/10.1145/2702613.2732833>

Järveläinen M, Yli-Hallila T, Salpavaara T, Verho J, Vilkkö M, Levänen E. **Kolloidisten suspensioiden online -analysointi: tutkimuksesta liiketoimintaa.** Materia. 2015 Oct;(5/2015):54-57.

Järvenpää E, Lanz M. **Guidelines for Designing Human-friendly User Interfaces for Factory Floor Manufacturing Operators** . In 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. 2015. p. 531-538. (IFIP Advances in Information and Communication Technology). [https://doi.org/10.1007/978-3-319-22759-7\\_61](https://doi.org/10.1007/978-3-319-22759-7_61)

Järvinen A, Kuuluvainen H, Niemi JV, Saari S, Dal Maso M, Pirjola L et al. **Monitoring urban air quality with a diffusion charger based electrical particle sensor.** Urban Climate. 2015;14(3). <https://doi.org/10.1016/j.uclim.2014.10.002>

Järvinen ST, Saari S, Keskinen J, Toivonen J. **Detailed analysis of laser-induced breakdown spectroscopy of single particles using electrodynamic balance trapping.** In The European Conference on Lasers and Electro-Optics 2015. Optical Society of America. 2015. p. CH\_7\_5

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

Jeronen J, Kouhia R. **On the effect of damping on stability of non-conservative systems.** In Kouhia R, Mäkinen J, Pajunen S, Saksala T, editors, Proceedings of the XII Finnish Mechanics Days: Suomen XII mekaniikkapäivien esitelmät. Rakenteiden Mekaniikan Seura ry. 2015. p. 77

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

Jokipii J, Suntio T. **Dynamic characteristics of three-phase Z-source-based photovoltaic inverter with asymmetric impedance network**. In 9th International Conference on Power Electronics ECCE Asia (ICPE-ECCE Asia). IEEE. 2015. p. 1976-1983 <https://doi.org/10.1109/ICPE.2015.7168049>

Jokisalo J, Sankelo P, Sirén K, Vinha J. **Kustannusoptimaaliset energiakorjaus- ja uusiutuvan energian tuotannon ratkaisut kunnallisissa palvelurakennuksissa**. In Vinha J, Kivioja H, editors, Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. Vol. 1. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. 2017. p. 287-292

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

Junttila H, Laukkarinen A, Vinha J. **Puurunkoisten tuulettujen yläpohjien kosteustekninen toiminta**. In Vinha J, Ruuska T, editors, Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere.. Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka. 2015. p. 77-82. (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu; 4).

Jussila JJ, Kärkkäinen H, Aramo-Immonen H, Ammirato S, Michele Felicetti A, Della Gala M. **Social media applications in external B2B transactions: An empirical analysis of the Finnish technology industry**. In 10th International Forum on Knowledge Asset Dynamics: Culture, Innovation and Entrepreneurship: connecting the knowledge dots. Vol. 10. Bari. 2015. p. 1930-1940

Jussila J. **Social Media in Business-to-Business Companies' Innovation**. Tampere University of Technology, 2015. 70 p. (Tampere University of Technology. Publication).

Jussila J, Aramo-Immonen H, Rouvari O, Porkka P, Ammirato S. **Does Strategic and Innovative Fit Indicate Smart Social Media use in a Company?** In Proceedings of the 11th International Forum on Knowledge Asset Dynamics: Towards a New Architecture of Knowledge: Big Data, Culture and Creativity, Dresden -Germany 15-17 June 2016. Dresden. 2016. p. 1973-1983. 249

Jussila J, Helander N, Vuori V, Okkonen J. **Sosiaalinen media brändi- ja asiakastiedon lähteenä**. In Tuomi P, editor, TiedeAreena 2016. Vol. 11. Pori: Tampereen teknillinen yliopisto, Porin laitos. 2016. p. 55-56

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

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

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

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

Jussila J, Menon K, Gupta J, Kärkkäinen H. **Who is who in Big Social Data? A Bibliographic Network Analysis Study**. In Proceedings of the 4th European Conference on Social Media ECSM 2017. Vol. 4. Reading, UK: Academic Conferences and Publishing International Limited. 2017. p. 161-169

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

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

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

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

Juuti P. **Vesi, ongelma ennen ja nyt?** Ympäristöhistoria: Finnish Journal of Environmental History. 2017 May;2017(1):54-65.

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

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

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

Juuti P, Katko TS, Rajala R. **Vesihuollon haasteet Suomessa: – saneerausvelka ja tutkimusresurssien puute ongelma**. Vesitalous. 2019 Feb;60(1):58-61.

Juuti T, Pakkanen J, Lehtonen T. **Empirical study of good, bad and ugly modular engineering solutions in machinery manufacturing industry**. In Proceedings of the Design Society: International Conference on Engineering Design: The 22nd International Conference on Engineering Design, ICED19, Delft, The Netherlands, 5-8 August 2019. Cambridge University Press. 2019. p. 2981-2990. (Proceedings of the Design Society: International Conference on Engineering Design ). <https://doi.org/10.1017/dsi.2019.305>

Jylhä T, Vuolle M, Nenonen S, Virtaneva M. **Towards Business Potential of Workplace Services in Finland**. In 8th Nordic Conference on Construction Economics and Organization: May 28-29 2015, Tampere, Finland. Vol. 21. Elsevier. 2015. p. 518-523. (Procedia Economics and Finance). [https://doi.org/10.1016/S2212-5671\(15\)00207-5](https://doi.org/10.1016/S2212-5671(15)00207-5)

Kaaracka T. **Fractional Ornstein-Uhlenbeck Processes**. Tampere University of Technology, 2015. 102 p. (Tampere University of Technology. Publication).

Kaaracka TE, Ali-Löytty S, Huhtanen M. **Kehittämistutkimus: vuorovaikutteisten Matlab-opetusohjelmien vaikutus minäpystyvyyteen ja oppimistuloksiin yliopistomatematiikassa**. FMSEJA Journal . 2018;2(1):67-77.

Kähkönen K, (ed.), Huovinen P, (ed.), Keinänen M, (ed.). **CEO 2015: Proceedings of the 8th Nordic Conference on Construction Economics and Organization**. Tampere University of Technology. Department of Civil Engineering, 2015. 40 p. (Tampere University of Technology. Department of Civil Engineering. Construction Management and Economics. Report).

Kähkönen K, Huovinen P, Keinänen M. **Editorial**. *Procedia Economics and Finance*. 2015;21:1-5.

Kähkönen K, (ed.). **8th Nordic Conference on Construction Economics and Organization**. *Procedia Economics and Finance*. 2015;21.

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

Kähkönen K, Brandt J. **Quality evaluation on of contractor's schedule for building renovation**. In Ciribini A, Alaimo G, Capone P, Daniotti B, Dell'Osso G, Nicoletta M, editors, *Re-shaping the construction industry*. ISTeA Italian Society of Science, Technology and Engineering of Architecture; Maggioli Editore. 2017. p. 175-184

Kahle H, Penttinen JP, Phung HM, Rajala P, Tukiainen A, Ranta S et al. **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**. In Keller U, editor, *Vertical External Cavity Surface Emitting Lasers (VECSELS) IX*. SPIE, IEEE. 2019. 109010D. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2512111>

Kahle H, Phung H-M, Penttinen J-P, Rajala P, Tukiainen A, Ranta S et al. **Double-side pumped membrane external-cavity surface-emitting laser (MECSEL) with increased efficiency emitting > 3 W in the 780 nm region**. In 2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE. 2019 <https://doi.org/10.23919/CLEO.2019.8749958>

Kallonen A, Nieminen H, Das S, Sallinen R. **Comparison of food frequency questionnaire data and shopping records for the assessment of food intake**. In *Proceedings of Seventh International Conference on Well-Being in the Information Society: Fighting Inequalities (WIS 2018)*. 2018. p. 25-30. (TUCS Lecture Notes).

Kanerva M, Besharat Z, Pärnänen T, Jokinen J, Honkanen M, Sarlin E et al. **Automatization and stress analysis data of CoCr laser weld fatigue tests**. *Data in Brief*. 2019 Oct 1;26. 104374. <https://doi.org/10.1016/j.dib.2019.104374>

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

Kangas J, Poutanen J. **Underpinning Interrelated Factors of Physical, Virtual, and Social Learning Environments**. In *ICERI2018 Proceedings*. 2018. p. 8087-8096. (ICERI proceedings). <https://doi.org/10.21125/iceri.2018.0459>

Kankkunen T, Kero P. **Hometalolle suoritettavat toimenpiteet ja niiden valinta - case-esimerkki**. In Vinha J, Ruuska T, editors, *Rakennusfysiikka 2015*. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka. 2015. p. 265-270

Kantola E, Leinonen T, Ranta S, Tavast M, Penttinen J-P, Guina M. **1180nm VECSEL with 50 W output power**. In *Proceedings of SPIE - The International Society for Optical Engineering*. Vol. 9349. SPIE. 2015. 93490U <https://doi.org/10.1117/12.2079480>

Kantola E, Leinonen T, Penttinen J-P, Tavast M, Ranta S, Guina M. **50 W VECSEL emitting at 1180 nm**. In 2015 Conference on Lasers and Electro-Optics Europe - European Quantum Electronics Conference, 21.-25.6. Munich, Germany: CB\_3\_1. OSA. 2015

Kantola E, Leinonen T, Ranta S, Tavast M, Guina M. **High-efficiency yellow VECSEL with 20 W output power**. In *Optics Days 2013*, Helsinki, Finland: Oral presentation in Optics Days 2013, Helsinki, Finland. 2013

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

Kantola E, Leinonen T, Rantamäki A, Guina M, Sirbu A, Iakovlev V. **Frequency-doubled wafer-fused 638 nm VECSEL with an output power of 5.6 W.** In CLEO: Applications and Technology, CLEO\_AT 2018. OSA - The Optical Society. 2018 [https://doi.org/10.1364/CLEO\\_AT.2018.JTu2A.10](https://doi.org/10.1364/CLEO_AT.2018.JTu2A.10)

Karhu M, Lagerbom J, Kivikytö-Reponen P, Ismailov A, Levänen E. **Reaction heat utilization in aluminosilicate-based ceramics synthesis and sintering.** Journal of Ceramic Science and Technology. 2017 Mar 1;8(1):101-112. <https://doi.org/10.4416/JCST2016-00094>

Karimi N, Kunwar P, Toivonen J. **Direct Laser Writing of Fluorescent Silver Nanoclusters in Polyvinyl Alcohol Films.** In Frontiers in Optics 2015: Proceedings. 2015. FTu5E.4 <https://doi.org/10.1364/FIO.2015.FTu5E.4>

Karimi N, Alberucci A, Virkki M, Priimägi A, Kauranen M, Assanto G. **Quenching nematicon fluctuations via photo-stabilization.** Photonics Letters of Poland. 2016 Mar 31;8(1):2-4. <https://doi.org/10.4302/plp.2016.1.02>

Karioja P, Alajoki T, Cherchi M, Ollila J, Harjanne M, Heinilehto N et al. **Multi-wavelength mid-IR light source for gas sensing.** In Proc. SPIE 10110: Photonic Instrumentation Engineering IV. Vol. 10110. SPIE. 2017. 101100P. (Proceedings of SPIE). <https://doi.org/10.1117/12.2249126>

Karioja P, Alajoki T, Cherchi M, Ollila J, Harjanne M, Heinilehto N et al. **Integrated multi-wavelength mid-IR light source for gas sensing.** In Next-Generation Spectroscopic Technologies XI. SPIE, IEEE. 2018. 106570A. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2305712>

Karjalainen P. **Muuttuvat ajotilanteet aiheuttavat uudentyyppisiä ajoneuvojen hiukkaspäästöjä.** Ympäristö ja terveys. 2015 Oct 12;46(6):28-31.

Karjalainen P, Timonen H, Saukko E, Kuuluvainen H, Saarikoski S, Aakko-Saksa P et al. **Time-resolved characterization of primary and secondary particle emissions of a modern gasoline passenger car.** Atmospheric Chemistry and Physics Discussions. 2015 Nov 25;15(22):33253-33282. <https://doi.org/10.5194/acpd-15-33253-2015>

Karjalainen M, Roine A, Oksala N, Lekkala J. **Some aspects of molecular physics in measuring tissue samples using nose for disease diagnostics.** In XXI IMEKO World Congress "Measurement in Research and Industry". IMEKO-International Measurement Federation Secretariat. 2015

Kärkkäinen H, Jussila J, Erkinheimo P. **The New Era of Crowdsourcing — Industrial Crowdsourcing.** In Salmelin B, editor, Open Innovation Yearbook 2015. Brussel: European Commission. 2015. p. 25-31 <https://doi.org/10.2759/92658>

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

Kart U, Kämäräinen JK, Fan L, Gabbouj M. **Evaluation of visual object trackers on equirectangular panorama.** In VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications . Vol. 5. SCITEPRESS. 2018. p. 25-32 <https://doi.org/10.5220/0006526200250032>

Katko TS, Lukka A, Rajala R. **Tampereelta valmistuneiden vesihuoltoalan diplomi-insinöörin sijoittuminen ja odotukset yliopisto-opetukselle.** Vesitalous. 2015;(2):45-47.

Katko TS, Hukka JJ. **Social and Economic Importance of Water Services in the Built Environment: Need for More Structured Thinking.** Procedia Economics and Finance. 2015;21:217-223. [https://doi.org/10.1016/S2212-5671\(15\)00170-7](https://doi.org/10.1016/S2212-5671(15)00170-7)

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

Katko TS, Juuti P, Pietilä P, Rajala R. **Water services heritage and institutional diversity.** In Willems W, van Schaik H, editors, Water and Heritage: material, conceptual and spiritual connections. Sidestone Press. 2015

Katko TS. **Kohti tasapuolisempaa tutkimuksen arviointia: Pääkirjoitus.** Ympäristöhistoria: Finnish Journal of Environmental History. 2015;5(1):4-5.

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

Katkovnik V, Shevkunov I, Petrov NV, Egiazarian K. **Computational wavelength resolution for in-line lensless holography: Phase-coded diffraction patterns and wavefront group-sparsity.** In Digital Optical Technologies 2017. SPIE. 2017. 1033509. (Proceedings of SPIE). <https://doi.org/10.1117/12.2269327>

Katkovnik V, Shevkunov I, Petrov NV, Eguiazarian K. **Multiwavelength surface contouring from phase-coded diffraction patterns.** In Unconventional Optical Imaging 2018. Strasbourg, France. Vol. 10677. SPIE. 2018. 106771B. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2306127>

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

Kauppinen A, Kiviste M, Pirhonen J, Vinha J. **Paine-erot Pirkanmaan ja Helsingin julkisissa palvelurakennuksissa.** In Vinha J, Kivioja H, editors, Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24-26.10.2017, Tampere. Vol. 1. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. 2017. p. 215-221. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.)

Kauranen M, Czaplicki R, Mäkitalo J, Lehtolahti J, Koskinen K, Laukkanen J et al. **Enhancement mechanisms for second-harmonic generation from metal nanostructures.** In PROCEEDINGS OF SPIE: Ultrafast Phenomena and Nanophotonics XX. Vol. 9746. 2015

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

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

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

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

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

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

Kelo T, Eronen J, Rousku K. **Model for efficient development of security audit criteria**. In Proceedings of the 17th European Conference on Cyber Warfare and Security, ECCWS 2018. Curran Associates. 2018. p. 244-252

Kerminen R, Wang C, Visa A. **Analysis on bus travel time through traffic light intersection**. In ITS World Congress 2015 Proceedings: Towards Intelligent Mobility – Better Use of Space. 2015. EU-ITS-2051

Kerst T, Toivonen J. **Alpha radiation induced luminescence in solar blind spectral region**. In CLEO: Applications and Technology, CLEO\_AT 2018. OSA - The Optical Society. 2018 [https://doi.org/10.1364/CLEO\\_AT.2018.ATh4O.8](https://doi.org/10.1364/CLEO_AT.2018.ATh4O.8)

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

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

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

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

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

Khan W, Björninen T, Ukkonen L, Sydänheimo L. **Two-turns antenna and magnetic materials for effective powering of mm-size implant in wireless brain-machine interface system**. In 2015 IEEE MTT-S 2015 International Microwave Workshop Series on RF and Wireless Technologies for Biomedical and Healthcare Applications (IMWS-BIO). IEEE. 2015. p. 103-104 <https://doi.org/10.1109/IMWS-BIO.2015.7303798>

Khan MWA, Björninen T, Sydänheimo L, Ukkonen L. **Wirelessly powered implantable system for wireless long-term monitoring of intracranial pressure**. In Proceedings of IEEE 2017 International Workshop on Antenna Technology. IEEE. 2017. p. 122-124 <https://doi.org/10.1109/IWAT.2017.7915334>

Khorramdel B, Kraft TM, Mäntysalo M. **Inkjet printed metallic micropillars for bare die flip-chip bonding**. Flexible and Printed Electronics. 2017 Oct 26;2(4):045005. <https://doi.org/10.1088/2058-8585/aa9171>

Khosravi M, Kähkönen K. **Management and Planning Under Complexities of Metro Construction**. Procedia Economics and Finance. 2015;21:415-421. [https://doi.org/10.1016/S2212-5671\(15\)00194-X](https://doi.org/10.1016/S2212-5671(15)00194-X)

Kiilakoski J, Lukac F, Koivuluoto H, Vuoristo P. **Cavitation wear characteristics of Al<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub>-ceramic coatings deposited by APS and HVOF -processes**. In International Thermal Spray Conference ITSC 2017, Conference Proceedings: June 7-9, 2017, Düsseldorf, Germany.. Vol. 336. Düsseldorf: DVS Media GmbH. 2017. p. 928-933. (DVS-Berichte / DVS - Deutscher Verband für Schweißen und Verwandte Verfahren e.V.).



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

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

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

Kivimäki J, Suntio T. **Appearance of a Drift Problem in Variable-step Perturbative MPPT Algorithms.** In 31st European Photovoltaic Solar Energy Conference and Exhibition (EU PVSEC). 2015. p. 1602-1608  
<https://doi.org/10.4229/EUPVSEC20152015-5AO.9.2>

Knyazev S, Tarakanov S, Kuznetsov V, Porozov Y, Koucheryavy Y, Stepanov E. **Coarse-grained model of protein interaction for bio-inspired nano-communication.** In 2014 6th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT). 2015. p. 260-262 <https://doi.org/10.1109/ICUMT.2014.7002112>

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

Koivisto AJ, Jensen ACØ, Levin M, Kling KI, Maso MD, Nielsen SH et al. **Testing the near field/far field model performance for prediction of particulate matter emissions in a paint factory.** Environmental Sciences: Processes and Impacts. 2015 Jan 1;17(1):62-73. <https://doi.org/10.1039/c4em00532e>

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

Kokkinis E, Drossos K, Tatlas N-A, Floros A, Tsilfidis A, Agavanakis K. **Smart microphone sensor system platform.** In Audio Engineering Society Convention 132. AES Audio Engineering Society. 2012

Köliö A, Lahdensivu J, Pentti M. **Active corrosion phase as a service life extension of concrete facades.** In Proceedings of the Eurocorr 2015, European corrosion congress. Austrian Society for Metallurgy and Materials (ASMET); EFC; DECHEMA. 2015

Köliö A, Hohti H, Pakkala T, Laukkarinen A, Lahdensivu J, Mattila J. **Raudoitteiden korroosionopeuden määrittäminen betonijulkisivussa korkean aikaresoluution säädätin avulla.** In Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere.. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka. 2015. p. 195-202. (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu; 4).

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

Kolisoja P, Kalliainen A, Vuorimies N. **New mechanistic design approach for subgrade rutting of Low Volume Roads.** In XVI ECSMGE 2015, 13-17 September 2015 - Edinburgh: Geotechnical engineering for infrastructure and development. 2015. p. 301-306

Kolu A, Rajapolvi K, Hyvönen M, Multanen P, Huhtala K. **Low-cost 3D lidar for the mapping of autonomous mobile work machine.** In Proceedings of the Fourteenth Scandinavian International Conference on Fluid Power, SICFP15. May 20-22, 2015. Tampere, Finland. 2015

Komar M. **Performance comparison of selected wired and wireless networks on chip architectures.** In 2015 17TH Conference of Open Innovations Association (FRUCT). 2015. p. 68-74. (Conference of Open Innovations Association (FRUCT)). <https://doi.org/10.1109/FRUCT.2015.7117974>

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

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

Koponen O-P. **Postmodernismi Suomen rakennusperinnössä.** Arkkitehti. 2015;2015(2/2015):72-74.

Koponen O-P. **Kangasala-talo: Vanhan kulttuuripitäjän uusi kulttuuritalo.** Arkkitehti. 2015;2015(4/2015):67-69.

Koponen O-P. **Tammerkoski ja Hämeenkatu Tampereen arkkitehtonisen identiteetin ankkureina.** In Hautamäki R, editor, Tampereen tarina: Teollisuuden synnyttämä kaupunki harjujen ja järvien solmukohtassa. Vol. Julkaisuja 5/2015. Kaupunkiympäristön kehittäminen: Tampereen kaupunki. 2015. p. 35-42. (Tampereen kaupunki/Kaupunkiympäristön kehittäminen).

Koponen O-P. **Meeting of Vernacular and Modern Architecture in Urbino: Giancarlo De Carlo and reading of the context.** In Mattila M, editor, Italian Vernadoc 2015 – Amandola: Studying Italia and its architecture. The first 10 VERNADOC-years. Helsinki: Suomen ICOMOS, kansanrakentamisen komitea. 2015. p. 26-29

Koponen P, Hanninen S, Mutanen A, Koskela J, Rautiainen A, Järventausta P et al. **Improved modelling of electric loads for enabling demand response by applying physical and data-driven models: Project Response.** In 2018 IEEE International Energy Conference, ENERGYCON 2018. IEEE. 2018. p. 1-6 <https://doi.org/10.1109/ENERGYCON.2018.8398794>

Kopra M-J, Halonen N, Järvenpää E, Lanz M. **Increasing Employee Involvement in Socially Sustainable Manufacturing: Two Methods for Capturing Employees' Tacit Knowledge to Improve Manufacturing Processes.** In 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. 2015. p. 539-546. (IFIP Advances in Information and Communication Technology). [https://doi.org/10.1007/978-3-319-22759-7\\_62](https://doi.org/10.1007/978-3-319-22759-7_62)

Korpela T, Kumpulainen P, Majanne Y, Häyrynen A. **Savukaasun NOx-päästöjen epäsuora monitorointi maakaasukäyttöisissä polttolaitoksissa.** In Jämsä-Jounela S-L, editor, Automaatio XXI seminaari. Suomen Automaatioseura. 2015. p. 1-6. (SAS julkaisusarja; 44).

Korpijärvi V-M, Kantola EL, Leinonen T, Guina M. **Monolithic GaInNAsSb/GaAs VECSEL emitting at 1550 nm.** In SPIE conference proceedings. Vol. 9349. SPIE. 2015. 93490D <https://doi.org/10.1117/12.2077517>

Korpijärvi V-M, Viheriälä J, Aho A, Guina M. **Single-mode 1180 nm GaInNAs/GaAs DBR laser diode for frequency doubling to 590 nm: paper CB\_11\_4.** In 2015 European Conference on Lasers and Electro-Optics - European Quantum Electronics Conference. OSA. 2015

Koskinen JA. **E-learning of ethics, awareness, hacking and research by information security majors**. In Proceedings of SEFI Annual Conferences. European Society for Engineering Education SEFI. 2015

Koskinen K, Scherbak S, Chervinskii S, Lipovskii A, Kauranen M. **Non-resonant enhancement of second-harmonic generation from metal nanoislands coated with dielectric layers**. In CLEO: QELS\_Fundamental Science 2018. OSA. 2018. JTU2A.134 [https://doi.org/10.1364/CLEO\\_AT.2018.JTU2A.134](https://doi.org/10.1364/CLEO_AT.2018.JTU2A.134)

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

Kotilainen S, (ed.), Hedman M, (ed.), Heikkinen J, (ed.). **Joustavat asuinympäristöt: 10 visiota aikaa kestäväään kaupunkiasumiseen**. Tampere: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos, 2015. 268 p. (Housing Design).

Kotilainen S. **Matkalla joustaviin asuinympäristöihin**. In Joustavat asuinympäristöt: 10 visiota aikaa kestäväään kaupunkiasumiseen. Vol. 16. Tampere: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos. 2015. p. 10-13. 1. (Housing Design).

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

Kovalainen V, Kylliäinen M. **Menetelmä parvekelasiä ääneneristävyyden mitoittamiseksi liikennemelualueilla**. In Rakennusfysiikka 2015. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka. 2015. p. 617-622

Kozhemiakina N, Lukin V, Ponomarenko N, Akulynichev A, Astola J, Egiazarian K. **Method of data compression for traffic monitoring**. In 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings. IEEE. 2015. p. 153-156 <https://doi.org/10.1109/INFOCOMMST.2015.7357299>

Kraft T, Cristoferi C, Trigaud T, Nunzi J-M, Ratier B. **The Parallel Diode and Trap Behaviour of Ternary Polymer Solar Cells**. In EU PVSEC Proceedings. Vol. EU PVSEC 2014. EU PVSEC. 2014. 3BV.5.23

Kraft T, Berger P, Lupo D. **Printed and organic diodes: devices, circuits and applications**. Flexible and Printed Electronics. 2017 Sep 29;2(3). 033001. <https://doi.org/10.1088/2058-8585/aa8ac3>

Kriesi C, Steinert M, Aalto-Setälä L, Anvik A, Balters S, Baracchi A et al. **Distributed Experiments in Design Sciences, a Next Step in Design Observation Studies?** In Weber C, Husung S, Cantamessa M, Cascini G, Marjanovic D, Venkataraman S, editors, DS 80-2 Proceedings of the 20th International Conference on Engineering Design (ICED 15) Vol 2: Design Theory and Research Methodology Design Processes. DESIGN SOC. 2015. (International Conference on Engineering Design).

Krogerus T, Hyvönen M, Backas J, Huhtala K. **Anomaly Detection and Diagnostics of a Wheel Loader Using Dynamic Mathematical Model and Joint Probability Distributions**. In 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. 2015. (The Scandinavian International Conference on Fluid Power).

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

Kumpulainen L, Kauhaniemi K, Repo S, Valkealahti S, Honkapuro S, Partanen J et al. **Roadmap towards the vision of the future power system and electricity market**. In CIRED Workshop 2016. Institution of Engineering and Technology. 2016 <https://doi.org/10.1049/cp.2016.0690>

Kunwar P, Hassinen J, Bautista G, Ras RHA, Toivonen J. **Fabrication of Fluorescent Silver Nanoclusters-based Micro-Label in Polymers**. In The European Conference on Lasers and Electro-Optics 2015. OSA. 2015. CM\_P\_5. (European Conference on Lasers and Electro-Optics Europe and International Quantum Electronics Conference).

Kurki V, Sidaraviciute R, Sörensen J, Kibocha SN, Retike I, Ikobe G et al. **Importance and challenges of sharing experiences among an international and interdisciplinary group of doctoral students**. Ympäristöhistoria: Finnish Journal of Environmental History. 2015;(1/2015):45-51.

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

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

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

Kuula P, Leppänen M, Kolisoja P, Korkiala-Tanttu L, Sorvari J, Gustavsson H. **Education on the utilization of secondary materials in earthworks**. In Lahtinen P, Raasakka V, editors, Proceedings of the 10th International Conference on the Environmental and Technical Implications of Construction with Alternative Materials: No Gradle no Grave Circular Economy into practice. RIL - Finnish Association of Civil Engineers. 2018. p. 177-187

Kuuliala L, Pippuri T, Hultman J, Auvinen S-M, Kolppo K, Nieminen T et al. **Preparation and antimicrobial characterization of silver-containing packaging materials for meat**. Food Packaging and Shelf Life. 2015 Dec 1;6:53-60. 67. <https://doi.org/10.1016/j.fpsl.2015.09.004>

Kuuluvainen H, Saari S, Mensah-Attipoe J, Pasanen P, Reponen T, Keskinen J. **Triboelectric charging of fungal spores during resuspension and rebound**. In EAC 2015, European Aerosol Conference, 6-11 September, 2015, Milan, Italy. 2015

Kuuluvainen H, Karjalainen P, Saukko E, Nousiainen P, Karhu T, Pirjola L et al. **Diesel engine exhaust particle measurements using a particle size magnifier (PSM)**. In EAC 2015, European Aerosol Conference, 6-11 September, 2015, Milan, Italy. 2015

Kuuluvainen H, Karjalainen P, Saukko E, Nilsson O, Sirviö K, Ovaska T et al. **Different types of non-volatile nanoparticles in off-road diesel engine exhaust**. In EAC 2015, European Aerosol Conference, 6-11 September, 2015, Milan, Italy. 2015

Kuuluvainen H, Faxon C, Psichoudaki M, Thomson ES, Eriksson A, Kristensson A et al. **Measurements of particulates and gas phase precursors emissions from fresh ship plumes during the Big Glenn 2014 Campaign**. In EAC 2015, European Aerosol Conference, 6-11 September, 2015, Milan, Italy. 2015

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

Kylliäinen M, Oliva D, Rekola L, Hongisto V. **Asuinhuoneistojen betonivälipohjien askelääneneristykseen subjektiivinen ja objektiivinen arviointi**. In Akustiikkapäivät 2015. Kuopio: Akustinen seura. 2015. p. 204-207. (Akustiikkapäivät).

Kylliäinen M, Takala J, Hongisto V. **Ilmääneneristysluku sekä standardisoitu ja normalisoitu äänitasoeroluku huoneistojen välisen ilmasteneristävyyden kuvaajina**. In Akustiikkapäivät 2015. Kuopio: Akustinen seura. 2015. p. 158-161. (Akustiikkapäivät).

Kylliäinen M, Niemi H, Jäppinen J, Lindqvist M. **Engelin teatterin huoneakustiikan mallintaminen**. In Akustiikkapäivät 2015. Akustinen seura. 2015. p. 145-150. (Akustiikkapäivät).

Kylliäinen M. **Rakenteiden ääneneristyskyvystä asumismelun kokemiseen**. In Rakentajain Kalenteri. Helsinki: Rakennustieto Oy. 2015. p. 92-96

Kymäläinen T, Sahar F, Palviainen J. **White Knights of the Smart City**. In Augusto JC, Zhang T, editors, Workshop Proceedings of the 10th International Conference on Intelligent Environments. IOS Press. 2014. p. 223-234. (Ambient Intelligence and Smart Environments). <https://doi.org/10.3233/978-1-61499-411-4-223>

Laak M, (ed.), Del Barrio Batista J, (ed.). **Kohti kestäväää Skanssia**. Tampereen teknillinen yliopisto. Arkkitehtuurin laitos, 2014. 87 p.

Laak M, (ed.), Del Barrio Batista J, (ed.). **Towards a sustainable Skanssi**. Tampere University of Technology, School of Architecture, 2014. 87 p.

Laak M, (ed.). **Orimattilan Henna**. Tampereen teknillinen yliopisto. Arkkitehtuurin laitos, 2014. 89 p.

Laamanen A, (ed.), Huhtala K, (ed.). **The Fourteenth Scandinavian International Conference on Fluid Power, SICFP15: Proceedings**. Tampere University of Technology. Department of Intelligent Hydraulics and Automation, 2015. 835 p. (Scandinavian International Conference on Fluid Power (SICFP)).

Laamanen A, (ed.), Huhtala K, (ed.). **The Fourteenth Scandinavian International Conference on Fluid Power, SICFP15: Abstracts**. Tampere University of Technology, Department of Intelligent Hydraulics and Automation, 2015. 100 p.

Lahdelma I. **Lahdelma & Mahlamäki Architects: Works**. Rakennustieto, 2014. 152 p.

Lahti J. **Nanoscale barrier coating on BOPP packaging film by ALD**. In TAPPI PLACE Conference 2016: Exploring New Frontiers. TAPPI Press. 2016. p. 493-505

Lahti J, Lavonen J, Lahtinen K, Johansson P, Seppänen T, Cameron DC. **Improved properties for packaging materials by nanoscale surface modification and ALD barrier coating**. In TAPPI International Conference on Nanotechnology for Renewable Materials 2016. Vol. 2. TAPPI Press. 2016. p. 684-706

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

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

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

Laine T, Suomala P, Saukkonen N. **Engaging facts and feelings in management accounting practices**. In IFKAD 2015 : 10th International Forum on Knowledge Asset Dynamics, Bari, Italy, June 10th-12th. Italy: Institute of Knowledge Asset Management & Arts for Business Institute. 2015. (International forum on knowledge asset dynamics).

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

Laitinen J, Niemi A. **Analysis of the aircraft operational reliability research series: From statistical models to avionics data monitoring**. In Proceedings of the 9th World congress on engineering asset management (WCEAM 2014), Pretoria, South Africa 28-31 Oct, 2014. 2015

Laitinen A, Santa-aho S, Lukinmaa H, Suominen L, Vippola M. **Barkhausen noise Potcore sensor simulations with Comsol**. In 12th International Conference on Barkhausen Noise and Micromagnetic Testing. ICBM. 2017. p. 97-107

Lampio K, Karvinen R. **A new method to calculate natural convection heat transfer from a non-isothermal fin array**. In Neshumayev D, Sundén B, editors, Proceedings of the 7th Baltic Heat Transfer Conference, August 24-26 2015, Tallinn Estonia. Tallinn: Tallinn University of Technology. 2015. (Baltic Heat Transfer Conference BHTC).

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

Lämsivaara T. **Varmuuden kohdentaminen geotekniikassa, miten Eurokoodeja voisi kehittää?** In Geotekniikan päivä 2015. SGY. 2015

Lappalainen K, Valkealahti S. **Recognition of shading events caused by moving clouds and determination of shadow velocity from solar radiation measurements**. In 31st European Photovoltaic Solar Energy Conference and Exhibition (31st EU PVSEC), 14– 18 September, 2015, Hamburg, Germany . 2015. p. 1568-1573 <https://doi.org/10.4229/EUPVSEC20152015-5AO.7.5>

Lappalainen K, Valkealahti S. **Mathematical Parametrisation of Irradiance Transitions Caused by Moving Clouds for PV System Analysis**. In 32nd European Photovoltaic Solar Energy Conference and Exhibition (32nd EU PVSEC), 20–24 June, 2016, Munich, Germany . 2016. p. 1485-1489 <https://doi.org/10.4229/EUPVSEC20162016-5AO.8.4>

Latifi SK, Saketi P, Kallio P. **Microrobotic system for multi-rate measurement of bio-based fibres Z-directional bond strength**. Journal of Micro-Bio Robotics. 2015 May 24;10(1):13-26. 1. <https://doi.org/10.1007/s12213-015-0080-9>

Latvanne P, Kylliäinen M. **Puuvälipohjien akustiset ominaisuudet**. In Rakennusfysiikka 2015. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka. 2015. p. 567-572

Laudyn UA, Kwaśny M, Jung PS, Trippenbach M, Assanto G, Karpierz MA. **Linear and nonlinear light beam propagation in chiral nematic liquid crystal waveguides**. Photonics Letters of Poland. 2016;8(1):11-13. <https://doi.org/10.4302/plp.2016.1.05>

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

Laukkarinen T. **Abstracting Application Development for Resource Constrained Wireless Sensor Networks**. Tampere: Tampere University of Technology, 2015. 104 p. (Tampere University of Technology. Publication).

Laukkarinen A, Hilliaho K. **Lasitetun parvekkeen lämpötilan ja lämpöhäviöiden laskenta**. In Vinha J, Ruuska T, editors, Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka. 2015. p. 181-186. (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu; 4).

Laukkarinen A, Heiskanen R, Vinha J. **Maanvastaisten seinien lämpö- ja kosteustekninen toiminta**. In Vinha J, Kivioja H, editors, Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 24.-26.10.2017, Tampere. Vol. 1. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. 2017. p. 71-76. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.).

Laukkarinen A, Musakka S, Penttilä O, Teriö O, Vinha J. **Puukerrostalon työmaavaiheen lämpö- ja kosteusolosuhteiden mittaukset**. In Vinha J, Kivioja H, editors, Rakennusfysiikka 2017. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 24.-26.10.2017, Tampere. Vol. 1. Tampere: Tampereen teknillinen yliopisto, Rakennustekniikka, Rakennusfysiikka. 2017. p. 167-172. (Tampereen teknillinen yliopisto. Rakennustekniikka. Rakennusfysiikka.)

Lau Sarmiento A, Bartholomeus H, Herold M, Martius C, Malhi Y, Patrick Bentley L et al. **Application of terrestrial LiDAR and modelling of tree branching structure for plant- scaling models in tropical forest trees**. In Proceedings of SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems. 2015. p. 96-98

Ledentsov NN, Shchukin VA, Lyytikäinen J, Okhotnikov O, Cherkashin NA, Shernyakov YM et al. **Green (In,Ga,Al)P-GaP light-emitting diodes grown on high-index GaAs surfaces**. In Proceedings of SPIE: Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XIX. Vol. 9383. SPIE. 2015. 93830E <https://doi.org/10.1117/12.2083953>

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

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

Lehtoranta K, Murtonen T, Vesala H, Koponen P, Alanen J, Simonen P et al. **Natural Gas Engine Emission Reduction by Catalysts**. Emission Control Science and Technology. 2017 Jun;3(2):142-152. <https://doi.org/10.1007/s40825-016-0057-8>

Lehtovuori P. **Uusia tuulia Euroopasta**. In Asukkaan ehdoilla: moninaisuutta asumamuotoihin. Helsinki: Rakennustieto Oy. 2015. p. 42-59

Leinonen T, Penttinen JP, Korpjärvi VM, Kantola E, Guina M. **>8W GaInNAs VECSEL emitting at 615 nm**. In Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) V. Vol. 9349. SPIE. 2015. 934909 <https://doi.org/10.1117/12.2079162>

Leivo V, Turunen M, Aaltonen A, Kiviste M, Pekkonen M, Haverinen-Shaughnessy U. **Rakennusten energiatehokkuuden parantamisen vaikutukset - Insulate-projektin tuloksia**. In Rakennusfysiikka 2015: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut, 20.-22-10.2015, Tampere. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka. 2015. p. 369-380

Leivo V, Kiviste M, Aaltonen A, Turunen M, Haverinen-Shaughnessy U. **Air pressure difference between indoor and outdoor or staircase in multi-family buildings with exhaust ventilation system in Finland**. Energy Procedia. 2015;78C:1218-1223. 78C. <https://doi.org/10.1016/j.egypro.2015.11.188>

Leivo V, Aaltonen A, Turunen M, Du L, Kiviste M, Haverinen-Shaughnessy U. **Ventilation rates and CO2-levels before and after energy retrofit in Finnish apartment buildings**. In Kvols Heiselberg P, editor, CLIMA 2016 - Proceedings of the 12th REHVA World Congress. Aalborg. Aalborg University. Department of Civil Engineering. : Volume 1. Building Retrofit. Vol. 1. Aalborg: Aalborg university, Department of Civil Engineering. 2016. 192 (in vol 1)

Leivo V, Sarlin E, Suonketo J, Pikkuvirta J, Pentti M. **Muovipäällysteisten lattioiden vaurioituminen kosteuden vaikutuksesta**. In Sisäilmastoseminaari 2019: 14.3.2019 : Sisäilmayhdistys raportti 37. SIY SISÄILMATIETO OY. 2019. p. 383-388. (SIY Raportti; 37).

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

Lepistö T, (ed.). **Life Beyond the Binary Code: Select Prose and Poetry**. Tampere University of Technology, Language Center, 2014. 79 p.

Leppänen A, Välimäki E, Oksanen A. **Simulation of ash-forming compounds in the kraft recovery boiler**. In 10th European Conference on Industrial Furnaces and Boilers. Porto, Portugal. 2015

Leppänen M. **Two patterns for minimizing human resources in a startup**. In VikingPloP 2014 Proceedings of the 8th Nordic Conference on Pattern Languages of Programs (VikingPloP) . ACM. 2014. 4  
<https://doi.org/10.1145/2676680.2676686>

Leppänen A, Välimäki E. **Improving Recovery Boiler Availability through Understanding Fume Behavior**. In TAPPI PEERS Conference Proceedings, October 25-28, 2015. Atlanta, Georgia: TAPPI. 2015

Leppänen M, Välisalo T, (ed.), Laasonen J. **Liite 6: Yleistä kaivannaisjätealueista ja patoturvallisuudesta**. In Kaivosten stressitestit 2013. Ympäristöministeriö. 2014. (Ympäristöministeriön raportteja).

Leppänen M, Sarkkila J, Hämäläinen H, Rinkinen J. **Technical suitability of the fine fraction of municipal solid waste incineration bottom ash to the landfill capping liner**. In Raasakka V, Lahtinen P, editors, Proceedings of the 10th International Conference on the Environmental and Technical Implications of Construction with Alternative Materials WASCON 2018: No Gradle, No Grave - Circular Economy into Practice. RIL - Finnish Association of Civil Engineers. 2018. p. 168-175

Li L, Ghazi A, Boutellier J, Anttila L, Valkama M, Bhattacharyya SS. **Evolutionary multiobjective optimization for adaptive dataflow-based digital predistortion architectures**. EAI Endorsed Transactions on Cognitive Communications. 2017 Feb 23;17(10). e3. <https://doi.org/10.4108/eai.23-2-2017.152187>

Lietzen J, Miettinen J, Kylliäinen M, Pajunen S. **Measurements of impact force excitation on wooden floors**. In Proceedings of the 11th European Congress and Exposition on Noise Control Engineering, Euronoise 2018, May 27-31 2018, Hersonissos, Crete, Greece: Reduce Noise to Improve Life, Crete, May 27-31, 2018. Hersonissos, Crete, Greece: European Acoustic Association EAA. 2018. p. 1617-1622. 272.161. (Proceedings : European Conference on Noise Control).

Lietzen J, Kylliäinen M. **Finnish Round Robin Test on Airborne Sound Insulation**. In Proceedings of the 11th European Congress and Exposition on Noise Control Engineering, Euronoise 2018, May 27-31 2018, Hersonissos, Crete, Greece: Reduce Noise to Improve Life. Hersonissos, Crete, Greece: European Acoustic Association EAA. 2018. p. 1677-1682. 282.162. (European Congress and Exposition on Noise Control Engineering).

Lilja K. **Jossakin vuoti öljy, muualla tiheivät tiedot - etiikka katoavien rajojen ja suurten skandaalien aikakaudella**. In Silmät auki It-etiikkaan. EDUSKUNNAN TULEVAISUUSVALIOKUNTA. 2015. p. 85-101. (Eduskunnan tulevaisuusvaliokunnan julkaisu; 12).

Linjama M, Siivonen L, Huova M. **Numerically Efficient Flow Model for On/Off Valves**. In Scheidl R, Winkler B, Kogler H, editors, Proceedings of the Seventh Workshop on Digital Fluid Power. Linz, Austria: LCM GmbH. 2015. p. 164-172

Linjama M, Huova M, Pietola M, Juhala J, Huhtala K. **Hydraulic Hybrid Actuator: Theoretical Aspects and Solution Alternatives**. In Laamanen A, Huhtala K, Uusi-Heikkilä J, editors, Proceedings of the Fourteenth Scandinavian International Conference on Fluid Power. Tampere: Tampere University of Technology. 2015

Linna M, Kannala J, Rahtu E. **Real-time human pose estimation with convolutional neural networks**. In VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications. Vol. 5. SCITEPRESS. 2018. p. 335-342 <https://doi.org/10.5220/0006624403350342>



Lobov A. **On service composition - dynamic formation and orchestration of service workflows**. In Strzelczak S, Balda P, Garetti M, Lobov A, editors, *Open Knowledge-Driven Manufacturing and Logistics - The eScop Approach*. Warsaw University of Technology Publishing House. 2015. p. 311-319

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

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

Loukola-Ruskeeniemi K, (ed.), Lonka H, (ed.), Ehrukainen E, Gustafsson J, Honkanen M, Härmä P et al. **Kiviaines- ja luonnonkiviteollisuuden kehitysnäkymät**. Helsinki: Työ- ja elinkeinoministeriö, 2015. 72 p. (Työ- ja elinkeinoministeriön julkaisuja; 54).

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

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

Ma S, Pournoori N, Sydänheimo L, Ukkonen L, Björninen T, Georgiadis A. **A Batteryless Semi-Passive RFID Sensor Platform**. In *2019 IEEE International Conference on RFID Technology and Applications (RFID-TA)*. IEEE. 2019. p. 171-173 <https://doi.org/10.1109/RFID-TA.2019.8892176>

Machado M, Verghese G, Peltola T. **Massive Open Online Research: An approach to deal with wicked problems**. In *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. 2014. p. 236-242. 6921178

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

Madhala P, Jussila J, Aramo-Immonen H, Suominen A. **Systematic literature review on customer emotions in social media**. In *Cunnane V, Corcoran N, editors, ECSCM - Proceedings of the 5th European Conference on Social Media*. Limerick, Ireland. 2018

Mäenpää S, Breite R. **Social capital in hybrid governance - Case study in a global subcontracting process**. In *Proceedings of the 24th Annual IPSERA Conference Preparing for new competitive challenges, March 29-April 1, Amsterdam, the Netherlands*. IPSERA. 2015

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

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

Majanne Y, Korpela T, Judl J, Koskela S, Laukkanen V, Häyrynen A et al. **Voimalaitosten reaaliaikainen ympäristövaikutusten monitorointi**. In *Jämsä-Jounela S-L, editor, Automaatio XXI seminaari*. Suomen Automaatioseura. 2015. p. 1-6. (SAS julkaisusarja; 44).

Majuri M, Lanz M. **Social capital characteristics in RD project networks**. In 2018 Portland International Conference on Management of Engineering and Technology (PICMET). IEEE. 2018. 8481775  
<https://doi.org/10.23919/PICMET.2018.8481775>

Mäkelä A-M, Ali-Löytty S, Humaloja J-P, Joutsenlahti J, Kauhanen J, Kaarakka T. **STACK assignments in university mathematics education**. In Proceedings of the 44th SEFI Conference, 12 - 15 September 2016, Tampere, Finland. European Society for Engineering Education SEFI. 2016

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

Mäkinen SJ. **Internet-of-things disrupting business ecosystems: A case in home automation**. In IEEM 2014: 2014 IEEE International Conference on Industrial Engineering and Engineering Management. IEEE COMPUTER SOCIETY PRESS. 2015. p. 1467-1470 <https://doi.org/10.1109/IEEM.2014.7058882>

Mäkinen SJ, Dedehayir O, Ortt R. **Exploring effects of ecosystem clockspeed on product performance**. In IEEE International Conference on Industrial Engineering and Engineering Management. Vol. 2015-January. IEEE COMPUTER SOCIETY PRESS. 2015. p. 1457-1461. 7058880 <https://doi.org/10.1109/IEEM.2014.7058880>

Mäkitalo J. **Boundary Integral Operators in Linear and Second-order Nonlinear Nano-optics**. Tampere University of Technology, 2015. 73 p. (Tampere University of Technology. Publication).

Mäkitalo-Keinonen T, Aarikka-Stenroos L. **Examining Innovation Barriers along Innovation Process in Multi-Industry Hygiene-Technology Network**. In The Proceedings of the XXVI ISPIM Conference 2015 Budapest, Hungary . Denmark: International Society for Professional Innovation Management ISPIM. 2015

Mäntysalo M, Vuorinen T, Jeyhani V, Vehkaoja A. **Printed soft-electronics for remote body monitoring**. In Hybrid Memory Devices and Printed Circuits 2017: SPIE Organic Photonics + Electronics | 6-10 August 2017. SPIE. 2017. (SPIE Conference Proceedings). <https://doi.org/10.1117/12.2275606>

Mardoukhi A, Hokka M, Kuokkala V-T. **Effects of surface cracks and strain rate on the tensile behavior of Balmoral Red granite**. In 11th International Conference on the Mechanical and Physical Behaviour of Materials Under Dynamic Loading. EDP Sciences. 2015. 02007

Mardoukhi A, Saksala T, Hokka M, Kuokkala V-T. **An experimental and numerical study of the dynamic Brazilian disc test on Kuru granite**. In Proceedings of the XII Finnish Mechanics Day. 2015. p. 210-215

M. Aref M, Astola P, Vihonen J, Tabus I, Ghabcheloo R, Mattila J. **Adaptive Feedback in Local Coordinates for Real-time Vision-Based Motion Control Over Long Distances**. In International Conference on Robotics and Mechantronics : (ICRoM 2017). Vol. 320. IOP Publishing Ltd. 2018. 012009. (IOP conference series : materials science and engineering). <https://doi.org/10.1088/1757-899X/320/1/012009>

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

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

Markopoulos E, Vanharanta H. **The Company Democracy Model for the Development of Intellectual Human Capitalism for Shared Value**. In 6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015. Elsevier. 2015. p. 603-610. (Procedia Manufacturing). <https://doi.org/10.1016/j.promfg.2015.07.277>

Markopoulos E, Vanharanta H. **The World Innovation Stock Exchange- shared value for individuals, business and society.** In 6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015. Elsevier. 2015. p. 595-602. (Procedia Manufacturing). <https://doi.org/10.1016/j.promfg.2015.07.275>

Martinsuo M, Arvio I. **Decision making on sustainability in product development projects.** In 15th Annual Conference of EURAM European Academy of Management: EURAM 2015. Warsaw: European Academy of Management, EURAM. 2015

Martinsuo M, Kivilä J, Heikkilä J. **Creating sustainable value in manufacturing operations: the role of an external service provider.** In 22nd EurOMA Conference: Operations management for sustainable competitiveness. Switzerland: European Operations Management Association. 2015

Martinsuo M, Ahvenniemi O, Vaittinen E. **Changes in operations when introducing disruptive technologies.** In 22nd EurOMA Conference: Operations management for sustainable competitiveness. Switzerland: European Operations Management Association. 2015

Martinsuo M, Sukanen I, Kivilä J. **Defining product end-of-life strategies in new product development.** In 23rd Nordic Academy of Management Conference NFF 2015- Business in society: NFF 2015. Nordic Academy of Management. 2015

Martinsuo M, Momeni K. **Customized service solutions for project business.** In 23rd Nordic Academy of Management Conference 2015. Nordic Academy of Management. 2015

Martinsuo M, Vuorinen L. **Project control toward lifecycle value at the front end of delivery projects.** In 23rd Nordic Academy of Management Conference : NFF 2015. Nordic Academy of Management. 2015

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

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

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

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

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

Marttila T, Suonketo J, Kero P, Annala P, Pentti M. **Valtion tukemien homekorjaushankkeiden arviointi (HKPro 2).** In Säteri J, Ahola M, editors, Sisäilmastoseminaari 2015 SIY Raportti 33, Messukeskus, Helsinki 11.3.2015: Sisäilmastoseminaari. Vol. Sisäilmayhdistys raportti 33. Juva. 2015. p. 101-106

Marttila T, Suonketo J, Kero P, Annala P. **Onnistumistekijät valtion tukemissa homekorjaushankkeissa.** In Vinha J, Ruuska T, editors, Rakennusfysiikka 2015: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut, 20-22.10.2015, Tampere. Vol. 4. Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka. 2015. p. 253-258. 152

Marttila T, Annala P, Kero P, Suonketo J, Heino S, Pentti M. **HKPro3 - Valtion tukemien homekorjaushankkeiden arviointi: Jatkotutkimus**. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennustekniikka, 2015. 68 p. (Tampereen teknillinen yliopisto. Rakennustekniikan laitos. Rakennetekniikka; Tutkimusraportti).

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

Mateos X, Loiko P, Lamrini S, Scholle K, Fuhrberg P, Suomalainen S et al. **Highly-efficient Ho:KY(WO<sub>4</sub>)<sub>2</sub> thin-disk lasers at 2.06 μm**. In *Pacific-Rim Laser Damage 2018: Optical Materials for High-Power Lasers*. SPIE, IEEE. 2018. 107130J. (Proceedings of SPIE). <https://doi.org/10.1117/12.2316822>

Matikainen V, Koivuluoto H, Milanti A, Vuoristo P. **Advanced coatings by novel high-kinetic thermal spray processes**. *Materia*. 2015 Feb 9;73(1):46-50.

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

Matikainen V, Rubio S, Ojala N, Koivuluoto H, Schubert J, Houdková S et al. **Cavitation erosion, slurry erosion and solid particle erosion performance of metal matrix composite (MMC) coatings sprayed with modern high velocity thermal spray processes**. In *Materials Science and Technology Conference and Exhibition 2017, MS and T 2017: October 8-12, 2017, Pittsburgh, Pennsylvania USA*. Vol. 2. Association for Iron and Steel Technology, AISTECH. 2017. p. 1161-1163

Mela K, Heinisuo M. **Economical utilization of high strength steel: Welded slim floor box beams**. In *Eurosteel 2014 7th European conference on steel and composite structures*. 2014

Mela K, Alinikula M, Tiainen T, Heinisuo M, Sorsa I. **Suunnittelutyökalu putkiristikoiden mitoitukseen ja optimointiin**. In *Proceedings of the XII Finnish Mechanics Days. Suomen XII Mekaniikkapäivien esitelmät. Rakenteiden Mekaniikan Seura ry*. 2015. p. 136-141

Melin J, Ritala R. **Novel Method For Online Stereo Self-Calibration**. In *XXI IMEKO World Congress "Measurements In Research and Industry"*. 2015

Mendes MR, Subramaniyam NP, Wendel-Mitoraj K. **Evaluating the electrode measurement sensitivity of subdermal electroencephalography electrodes**. In *International IEEE/EMBS Conference on Neural Engineering, NER*. Vol. 2015-July. IEEE COMPUTER SOCIETY PRESS. 2015. p. 1092-1095 <https://doi.org/10.1109/NER.2015.7146818>

Mereuta A, Nechay K, Caliman A, Suruceanu G, Gallo P, Guina M et al. **1.55-μm wavelength wafer-fused OP-VECSELs in flip-chip configuration**. In Keller U, editor, *Vertical External Cavity Surface Emitting Lasers (VECSELs) IX*. SPIE, IEEE. 2019. 1090103. (Proceedings of SPIE - The International Society for Optical Engineering). <https://doi.org/10.1117/12.2508342>

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

Merilampi S, Ihanakangas V, Virkki J. **User-driven development with scientific applied research - RFID-controlled physiogame case study**. In *2019 IEEE International Conference on RFID Technology and Applications (RFID-TA)*. IEEE. 2019. p. 167-170 <https://doi.org/10.1109/RFID-TA.2019.8892150>

Messo T, Aapro A, Suntio T. **Generalized multivariable small-signal model of three-phase grid-connected inverter in DQ-domain**. In *IEEE 16th Workshop on Control and Modeling for Power Electronics (COMPEL)*. IEEE. 2015 <https://doi.org/10.1109/COMPEL.2015.7236460>

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

Messo T, Roinila T, Aapro A, Luhtala R. **Accurate impedance model of grid-connected inverter for small-signal stability assessment in high-impedance grid**. IEEJ JOURNAL OF INDUSTRY APPLICATIONS. 2019 Feb 1;8(3). 3.  
<https://doi.org/10.23919/IPEC.2018.8507573>

Metsäpuro P, Vaismaa K, Karhula K, Luukkonen T, Mäntynen J, Rantala T. **Vaihdetta isommalle: Pyöräilyn potentiaalın hyödyntäminen**. Tampere: Tampereen teknillinen yliopisto. Liikenteen tutkimuskeskus Verne., 2014. 145 p.

Mettänen M, Melin J, Ihalainen H. **Photometric stereo system for detailed analysis of material surfaces**. In IMEKO XXI World Congress, Measurement in Research and Industry, Proceedings, August 30 - September 4, 2015, Prague, Czech Republic. 2015

Michele Felicetti A, Ammirato S, Raso C, Aramo-Immonen H, Jussila J. **Being a start-upper in Italy: Motivations, obstacles and success factors**. In Proceedings of the 11th forum on knowledge asset dynamics: Towards a new architecture of knowledge: big data, culture and creativity. Dresden. 2016. p. 1370-1383. 182