

Calcium signaling in astrocytes: modeling Fura-2AM measurements

Toivari, E., Manninen, T., Nahata, A. K., Jalonen, T. O. & Linne, M-L., 2010, In : *Frontiers in Neuroscience*. 1 p.
Research output: Contribution to journal › Meeting Abstract › Scientific › peer-review

Beaconing in a highway scenario: Vulnerable vehicles problem

Tariq, A. B., 2012, *Proceedings of the 11th Conference of Open Innovations Association FRUCT, FRUCT 2012*. IEEE, Vol. 2012-April. p. 169-175 7 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Grammatical and Semantic Disambiguation of Requirements at Elicitation and Representation Stages

Christophe, F., Wang, M., Coatanea, E., Zeng, Y. & Bernard, A., 2012, *Proceedings of the ASME International Design Engineering Technical Conferences and Computers and Information in Engineering, 2011, vol 9*. AMER SOC MECHANICAL ENGINEERS, p. 17-31 15 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

International Workshop on MicroFactories (IWMF 2012): 17th-20th June 2012 Tampere Hall Tampere, Finland

Tuokko, R. (ed.), Lanz, M. (ed.) & Luostarinen, P. (ed.), 2012, Tampere University of Technology. Department of Production Engineering. 186 p.
Research output: Book/Report › Commissioned report › Professional

Proceedings of VikingPLoP 2012 Conference

Eloranta, V-P. (ed.), Koskinen, J. (ed.) & Leppänen, M. (ed.), 2012, Tampere University of Technology. Department of Software Systems. 142 p. (Tampere University of Technology. Department of Software Systems. Report; vol. 22)
Research output: Book/Report › Commissioned report › Professional

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

Drossos, K., Floros, A., Agavanakis, K., Tatlas, N-A. & Kanellopoulos, N., Apr 2012, *Audio Engineering Society Convention 132*. AES Audio Engineering Society, 11 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Smart microphone sensor system platform

Kokkinis, E., Drossos, K., Tatlas, N-A., Floros, A., Tsilfidis, A. & Agavanakis, K., Apr 2012, *Audio Engineering Society Convention 132*. AES Audio Engineering Society, 4 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

High-efficiency yellow VECSEL with 20 W output power

Kantola, E., Leinonen, T., Ranta, S., Tavast, M. & Guina, M., 2013, *Optics Days 2013, Helsinki, Finland: Oral presentation in Optics Days 2013, Helsinki, Finland*.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Integration of evaluation and simulation methods for virtual prototypes

Christophe, F., Mokammel, F., Coatanea, E. & Bakhouya, M., 2013, *Proceedings of the 15th International Conference on Engineering and Product Design Education: Design Education - Growing Our Future, EPDE 2013*. p. 623-628 6 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Interplay between offering, provider and customer in product-service system design

Ritola, T. & Coatanea, E., 2013, *Proceedings of the 19th International Conference on Engineering Design (ICED13), Design for Harmonies, Vol.4: Product, Service and Systems Design, Seoul, Korea, 19-22.08.2013*. Lindemann, U., Venkataraman, S., Kim, YS., Lee, SW., DeWeck, O. & Hong, YS. (eds.). DESIGN SOC, 10 p. (International Conference on Engineering Design).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Model-Based Approach for Change Propagation Analysis in Requirements

Nonsiri, S., Coatanea, E., Bakhouya, M. & Mokammel, F., 2013, *2013 IEEE International Systems Conference (SysCon)*. IEEE, p. 497-503 7 p. (Systems Conference (SysCon), 2013 IEEE International).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Moduulirakentaminen: Teräskennoteknologian mahdollisuudet

Sorri, J. (ed.), 2013, Tampereen teknillinen yliopisto. Rakennustekniikan laitos. 114 p. (Tampereen teknillinen yliopisto. Rakennustekniikan laitos. Rakennustuotanto ja -talous. Raportti; vol. 14)
Research output: Book/Report › Commissioned report › Professional

Proceedings of VikingPLoP 2013 Conference

Eloranta, V-P. (ed.), Koskinen, J. & Leppänen, M. K., 2013, Tampere University of Technology. Department of Pervasive Computing. 125 p. (Tampere University of Technology. Department of Pervasive Computing. Report; vol. 2)
Research output: Book/Report › Commissioned report › Professional

Theory driven design and real proto typing of biomass pyrolitic stove

Ogeya, M. C., Coatanéa, E. & Medyna, G., 2013, *Proceedings of the International Conference on Engineering Design, ICED*. Vol. 9 DS75-09. p. 69-78 10 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Theory driven design and real prototyping of biomass pyrolitic stove

Ogeya, M. C., Coatanea, E. & Medyna, G., 2013, *Design for Harmonies, Vol.9: Design Methods and Tools*. Lindemann, U., Srinivasan, Kim, YS., Lee, SW., Papalambros, P. & Chen, W. (eds.). DESIGN SOC, p. 69-78 10 p. (International Conference on Engineering Design).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Kids Out! Urban environments and physical activity among children and adolescents

Sarjala, S-M., 26 Feb 2013, *2013 Active Living Research (ALR) Annual Conference in San Diego, CA*. 1 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

OSS-TMM: Guidelines for improving the testing process of open source software

Morasca, S., Taibi, D. & Tosi, D., 28 Feb 2013, *Open Source Software Dynamics, Processes, and Applications*. IGI Global , p. 59-78 20 p.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Impact analysis of graph-based requirements models using PageRank algorithm

Mokammel, F., Coatanea, E., Bakhouya, M., Christophe, F. & Nonsiri, S., Apr 2013, *2013 IEEE International Systems Conference (SysCon)*. IEEE, p. 731-736 6 p. (2013 IEEE International Systems Conference (SysCon)).
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Automated Tonal Balance Enhancement for Audio Mastering Applications

Mimilakis, S. . I., Drossos, K., Floros, A. & Katerelos, D., May 2013, *Audio Engineering Society Convention 134*. AES Audio Engineering Society, 7 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

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

Drossos, K., Kotsakis, R., Pappas, P., Kalliris, G. & Floros, A., May 2013, *Audio Engineering Society Convention 134*. AES Audio Engineering Society, 9 p. 8812
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

EMCCD imaging of strongly ionizing radioactive materials for safety and security

Sand, J., Ihantola, S., Peräjärvi, K., Toivonen, H., Nicholl, A., Hrneckec, E. & Toivonen, J., 12 May 2013, *2013 Conference on Lasers and Electro-Optics - International Quantum Electronics Conference*. Optical Society of America, p. JSII_P_1
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

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

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

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

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

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

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

Automated driving and the key megatrends of future

Pöllänen, M. & Nykänen, L., 2014, *ITS European Congress: 10th ITS EUROPEAN CONGRESS, Helsinki, Finland 16-19 June 2014*. TP0067

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

Combining Product Innovation With Service Innovation to Increase Value Created With a System

Ritola, T. & Coatanea, E., 2014, *Proceedings of the ASME international mechanical engineering congress and exposition, 2013, vol 12*. AMER SOC MECHANICAL ENGINEERS, 10 p.

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

Contact analysis included in a 3D FEA of tube splices

Perttola, H., Ronni, H. & Heinisuo, M., 2014, *Eurosteel 2014 7th European conference on steel and composite structures*.

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

Crossing Boundaries for Learning – through Technology and Human Efforts

Niemi, H., Multisilta, J. & Löfström, E., 2014, CICERO Learning Network, University of Helsinki.

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

Design: A Key Stage of Product Lifecycle

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

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

Economical utilization of high strength steel: Welded slim floor box beams

Mela, K. & Heinisuo, M., 2014, *Eurosteel 2014 7th European conference on steel and composite structures*.

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

Electrostatic Threats in Hospital Environment

Viheriäkoski, T., Kokkonen, M., Tamminen, P., Karja, E., Hillberg, J. & Smallwood, J., 2014, *2014 36TH Electrical overstress/electrostatic discharge symposium (EOS/ESD)*. IEEE COMPUTER SOC, 9 p. (Electrical Overstress Electrostatic Discharge Symposium).

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

ESD Sensitivity of 01005 Chip Resistors and Capacitors

Tamminen, P., Sydänheimo, L. & Ukkonen, L., 2014, *2014 36TH Electrical Overstress/Electrostatic Discharge Symposium (EOS/ESD)*. IEEE COMPUTER SOC, 9 p. (Electrical Overstress Electrostatic Discharge Symposium).

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

Field Collapse Event ESD Test Method

Tamminen, P., Viheriäkoski, T., Reinvuori, T., Sydänheimo, L. & Ukkonen, L., 2014, *2014 36TH Electrical overstress/electrostatic discharge symposium (EOS/ESD)*. IEEE COMPUTER SOC, 6 p. (Electrical Overstress Electrostatic Discharge Symposium).

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

Kävelystä elinvoimaa

Rantala, T., Luukkonen, T., Karhula, K., Vaismaa, K., Mäntynen, J. & Metsäpuro, P., 2014, Tampere: Tampereen teknillinen yliopisto. Liikenteen tutkimuskeskus Verne. 142 p.

Research output: Book/Report › Commissioned report › Professional

Knowledge Management Practices in Large Companies

Väyrynen, H., Helander, N. & Kukko, M., 2014, In : *The Macrotheme Review*. 3, 9, p. 56-72 17 p., 3(9).
Research output: Contribution to journal > Article > Scientific > peer-review

Kohti kestäväää Skanssia

Laak, M. (ed.) & Del Barrio Batista, J. (ed.), 2014, Tampereen teknillinen yliopisto. Arkkitehtuurin laitos. 87 p.
Research output: Book/Report > Commissioned report > Professional

Lahdelma & Mahlamäki Architects: Works

Lahdelma, I., 2014, Rakennustieto. 152 p.
Research output: Book/Report > Book > Professional

Life Beyond the Binary Code: Select Prose and Poetry

Lepistö, T. (ed.), 2014, Tampere University of Technology, Language Center. 79 p.
Research output: Book/Report > Commissioned report > Professional

Liite 6: Yleistä kaivannaisjätealueista ja patoturvallisuudesta

Leppänen, M., Välisalo, T. (ed.) & Laasonen, J., 2014, *Kaivosten stressitesti 2013*. Ympäristöministeriö, (Ympäristöministeriön raportteja).
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Professional

Modeling of Age-Dependent Failure Tendency from Incomplete Data

Hagmark, P. & Laitinen, J., 2014, *Engineering Asset Management 2011: Proceedings of the Sixth World Congress on Engineering Asset Management*. Lee, J., Ni, J., Sarangapani, J. & Mathew, J. (eds.). London: Springer-Verlag London Limited, p. 449-459 11 p. (Lecture Notes in Mechanical Engineering).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

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

Amjad, F., Weick, H., Mattila, J., Kozlova, E. & Schloer, C., 2014, *2014 IEEE 17th International Conference on Intelligent Transportation Systems (ITSC), 8-11 Oct. 2014, Qingdao*. IEEE, p. 188-194 7 p.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Optimization of high strength steel tubular trusses

Tiainen, T., Mela, K., Jokinen, T. & Heinisuo, M., 2014, *Eurosteel 2014 7th European conference on steel and composite structures*.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Optimizing investment in ESD control

Smallwood, J., Tamminen, P. & Viheriäkoski, T., 2014, *2014 Electrical Overstress/Electrostatic Discharge Symposium (EOS/ESD)*. IEEE COMPUTER SOC, 6 p. (Electrical Overstress Electrostatic Discharge Symposium).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Orimattilan Henna

Laak, M. (ed.), 2014, Tampereen teknillinen yliopisto. Arkkitehtuurin laitos. 89 p.
Research output: Book/Report > Commissioned report > Professional

Product Upgradability: Towards a Medical Analogy

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

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

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

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

Systemic Sustainability and Emerging Diversity of Shopping Concepts in Urban Multi-Agent Networks

Rantanen, A., Iltanen, S. & Joutsiniemi, A., 2014, *New Urban Configurations*. Cavallo, R., Komossa, S., Marzot, N., Berghauser Pont, M. & Kuijper, J. (eds.). Delft University Press, p. 510-517

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

The behaviour of transverse bar reinforcement of slim floor beams in precast floors

Vinberg, M., Malaska, M. & Peltonen, S., 2014, *Eurosteel 2014 : 7th European Conference on Steel and Composite Structures, 10.-12.9.2014, Naples, Italy*. Landolfo, R. & Mazzolani, F. (eds.). Belgium: ECCS - European Convention for Constructional Steelwork, 6 p. 33-493

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

Towards a sustainable Skanssi

Laak, M. (ed.) & Del Barrio Batista, J. (ed.), 2014, Tampere University of Technology, School of Architecture. 87 p.

Research output: Book/Report › Commissioned report › Professional

Vaihdetta isommalle: Pyöräilyn potentiaalin hyödyntäminen

Metsäpuro, P., Vaismaa, K., Karhula, K., Luukkonen, T., Mäntynen, J. & Rantala, T., 2014, Tampere: Tampereen teknillinen yliopisto. Liikenteen tutkimuskeskus Verne. 145 p.

Research output: Book/Report › Commissioned report › Professional

Vibration analysis of the composite slim floor

Yrjölä, J., Peltonen, S. & Malaska, M., 2014, *EUROSTEEL 2014 : 7th European Conference on Steel and Composite Structures, 10.-12.9.2014, Naples, Italy*. Landolfo, R. & Mazzolani, F. (eds.). Belgium: ECCS - European Convention for Constructional Steelwork, 6 p. 33-494

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

White Knights of the Smart City

Kymäläinen, T., Sahar, F. & Palviainen, J., 2014, *Workshop Proceedings of the 10th International Conference on Intelligent Environments*. Augusto, JC. & Zhang, T. (eds.). IOS Press, p. 223-234 12 p. (Ambient Intelligence and Smart Environments; vol. 18).

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

Patterns for controlling chaos in a startup

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

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

Two patterns for minimizing human resources in a startup

Leppänen, M., 10 Apr 2014, *VikingPLoP 2014 Proceedings of the 8th Nordic Conference on Pattern Languages of Programs (VikingPLoP)*. ACM, 4

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

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

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

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

BEADS: A dataset of Binaural Emotionally Annotated Digital Sounds

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

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

Development of chip-surface stimulus electrode array for fully-implantable subretinal prosthesis chip

Sasaki, Y., Suzuki, T., Iwagami, T., Tani, T., Naganuma, H., Kino, H., Hyttinen, J., Kellomäki, M. & Tanaka, T., 17 Aug 2014, In : Transactions of Japanese Society for Medical and Biological Engineering. 52, p. O-253-O-254
Research output: Contribution to journal > Article > Scientific > peer-review

Development of Si neural probe module with adjustable gain amplifier for neuronal signal recording

Tani, T., Naganuma, H., Harashima, T., Iwagami, T., Kino, H., Kiyoyama, K., Kellomäki, M., Hyttinen, J. & Tanaka, T., 17 Aug 2014, In : Transactions of Japanese Society for Medical and Biological Engineering. 52, p. O-377-O-378
Research output: Contribution to journal > Article > Scientific > peer-review

The Parallel Diode and Trap Behaviour of Ternary Polymer Solar Cells

Kraft, T., Cristoferi, C., Trigaud, T., Nunzi, J-M. & Ratier, B., Sep 2014, *EU PVSEC Proceedings*. EU PVSEC, Vol. EU PVSEC 2014. 3BV.5.23
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific

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

Baldauf, C., Ropo, M., Blum, V. & Scheffler, M., 6 Oct 2014, *International Conference of Computational Methods in Sciences and Engineering 2014 (ICCMSE 2014)*. Simos, T. E., Kalogiratou, Z. & Monovasilis, T. (eds.). American Institute of Physics Inc., Vol. 1618. p. 119-120 2 p. (AIP Conference Proceedings; vol. 1618).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Massive Open Online Research: An approach to deal with wicked problems

Machado, M., Verghese, G. & Peltola, T., 10 Oct 2014, *PICMET 14 Conference, Portland International Center for Management of Engineering and Technology: Infrastructure and Service Integration*. Portland: The Institute of Electrical and Electronics Engineers, Inc., p. 236-242 7 p. 6921178
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Consumers' Views on Eco-Friendliness as a Dimension of a High-Tech Brand

Saari, U., Mäkinen, S. & Alinikula, P., 17 Nov 2014, *Going Green - CARE INNOVATION 2014*. SAT Austrian Society for Systems Engineering and Automation, p. 1-8 8 p. 067
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Professional

Arbitrary Land Use Policy in Jordan between Legal Brand and Property Control

Tewfik, M. & Amr, A., Dec 2014, In : European International Journal of Science and Technology. 3, 9, p. 86-93 8 p.
Research output: Contribution to journal > Article > General public

1180nm VECSEL with 50 W output power

Kantola, E., Leinonen, T., Ranta, S., Tavast, M., Penttinen, J-P. & Guina, M., 2015, *Proceedings of SPIE - The International Society for Optical Engineering*. SPIE, Vol. 9349. 93490U
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

50 W VECSEL emitting at 1180 nm

Kantola, E., Leinonen, T., Penttinen, J-P., Tavast, M., Ranta, S. & Guina, M., 2015, *2015 Conference on Lasers and Electro-Optics Europe - European Quantum Electronics Conference, 21.-25.6. Munich, Germany: CB_3_1*. OSA
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

8th Nordic Conference on Construction Economics and Organization

Kähkönen, K. (ed.), 2015, In : *Procedia Economics and Finance*. 21
Research output: Contribution to journal > Special issue > Scientific > peer-review

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

Galinina, O., Turlikov, A., Pyattaev, A., Johnsson, K., Andreev, S. & Koucheryavy, Y., 2015, *2015 7th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT)*. IEEE, p. 298-304 7 p.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

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

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

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

A computationally feasible optimization approach to inverse SAR translational motion compensation

Vehmas, R., Jylhä, J., Väilä, M. & Kymälä, J., 2015, *Proceedings of the 12th European Radar Conference (EuRAD 2015)*.

IEEE, p. 17-20 4 p.

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

Acquisition of E5 Galileo signals in Matlab

Stepanova, E., Kudryavtsev, I. & Lohan, E-S., 2015, In : *Procedia Engineering*. 104, p. 36-42 7 p.

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

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

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

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

Active corrosion phase as a service life extension of concrete facades

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

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

A dynamic paper machine simulator for testing of model predictive control applications

Yli-Fossi, T. & Kuusisto, R., 2015, *Proceedings of AutomaatioXXI seminaari*. Suomen Automaatioseura ry, p. 1-6 6 p. (SAS julkaisusarja; no. 42).

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

Air pressure difference between indoor and outdoor or staircase in multi-family buildings with exhaust ventilation system in Finland

Leivo, V., Kiviste, M., Aaltonen, A., Turunen, M. & Haverinen-Shaughnessy, U., 2015, In : *Energy Procedia*. 78C, p. 1218-1223 6 p., 78C.

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

Aluetehokkuuden kustannusvaikutukset

Nisula, J. & Saari, A., 2015, *Nollaa parempi – Townhouse energiatehokkaassa asuinrakentamisessa*. Aalto-yliopisto, p. 102-107 6 p. (Aalto University publication series Crossover; no. 9/2015).

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

A model based analysis of the measurement errors in inductively coupled passive resonance sensors

Salpavaara, T. & Lekkala, J., 2015, *IMEKO XXI World Congress, Proceedings, August 30 - September 4, 2015, Prague, Czech Republic*. Holub, J. (ed.). 4 p.

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

A model for anisotropic magnetostriction

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

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

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

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

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

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

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

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

Analysis of the aircraft operational reliability research series: From statistical models to avionics data monitoring

Laitinen, J. & Niemi, A., 2015, *Proceedings of the 9th World congress on engineering asset management (WCEAM 2014), Pretoria, South Africa 28-31 Oct, 2014*. 15 p.

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

Analysis on bus travel time through traffic light intersection

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

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

An anisotropic continuum damage model for concrete

Yaghoubi, S. T., Hartikainen, J., Kolari, K. & Kouhia, R., 2015, *Proceedings of the XII Finnish Mechanics Days: Suomen XII mekaniikkapäivien esitelmät*. Kouhia, R., Mäkinen, J., Pajunen, S. & Saksala, T. (eds.). Rakenteiden Mekaniikan Seura ry, p. 51 56 p.

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

A new generation sweating thermal manikin for the evaluation of the thermal comfort of protective clothing in Arctic Conditions

Varheenmaa, M., 2015, *Arctic Wears - Perspectives on Arctic Clothing*. Konola, S. & Kähkönen, P. (eds.). Lapland University of Applied Sciences, p. 154-161 7 p. (Liiketoiminta ja yrittäjyys Sarja B. Raportit ja selvitykset 10/2015).

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

A new method to calculate natural convection heat transfer from a non-isothermal fin array

Lampio, K. & Karvinen, R., 2015, *Proceedings of the 7th Baltic Heat Transfer Conference, August 24-26 2015, Tallinn Estonia*. Neshumayev, D. & Sunden, B. (eds.). Tallinn: Tallinn University of Technology, (Baltic Heat Transfer Conference BHTC).

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

An experimental and numerical study of the dynamic Brazilian disc test on Kuru granite

Mardoukhi, A., Saksala, T., Hokka, M. & Kuokkala, V-T., 2015, *Proceedings of the XII Finnish Mechanics Day*. p. 210-215 6 p.

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

An Initial Homophily Indicator to Reinforce Context-Aware Semantic Computing

Rivero-Rodriguez, A., Pileggi, P. & Nykänen, O., 2015, *7th International Conference on Computational Intelligence, Communication Systems and Networks (CICSyN)*. Riga: IEEE, p. 89-93 5 p. (International Conference on Computational Intelligence, Communications and Networks).

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

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

Krogerus, T., Hyvönen, M., Backas, J. & Huhtala, K., 2015, *Proceedings of the Fourteenth Scandinavian International Conference on Fluid Power, SICFP15. May 20-22, 2015. Tampere, Finland*. Tampere University of Technology. Department of Intelligent Hydraulics and Automation, 14 p. (The Scandinavian International Conference on Fluid Power).

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

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

Kivimäki, J. & Suntio, T., 2015, *31st European Photovoltaic Solar Energy Conference and Exhibition (EU PVSEC)*. p. 1602-1608 7 p.

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

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

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

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

Application of terrestrial LiDAR and modelling of tree branching structure for plant- scaling models in tropical forest trees

Lau Sarmiento, A., Bartholomeus, H., Herold, M., Martius, C., Malhi, Y., Patrick Bentley, L., Shenkin, A. & Raunonen, P., 2015, *Proceedings of SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems*. p. 96-98 3 p.

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

A Proposal of Decentralized Architecture for OKD-MES

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

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

Architecture for Open, Knowledge-Driven Manufacturing Execution System

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

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

Arkinen liikkuminen kontekstina kaupunkitilan tarkasteluun

Tartia, J., 2015, In : Versus.

Research output: Contribution to journal › Special issue › Scientific

Assessing coupling dynamics from an ensemble of time series

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

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

Assessment of student retention using the Evolute approach, an overview

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

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

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

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

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

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

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

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

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

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

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

Balancing Expectations to the Health Software Production Process Standard

Värrö, A., 2015, *The 3rd International Virtual Research Conference In Technical Disciplines*. (RCITD - Proceedings in Research Conference in Technical Disciplines).

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

Breathers Emergence in Spontaneous Modulation Instability

Toenger, S., Godin, T., Billet, C., Dias, F., Erkontalo, M., Genty, G. & Dudley, J. M., 2015, *European Quantum Electronics Conference 2015*. Optical Society of America (OSA), EF_P_25

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

CBRN Defense Using THz Pulse Trains from Semiconductor Disk Lasers

Saarinen, E., 2015, *NATO ARW on THz Diagnostics of CBRN effects and Detection of Explosives & CBRN: Proceedings of the NATO ARW on Detection of Explosives and CBRN*. (NATO Science for Peace and Security Series B: Physics and Biophysics).

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

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

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

Research output: Book/Report › Commissioned report › Professional

Challenges Facing BIM Education: Development of Appropriate Teaching and Learning Resources

Puolitaival, T., Forsythe, P. & Kähkönen, K., 2015, *RICS COBRA AUBEA 2015: The Construction, Building and Real Estate Research Conference of the Royal Institution of Chartered Surveyors*. London: Royal Institution of Chartered Surveyors

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

Changes in operations when introducing disruptive technologies

Martinsuo, M., Ahvenniemi, O. & Vaittinen, E., 2015, *22nd EurOMA Conference: Operations management for sustainable competitiveness*. Switzerland: European Operations Management Association

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

Characterizing the Context of Use in Mobile Work

Väätäjä, H., 2015, *Human Work Interaction Design. Work Analysis and Interaction Design Methods for Pervasive and Smart Workplaces: 4th IFIP 13.6 Working Conference, HWID 2015, London, UK, June 25-26, 2015, Revised Selected Papers*. Springer Verlag, p. 97-113 167 p. (IFIP Advances in Information and Communication Technology; vol. 468).

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

Classification of Knowledge Representation Implementations in the Manufacturing Systems Domain

Ramis Ferrer, B., 2015, *Open Knowledge-Driven Manufacturing & Logistics: The eScop Approach*. Strzelczak, S., Balda, P., Garetti, M. & Lobov, A. (eds.). Warsaw University of Technology Publishing House, p. 235-244 10 p.

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

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

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

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

Competence portfolio assessment of research and development center for regional development

Salminen, V., Kantola, J. I. & Vanharanta, H., 2015, *6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015*. Elsevier, p. 701-708 9 p. (Procedia Manufacturing; vol. 3).

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

Complexity and Digitalisation of Cities - Challenges for Urban Planning and Design: Conference Proceedings of 13th AESOP Complexity and Planning Thematic Group Meeting 15th-16th January 2015, Tampere, Finland

Partanen, J. (ed.), 2015, Tampere University of Technology. School of Architecture. 226 p.

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

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

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

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

Concentration and composition gradients of exhaust and non-exhaust particles near a major road

Niemi, J. V., Saarikoski, S., Pirjola, L., Taimisto, P., Pulkkinen, A., Yli-Tuomi, T., Lanki, T., Kousa, A., Enroth, J., Kuuluvainen, H., Rönkkö, T. & Hillamo, R., 2015, *EAC 2015, European Aerosol Conference, 6-11 September, 2015, Milan, Italy*.

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

Consumer acceptance in new service innovation: Enhancing consumer durables with new product-related services.

Vaittinen, E. & Nenonen, S., 2015, *Proceedings of the 22nd Innovation Product Development Management Conference (IPDMC)*. (International Product Development Management Conference).

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

Creating sustainable value in manufacturing operations: the role of an external service provider

Martinsuo, M., Kivilä, J. & Heikkilä, J., 2015, *22nd EurOMA Conference: Operations management for sustainable competitiveness*. Switzerland: European Operations Management Association

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

Cross-Cultural Design of Mobile Mathematics Learning Service for South African Schools

Vainio, T., Walsh, T. & Varsaluoma, J., 2015, In : *IADIS International Journal on WWW/Internet*. 12, 1, p. 81-93 12 p.

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

CueSense: a Wearable Proximity-Aware Display Enhancing Encounters

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

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

Culture-Aware Web Information System Development

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

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

Customers' conscious experience in a coffee shop

Vanharanta, H., Kantola, J. & Seikola, S., 2015, *6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015*. Elsevier, p. 618-625 8 p. (Procedia Manufacturing; vol. 3).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Editorial

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

Research output: Contribution to journal › Editorial › Scientific

Effect of active damping on the output impedance of PV inverter

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

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

Effect of Inductor Saturation on the Harmonic Currents of Grid-Connected Three-Phase VSI in PV Application

Viinamäki, J., Jokipii, J. & Suntio, T., 2015, *2015 9th International Conference on Power Electronics and ECCE Asia (ICPE-ECCE Asia), 1-5 June 2015, Seoul*. IEEE, p. 1209-1216 8 p.

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

Emergence of relationship triads in construction project networks

Sariola, R., 2015, *23rd Nordic Academy of Management conference, NFF, 12-14 August 2015, Copenhagen, Denmark*. Copenhagen, Denmark: Nordic Academy of Management, p. 1-13 13 p. (Nordic Academy of Management Conference).

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

Emotion measurement services for knowledge workers

Vuolle, M., Saloniemi, H-R., Lintinen, J. & Mäkinen, J., 2015, *RESER2015: 25th Annual RESER Conference, September 10-12, 2015 Copenhagen, Denmark*. Copenhagen: RESER European Association for Research on Services, 20 p.

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

Energy efficiency evaluation method for machine tools

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

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

Engaging facts and feelings in management accounting practices

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

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

Enhancement mechanisms for second-harmonic generation from metal nanostructures

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

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

Entropy of weighted graphs with Randić weights

Chen, Z., Dehmer, M., Emmert-Streib, F. & Shi, Y., 2015, In : *Entropy*. 17, 6, p. 3710-3723 14 p.
Research output: Contribution to journal › Article › Scientific › peer-review

Erosion testing of filled and/or reinforced vinyl ester composites in water medium at elevated temperature

Siljander, S., Kiviniemi, M., Sarlin, E., Lindgren, M., Suihkonen, R. & Vuorinen, J., 2015, *Proceedings of the 20th International Conference on Composite Materials*. 10 p.

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

Evaluating organizational commitment in support of organizational leadership

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

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

Experimental demonstration of temporal ghost imaging

Ryczkowski, P., Barbier, M., Friberg, A. T., Dudley, J. M. & Genty, G., 2015, *2015 European Conference on Lasers and Electro-Optics - European Quantum Electronics Conference*. OSA, CF6_3

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

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

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

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

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

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

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

Extreme Nonlinear Signal Amplification

Närhi, M., Genty, G., Steinmeyer, G., Sand, J. & Orsila, L., 2015, *2015 European Conference on Lasers and Electro-Optics - European Quantum Electronics Conference*. OSA

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

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

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

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

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

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

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

Gas and particle composition and properties of photochemically aged ship plumes using chemical ionization and aerosol mass spectrometry

Psichoudaki, M., Faxon, C., Kuuluvainen, H., Thomson, E. S., Eriksson, A., Mallqvist, J., Pettersson, J., Hallquist, Å., Kristensson, A. & Hallquist, M., 2015, *EAC 2015, European Aerosol Conference, 6-11 September, 2015, Milan, Italy*.

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

Generalized multivariable small-signal model of three-phase grid-connected inverter in DQ-domain

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

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

Green (In,Ga,Al)P-GaP light-emitting diodes grown on high-index GaAs surfaces

Ledentsov, N. N., Shchukin, V. A., Lyytikäinen, J., Okhotnikov, O., Cherkashin, N. A., Shernyakov, Y. M., Payusov, A. S., Gordeev, N. Y., Maximov, M. V., Schlichting, S., Nippert, F. & Hoffmann, A., 2015, *Proceedings of SPIE: Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XIX*. SPIE, Vol. 9383. 93830E

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

>8W GaInNAs VECSEL emitting at 615 nm

Leinonen, T., Penttinen, J. P., Korpijärvi, V. M., Kantola, E. & Guina, M., 2015, *Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) V*. SPIE, Vol. 9349. 934909

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

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

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

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

Harmonic and Imbalance Voltage Mitigation in Smart Grids: A DSTATCOM Based Solution

Roncero-Sanchez, P. & Acha, E., 2015, *IEEE EUROCON 2015*.

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

Heat Loss Rate of the Finnish Building Stock

Vihola, J., Sorri, J., Heljo, J. & Kero, P., 2015, In : *Procedia Economics and Finance*. 21, p. 601-608 8 p.

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

Hiekkatekonurmipintaisten pesäpallokenttien ominaisuuksien muuttuminen ja elinkaari

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

Research output: Book/Report > Commissioned report > Professional

High Temperature Tension HSB Device Based on Direct Electrical Heating

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

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

HKPro3 - Valtion tukemien homekorjaushankkeiden arviointi: Jatkotutkimus

Marttila, T., Annala, P., Kero, P., Suonketo, J., Heino, S. & Pentti, M., 2015, Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennustekniikka. 68 p. (Tampereen teknillinen yliopisto. Rakennustekniikan laitos. Rakennetekniikka; Tutkimusraportti; vol. 163)

Research output: Book/Report > Commissioned report > Professional

How to co-learn in campus.

Salmisto, A., 2015, *Oppiva kampus - How to co-create campus?*. Nenonen, S., Kärnä, S., Junnonen, J-M., Tähtinen, S. & Sandström, N. (eds.). Tampere: Suomen Yliopistokiinteistöt Oy, p. 320-337 18 p.

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

Human Factor in Time Management

Reunanen, T., 2015, In : *Procedia Manufacturing*. 3, p. 709-716 8 p.

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

Hydrodynamic Classification of Natural Flows Using an Artificial Lateral Line and Frequency Domain Features

Tuhtan, J. A., Strokina, N., Toming, G., Muhammad, N., Kruusmaa, M. & Kämäräinen, J-K., 2015, *36th IAHR World Congress*.

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

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

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

Impedanssipneumografia pienten lasten alahengitytiesoireiden selvittelyssä

Seppä, V-P., Pelkonen, A. S., Kotaniemi-Syrjänen, A., Viik, J., Mäkelä, M. J. & Malmberg, P., 2015, *Allergiatutkimussäätiön vuosikirja 2015*. (Allergiakoulu).

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

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

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

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

Improving project control by combining earned value analysis and automatic data collection

Vuorinen, L. & Sariola, R., 2015, *International Research Network in Organizing by Projects Conference 2015: IRNOP*. London, U.K., p. 1 17 p.

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

Improving Recovery Boiler Availability through Understanding Fume Behavior

Leppänen, A. & Välimäki, E., 2015, *TAPPI PEERS Conference Proceedings, October 25-28, 2015*. Atlanta, Georgia: TAPPI, 11 p.

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

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

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

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

Incoherent Broadband Cavity Enhanced Absorption Spectroscopy with a Supercontinuum Source

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

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

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

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

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

Infant respiration and heart rate monitoring with EMFi sensor

Rajala, S. & Lekkala, J., 2015, *IMEKO XXI World Congress, Proceedings, August 30 - September 4, 2015, Prague, Czech Republic*. Holub, J. (ed.). 5 p.

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

Infinitiesimals and Pavelka logic

Turunen, E. & Navara, M., 2015, *PROCEEDINGS OF THE 2015 CONFERENCE OF THE INTERNATIONAL FUZZY SYSTEMS ASSOCIATION AND THE EUROPEAN SOCIETY FOR FUZZY LOGIC AND TECHNOLOGY*. Alonso, JM., Bustince, H. & Reformat, M. (eds.). PARIS: Atlantis Press, p. 1027-1033 7 p. (Advances in Intelligent Systems Research; vol. 89).

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

Interdisciplinary water research network building within Nordic and Baltic countries.

Sörensen, J., Kurki, V., Sidaraviciute, R., Ngari Kibocha, S., Retike, I., Ikobe, G., Tichonovas, M., Elijosiute, E. & Rajala, R., 2015, In : *Vatten*. 71, p. 79-83 5 p.

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

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

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

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

Jossakin vuoti öljy, muualla tihkuivat tiedot - etiikka katoavien rajojen ja suurten skandaalien aikakaudella

Lilja, K., 2015, *Silmät auki It-etiikkaan*. EDUSKUNNAN TULEVAISUUSVALIOKUNTA, p. 85-101 16 p. (Eduskunnan tulevaisuusvaliokunnan julkaisu; no. 12).

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

Kangasala-talo: Vanhan kulttuuripitäjän uusi kulttuuritalo

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

Research output: Contribution to journal › Article › Professional

Kattavasti rivitaloista

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

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

Kiviaines- ja luonnonkiviteollisuuden kehitysnäkymät

Loukola-Ruskeeniemi, K. (ed.), Lonka, H. (ed.), Ehrukainen, E., Gustafsson, J., Honkanen, M., Härmä, P., Jauhiainen, P., Kuula, P., Nenonen, K., Pellinen, T., Rintala, J., Selonen, O., Martikainen, M. & Aalto, M., 2015, Helsinki: Työ- ja elinkeinoministeriö. 72 p. (Työ- ja elinkeinoministeriön julkaisuja; vol. 2015, no. 54)

Research output: Book/Report › Commissioned report › Professional

Kohti tasapuolisempaa tutkimuksen arviointia: Pääkirjoitus

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

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

Koteja ja kokonaistaideteoksia

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

Research output: Contribution to journal › Article › Professional

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

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

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

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

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

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

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

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

Research output: Book/Report › Commissioned report › Professional

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

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

LTE Performance Analysis Using Queuing Systems with Finite Resources and Random Requirements

Naumov, V., Samouylov, K., Yarkina, N., Sopin, E., Andreev, S. & Samuylov, A., 2015, *2015 7th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT)*. IEEE, p. 100-103 4 p.

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

Management and Planning Under Complexities of Metro Construction

Khosravi, M. & Kähkönen, K., 2015, In : *Procedia Economics and Finance*. 21, p. 415-421 7 p.

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

Managing Cultural Knowledge in Project Execution

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

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

Managing software engineering competences with domain ontology for customer and team profiling and training

Robal, T., Ojastu, D., Kalja, A. & Jaakkola, H., 2015, *PICMET '15 : Proceedings, Management of the Technology Age, August 2 - 6, 2015*. Kocaoglu, D. (ed.). Portland, Oregon, USA: PICMET, p. 1369 - 1376 7 p.

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

Measurement of the Temporal Coherence of Supercontinuum Light

Närhi, M., Genty, G., Amiot, C., Dutta, R., Friberg, A. T., Dudley, J. M. & Turunen, J., 2015, *2015 European Conference on Lasers and Electro-Optics - European Quantum Electronics Conference*. OSA, EE_3_1

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

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

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

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

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

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

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

Mezhdunarodnaya konferencia po pozicionirovaniyu i navigacii vnutri pomeshhenij

Piche, R. A., 2015, In : *Giroskopiya I Navigatsiya*. 88, 1, p. 122-124

Research output: Contribution to journal › Article › Scientific

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

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

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

Monolithic GaInNAsSb/GaAs VECSEL emitting at 1550 nm

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

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

New mechanistic design approach for subgrade rutting of Low Volume Roads

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

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

New routes from cellulose to textile fiber and ready products

Nousiainen, P., Rissanen, M., Michud, A., Sixta, H., Hummel, M. & Setälä, H., 2015, *Proceedings of 15th Autex World Textile Conference, June 10-12, 2015, Bucharest, Romania*.

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

New tools to help in the recruitment process

Visa, A., Einolander, J. & Vanharanta, H., 2015, *6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015*. Elsevier, p. 653–659 7 p. (Procedia Manufacturing; vol. 3).

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

Non-Instantaneous Polarization Dynamics in Resonant Dielectrics

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

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

Novel Method For Online Stereo Self-Calibration

Melin, J. & Ritala, R., 2015, *XXI IMEKO World Congress "Measurements In Research and Industry"*.

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

Numerical modelling of rock fracture with the embedded discontinuity approach incorporating heterogeneity

Saksala, T., 2015, *ISRM Congress 2015 Proceedings: Innovations in Applied and Theoretical Rock Mechanics*.

International Society for Rock Mechanics ISRM, 11 p. 177

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

On Predicting Video Quality Expectations of Mobile Users

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

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

On service composition - dynamic formation and orchestration of service workflows

Lobov, A., 2015, *Open Knowledge-Driven Manufacturing and Logistics - The eScop Approach*. Strzelczak, S., Balda, P., Garetti, M. & Lobov, A. (eds.). Warsaw University of Technology Publishing House, p. 311-319 9 p.

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

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

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

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

Open knowledge-driven manufacturing & logistics - The eScop approach

Strzelczak, S. (ed.), Balda, P. (ed.), Garetti, M. (ed.) & Lobov, A. (ed.), 2015, Warsaw, Poland: Warsaw University of Technology Publishing House. 404 p.

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

Optimal operation of a three camera system on a four-wheel robot

Raunio, J-P., Ritala, R. & Välimäki, T., 2015, *IMEKO XXI World Congress, Fundamental and Applied Metrology, Proceedings, August 31-September 4, 2015, Prague, Czech Republic*. p. 968-973

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

Performance management practices in construction business - a service recovery perspective

Vuolle, M. & Sillanpää, V., 2015, *8th Conference on Performance Measurement and Management Control*. The European Institute for Advanced Studies in Management, EIASM, 17 p. (Conference on Performance Measurement and Management Control).

Photometric stereo system for detailed analysis of material surfaces

Mettänen, M., Melin, J. & Ihalainen, H., 2015, *IMEKO XXI World Congress, Measurement in Research and Industry, Proceedings, August 30 - September 4, 2015, Prague, Czech Republic*. 6 p.

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

Physical and chemical properties of real exhaust particle emissions from city buses

Pirjola, L., Dittrich, A., Niemi, J. V., Saarikoski, S., Malinen, A., Kuuluvainen, H., Wihersaari, H., Timonen, H., Kousa, A., Rönkkö, T. & Hillamo, R., 2015, *EAC 2015, European Aerosol Conference, 6-11 September, 2015, Milan, Italy*.

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

Piezoelectric sensitivity measurements of cellulose nanofibril sensors

Rajala, S., Vuoriluoto, M., Rojas, O., Franssila, S. & Tuukkanen, S., 2015, *IMEKO XXI World Congress, Proceedings, August 30 - September 4, 2015, Prague, Czech Republic*. Holub, J. (ed.). 5 p.

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

Postmodernismi Suomen rakennusperinnössä

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

Research output: Contribution to journal › Article › Professional

Potentials of web standards for automation control in manufacturing systems

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

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

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

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

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

Principles of designing for situation awareness

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

Research output: Working paper › Professional

Proactive vision for strategy making

Vanharanta, H. & Kantola, J., 2015, *6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015*. Elsevier, p. 587-594 8 p. (Procedia Manufacturing; vol. 3).

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

Proceedings of the 25th International Conference on Information Modelling and Knowledge Bases (EJC 2015), 8-12 June, 2015, Maribor, Slovenia

Welzer, T. (ed.), Hölbl, M. (ed.), Kiyoki, Y. (ed.), Thalheim, B. (ed.) & Jaakkola, H. (ed.), 2015, Maribor, Slovenia: University of Maribor, Faculty of Electrical Engineering and Computer Science.

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

Projektioppiminen yläkoulun matematiikassa

Viro, E. & Eriksson, S-L., 2015, In : *Lumat*. 3, 7, p. 1005-1009 5 p.

Research output: Contribution to journal › Article › Professional

Pseudo-Random Sequences in DQ-Domain Analysis of Feedforward Control in Grid-Connected Inverters

Roinila, T., Messo, T., Suntio, T. & Vilkkö, M., 2015, *17th IFAC Symposium on System Identification SYSID 2015 - Beijing, China, 19-21 October 2015*. p. 1301-1306 6 p. (IFAC-PapersOnLine; vol. 48, no. 28).

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

Public-sector as an Initiator in a Collaborative Innovation Process

Suominen, A. H., Mäenpää, S. & Breite, R., 2015, *The XXVI ISPIM Innovation Conference – Shaping the Frontiers of Innovation Management – Budapest, Hungary, 14-17 June 2015*. International Society for Professional Innovation Management ISPIM, 12 p.

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

Puu-Hubi: Perinteestä uusiin innovaatioihin

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

Research output: Book/Report › Commissioned report › Professional

Puurakentamisesta potkua alueiden ja kaupunkien kehittämiseen

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

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

Quantification of the ionic current contributions to alterations in the action potential repolarization by means of piecewise-linear approximation

Paci, M., Hyttinen, J. & Severi, S., 2015, *Computing in cardiology 2015*. p. 145-148 4 p. (Computing in Cardiology; vol. 42).

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

Quantitative structure tree models from terrestrial laser scanner data

Raumonen, P. A., 2015, *Proceedings of SilviLaser 2015: 14th conference on Lidar Applications for Assessing and Managing Forest Ecosystems*. p. 32-34 3 p.

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

Raitiotien seisakkeet: Yhdyskuntasuunnittelun jatkokurssi A ja B

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

Research output: Book/Report › Commissioned report › Professional

Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut: 20.-22.10.2015, Tampere. Seminaarijulkaisu 4

Vinha, J. (ed.) & Ruuska, T. (ed.), 2015, Tampere: Tampereen teknillinen yliopisto. Rakennustekniikan laitos. (Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, seminaarijulkaisu)

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

Rakennusten energiatehokkuuden parantamisen vaikutukset - Insulate-projektin tuloksia

Leivo, V., Turunen, M., Aaltonen, A., Kiviste, M., Pekkonen, M. & Haverinen-Shaughnessy, U., 2015, *Rakennusfysiikka 2015: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut, 20.-22.10.2015, Tampere*. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 369-380 12 p.

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

Rakennusten rakennusfysikaalisen suunnittelun ja toteutuksen periaatteet

Vinha, J., 2015, *Rakentajain kalenteri 2016*. Rakennustieto Oy, p. 399-426 28 p. (Rakentajain kalenteri; vol. 100).

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

Rakenteiden ääneneristyskyvystä asumismelun kokemiseen

Kylliäinen, M., 2015, *Rakentajain Kalenteri*. Helsinki: Rakennustieto Oy, p. 92-96 5 p.

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

Recent progress in wafer-fused VECSELS emitting in the 1310 nm waveband

Sirbu, A., Rantamäki, A., Iakolev, V., Mereuta, A., Caliman, A., Volet, N., Lyytikäinen, J., Okhotnikov, O. & Kapon, E., 2015, *Proceedings of SPIE vol. 8966, 2014.* Guina, M. (ed.). BELLINGHAM: SPIE, 7 p. (Proceedings of SPIE; vol. 9349).

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

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

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

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

Relational Capital for Shared Vision in Innovation Ecosystems

Russell, M. G., Huhtamäki, J., Still, K., Rubens, N. & Basole, R. C., 2015, In : *Triple Helix: A Journal of University-Industry-Government Innovation and Entrepreneurship*. 2, 1, 36 p.

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

Remarks on characterization of bent functions in terms of gibbs dyadic derivatives

Stanković, R. S., Astola, J. T., Moraga, C., Stanković, M. & Gajić, D., 2015, *Computer Aided Systems Theory – EUROCAST 2015: 15th International Conference, Las Palmas de Gran Canaria, Spain, February 8-13, 2015, Revised Selected Papers*. Springer, p. 632-639 8 p. (Lecture Notes in Computer Science; vol. 9520).

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

Resilient Asset Management and Governance Fordeteriorating Water Services Infrastructure

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

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

Riding for a fall in outsourced ISD: Knowledge transfer challenges between the onshore vendor and the offshored unit

Alanne, A. & Pekkola, S., 2015, *Achieving Success and Innovation in Global Sourcing: Perspectives and Practices: 9th Global Sourcing Workshop 2015, La Thuile, Italy, February 18-21, 2015, Revised Selected Papers*. Oshri, I., Kotlarsky, J. & Willcocks, L. (eds.). Germany: Springer Verlag, p. 124-140 17 p. (Lectures Notes in Business Information Processing; vol. 236).

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

Safety, Space and Structure Quality Requirements in Construction Scheduling

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

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

Savukaasun NOx-päästöjen epäsuora monitorointi maakaasukäyttöisissä polttolaitoksissa

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

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

Scanning of radioluminescence emission with a PMT for remote detection of alpha contamination

Sand, J., Ihantola, S., Nicholl, A., Hrneck, E., Toivonen, J., Toivonen, H. & Peräjärvi, K., 2015, *The European Conference on Lasers and Electro-Optics 2015*. Optical Society of America, CN_2_3

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

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

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

Research output: Book/Report › Commissioned report › Professional

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

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

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

Shadow Ghost Imaging in the Time Domain

Ryczkowski, P., Barbier, M., Friberg, A. T., Dudley, J. M. & Genty, G., 2015, *Frontiers in Optics 2015*. OSA, FW6C.1

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

Shared use of research laboratories Changing spatial concepts: A Case Study in a Finnish Biomedical Organization
Yläoutinen, J., Peltoniemi, S. & Nenonen, S., 2015, *Conference on Research on Health Care Architecture: ARCH 14 Conference Proceedings November 19-21, 2014, Espoo, Finland*. Helsinki, p. 183-197 15 p. (Aalto University publication series ART + DESIGN + ARCHITECTURE, 6/2015).

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

Simulation of ash-forming compounds in the kraft recovery boiler

Leppänen, A., Välimäki, E. & Oksanen, A., 2015, *10th European Conference on Industrial Furnaces and Boilers*. Porto, Portugal, 10 p.

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

Simulointi nopeuttaa käyttöiän määrittystä

Ojala, P., Saarenrinne, P., Miettinen, J., Multanen, P., Kiilunen, J., Hietala, J.-P., Kolu, A., Pippola, J., Mostofizadeh, M. & Ylönen, M., 2015, In : *Promaint*. 2, p. 24-27 4 p.

Research output: Contribution to journal › Article › Professional

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

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

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

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

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

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

Social capital in hybrid governance - Case study in a global subcontracting process

Mäenpää, S. & Breite, R., 2015, *Proceedings of the 24th Annual IPSERA Conference Preparing for new competitive challenges, March 29-April 1, Amsterdam, the Netherlands*. IPSERA

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

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

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

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

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

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

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

Stirring the Construction Project Management with Co-creation and Continuous Improvement

Savolainen, J., Kähkönen, K., Niemi, O., Poutanen, J. & Varis, E., 2015, In : *Procedia Economics and Finance*. 21, p. 64-71 8 p.

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

Strategic planning and epistemology of change: Probing the fitness of urban and planning systems with resilient spatial strategies

Rantanen, A. & Joutsiniemi, A., 2015, *Sustainable Futures in a Changing Climate: Proceedings of the Conference "Sustainable Futures in a Changing Climate", 11-12 June 2014, Helsinki, Finland*. Hatakka, A. & Vehmas, J. (eds.). Turku: Finland Futures Research Centre, University of Turku, Vol. 2/2015. p. 336-347 12 p. (FFRC eBOOK 2/2015).

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

Surrogate model for rotational stiffness of welded tubular Y-joints

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

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

Sustainable and responsible freight transport through public-private collaboration: Finnish road freight responsibility model
Nykänen, L., Rantala, J. & Liimatainen, H., 2015, *NOFOMA 2015: Post Conference Proceedings, Molde, 3-5 June 2015, Nordic Logistics Research Network*. Nordic Logistics Research Network Publisher , p. 238-252 15 p.

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

Sustainable Design Studio 2014

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

Research output: Book/Report › Commissioned report › Professional

Suunnittelutyökalu putkiristikoiden mitoitukseen ja optimointiin

Mela, K., Alinikula, M., Tiainen, T., Heinisuo, M. & Sorsa, I., 2015, *Proceedings of the XII Finnish Mechanics Days. Suomen XII Mekaniikkapäivien esitelmät*. Rakenteiden Mekaniikan Seura ry, p. 136-141 6 p.

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

Systematic Literature Review on Enterprise Architecture in the Public Sector

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

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

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

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

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

Tammerkoski ja Hämeenkatu Tampereen arkkitehtonisen identiteetin ankkureina

Koponen, O-P., 2015, *Tampereen tarina: Teollisuuden synnyttämä kaupunki harjujen ja järvien solmukohdassa*.

Hautamäki, R. (ed.). Kaupunkiympäristön kehittäminen: Tampereen kaupunki, Vol. Julkaisuja 5/2015. p. 35-42 8 p. (Tampereen kaupunki/Kaupunkiympäristön kehittäminen; vol. 5/2015).

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

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

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

Research output: Contribution to journal › Article › Professional

Taskinen yksissä kansissa

Passinmäki, P., 2015, In : *Arkkitehti*. 2, p. 89-90 2 p.

Research output: Contribution to journal › Article › Professional

Temperature Effect on Breakdown Performance of Insulating Polymer Thin Films

Ritamäki, M., Rytöluoto, I. & Lahti, K., 2015, *24th Nordic Insulation Symposium on Materials, Components and Diagnostics, Proceedings*. p. 75-79 4 p. (Proceedings of the Nordic Insulation Symposium; no. 24).

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

Temporal Ghost Imaging

Ryczkowski, P., Barbier, M., Friberg, A. T., Dudley, J. M. & Genty, G., 2015, *Frontiers in Optics 2015*. OSA, FTh4D.4

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

Teräsristikon paarteiden liitoksen vapaan välin leikkausvoiman arviointi

Tiainen, T. & Heinisuo, M., 2015, *Proceedings of the XII Finnish Mechanics Days. Suomen XII Mekaniikkapäivien esitelmät*. Rakenteiden Mekaniikan Seura ry, p. 30-35 6 p.

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

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

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

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

The Company Democracy Model for the Development of Intellectual Human Capitalism for Shared Value

Markopoulos, E. & Vanharanta, H., 2015, *6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015*. Elsevier, p. 603-610 8 p. (Procedia Manufacturing; vol. 3).

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

The effect of physical adhesion promotion treatments on interfacial adhesion in cellulose-epoxy composite

Siljander, S., Lehmonen, J., Tanaka, A., Ketoja, J., Heikkilä, P., Lahti, J., Sarlin, E. & Vuorinen, J., 2015, *Proceedings of the 20th International Conference on Composite Materials*. 10 p.

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

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

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

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

The Extended 1-D (One-Dimensional) Discrete Phase Retrieval Problem

Rusu, C. & Astola, J., 2015, *Computer Aided Systems Theory – EUROCAST 2015: 15th International Conference, Las Palmas de Gran Canaria, Spain, February 8-13, 2015, Revised Selected Papers*. Springer, p. 640-647 8 p. (Lecture Notes in Computer Science; vol. 9520).

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

The Fourteenth Scandinavian International Conference on Fluid Power, SICFP15: Proceedings

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

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

The Fourteenth Scandinavian International Conference on Fluid Power, SICFP15: Abstracts

Laamanen, A. (ed.) & Huhtala, K. (ed.), 2015, Tampere University of Technology, Department of Intelligent Hydraulics and Automation. 100 p.

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

The New Era of Crowdsourcing — Industrial Crowdsourcing

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

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

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

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

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

Thermomechanical properties of overmold epoxies in MEMS packaging

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

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

The role of film processing in the large-area dielectric breakdown performance of nano-silica-BOPP films

Rytöluoto, I., Lahti, K., Ritamäki, M. & Karttunen, M., 2015, *24th Nordic Insulation Symposium on Materials, Components and Diagnostics (NORD-IS), Proceedings*. Copenhagen, Denmark, 6 p. (Proceedings of the Nordic Insulation Symposium; no. 24).

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

The role of product retailers' service adoption in services introduction - A case of services supplementing consumer durables.

Nenonen, S. & Vaittinen, E., 2015, *The 14th International Research Symposium on Service Excellence in Management: QUIS14*. Zhao, X., Zhang, J. J. & Han, H. J. (eds.). Shanghai, p. 762-771 10 p.

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

The target reliability of the eurocodes

Poutanen, T., 2015, *Safety, Robustness and Condition Assessment of Structures*. International Association for Bridge and Structural Engineering (IABSE), p. 202-208 7 p. (IABSE Symposium Report).

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

The World Innovation Stock Exchange- shared value for individuals, business and society

Markopoulos, E. & Vanharanta, H., 2015, *6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015*. Elsevier, p. 595-602 8 p. (Procedia Manufacturing; vol. 3).

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

Towards Business Potential of Workplace Services in Finland

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

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

Towards Capturing Interaction in the Interactive Use of Controls - The Role of Reflection

Suomala, P. & Hilden, S., 2015, *8th conference on performance measurement and management control, Nice, France, September 30 October 2, 2015*. (Conference on performance measurement and management control).

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

Towards high power flip-chip long-wavelength semiconductor disk lasers

Rantamäki, A., Saarinen, E., Lyytikäinen, J., Heikkinen, J., Lahtonen, K., Valden, M. & Okhotnikov, O., 2015, *Proceedings of SPIE*. SPIE, Vol. 9349.

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

Towards Traditional Simulation Models of Context Using Process Mining

Pileggi, P., Rivero-Rodriguez, A. & Nykänen, O., 2015, *Computational Intelligence, Communication Systems and Networks (CICSyN), 2015 7th International Conference on*. IEEE, p. 70-75 6 p.

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

Townhouse-talotyypin rakennuskustannukset: kolmen suunnitteluratkaisun taloudellisuuden analysointi

Saari, A. & Tauriainen, M., 2015, *Nollaa parempi – Townhouse energiatehokkaassa asuinrakentamisessa*. Aalto-yliopisto, p. 94-97 4 p. (Aalto University publication series Crossover; no. 9/2015).

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

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

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

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

Triboelectric charging of fungal spores during resuspension and rebound

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

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

Tunable nonlinear effects through focused spatially phase-shaped beams

Turquet, L., Bautista, G., Karvonen, L., Dhaka, V., Chen, Y., Jiang, H., Huhtio, T., Lipsanen, H. & Kauranen, M., 2015, *European Quantum Electronics Conference 2015*. Optical Society of America, EG_P_11

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

Tunable second-harmonic generation in a single nanostructure

Turquet, L., Bautista, G., Kakko, J.-P., Karvonen, L., Dhaka, V., Chen, Y., Jiang, H., Huhtio, T., Lipsanen, H. & Kauranen, M., 2015, *The Eleventh Finland-Japan Joint Symposium on Optics in Engineering*. 2 p.

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

Two models for hydraulic cylinder

Ylinen, A., Kouhia, R. & Mäkinen, J., 2015, *2nd International Conference on Multi-Scale Computational Methods for Solids and Fluids: ECCOMAS MSF 2015*. Ibrahimbegović, A., Ademović, N., Ilić-Georgijević, E., Serdarević, A., Hrasnica, M. & Dolarević, S. (eds.). Sarajevo, p. 115-116 2 p.

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

Ulkoisien rakennusfysikaaliset riskit ja pitkäaikaiskestävät ratkaisut

Salonen, J., Laukkanen, A. & Vinha, J., 2015, *Korjaa ja korota: Kerrostalojen korjaamisen ja lisäkerrosten rakentamisen ratkaisuja*. Soikkeli, A., Koiso-Kanttila, J. & Sorri, L. (eds.). Oulu, Finland: Oulun yliopisto, Vol. 62. p. 74-81 8 p. (Oulun yliopisto, arkkitehtuurin osasto. A. Julkaisu).

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

Using context overlays to analyse the role of a priori information with Process Mining

Pileggi, P., Rivero Rodriguez, A. & Nykänen, O., 2015, *2015 IEEE International Systems Conference (SysCon 2015) Proceedings*. Vancouver, BC, Canada: IEEE, p. 639-644 6 p.

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

Uusia tuulia Euroopasta

Lehtovuori, P., 2015, *Asukkaan ehdoilla: moninaisuutta asumamuotoihin*. Helsinki: Rakennustieto Oy, p. 42-59 18 p.

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

Uusi Rakennusfysiikan käsikirja

Vinha, J., 2015, *Sisäilmastoseminaari 2015*. p. 167-172 6 p. (Sisäilmastoyhdistys raportti; no. 33).

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

Varmuuden kohdentaminen geotekniikassa, miten Eurokoodeja voisi kehittää?

Länsivaara, T., 2015, *Geotekniikan päivä 2015*. SGY

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

Voimalaitosten reaaliaikainen ympäristövaikutusten monitorointi

Majanne, Y., Korpela, T., Judl, J., Koskela, S., Laukkanen, V., Häyrinen, A. & Salminen, O., 2015, *Automaatio XXI seminaari*. Jämsä-Jounela, S.-L. (ed.). Suomen Automaatioseura, p. 1-6 6 p. (SAS julkaisusarja; no. 44).

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

Water services heritage and institutional diversity

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

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

Wireless Authentication using OPACITY Protocol

Petrov, V., Bezzateev, S. & Zybin, V., 2015, *2015 7th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT)*. IEEE, p. 253-258

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

Wood compression model for radial compression of earlywood and latewood

Moilanen, C., Björkqvist, T. & Saarenrinne, P., 2015, *Proceedings of the XII Finnish Mechanics Days*. Rakenteiden Mekaniikan Seura ry, p. 261-266 6 p.

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

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

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

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

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

Koivisto, A. J., Jensen, A. C. Ø., Levin, M., Kling, K. I., Maso, M. D., Nielsen, S. H., Jensen, K. A. & Koponen, I. K., 1 Jan 2015, In : *Environmental Sciences: Processes and Impacts*. 17, 1, p. 62-73 12 p.

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

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

Knyazev, S., Tarakanov, S., Kuznetsov, V., Porozov, Y., Koucheryavy, Y. & Stepanov, E., 6 Jan 2015, *2014 6th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT)*. p. 260-262 3 p.

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

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

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

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

Characteristics of Digital Hydraulics with Commercial Controllers

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

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

Numerically Efficient Flow Model for On/Off Valves

Linjama, M., Siivonen, L. & Huova, M., Feb 2015, *Proceedings of the Seventh Workshop on Digital Fluid Power*. Scheidl, R., Winkler, B. & Kogler, H. (eds.). Linz, Austria: LCM GmbH, p. 164-172

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

Advanced coatings by novel high-kinetic thermal spray processes

Matikainen, V., Koivuluoto, H., Milanti, A. & Vuoristo, P., 9 Feb 2015, In : *Materia*. 73, 1, p. 46-50 5 p.

Research output: Contribution to journal › Article › Professional

LTE indoor MIMO performances field measurements

Nguyen-Thanh, D., Le-Tien, T., Bui-Thu, C. & Le-Thanh, T., 17 Feb 2015, *International Conference on Advanced Technologies for Communications*. IEEE, p. 84-89 6 p.

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

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

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

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

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

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

Research output: Contribution to journal › Article › Scientific

Uudet arkkitehtoniset ratkaisumallit muuttavat kampuksien ilmettä

Poutanen, J., Peltoniemi, S. & Pihlajarinne, N., Mar 2015, *Oppiva kampus: How to co-create campus?*. Nenonen, S., Kärrnä, S., Junnonen, J.-M., Tähtinen, S. & Sandström, N. (eds.). Tampere: Suomen Yliopistokiinteistöt Oy, p. 72-93 22 p.

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

Generalized hyperbolic harmonic functions in the plane

Eriksson, S.-L., Orelma, H. & Vuojamo, V., 10 Mar 2015, *Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2014 (ICNAAM-2014)*. American Institute of Physics Inc., Vol. 1648. 440007
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Exploring effects of ecosystem clockspeed on product performance

Mäkinen, S. J., Dedehayir, O. & Ortt, R., 11 Mar 2015, *IEEE International Conference on Industrial Engineering and Engineering Management*. IEEE COMPUTER SOCIETY PRESS, Vol. 2015-January. p. 1457-1461 5 p. 7058880
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Internet-of-things disrupting business ecosystems: A case in home automation

Mäkinen, S. J., 11 Mar 2015, *IEEM 2014: 2014 IEEE International Conference on Industrial Engineering and Engineering Management*. IEEE COMPUTER SOCIETY PRESS, p. 1467-1470 4 p.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Kosteus- ja mikrobivaurioiden laajuus kuntien rakennuksissa

Annala, P., Hellemaa, M., Suonketo, J. & Pentti, M., 11 Mar 2015, *Sisäilmastoseminaari 2015 SIY Raportti 33, Messukeskus, Helsinki 11.3.2015*. Säteri, J. & Ahola, M. (eds.). Juva, p. 95-100 6 p. (SIY Raportti; vol. 33).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific

Tampereen matemaattisten aineiden aineenopettajakoulutus

Eriksson, S.-L., Haukkanen, P., Hukka, T. I. & Lemmetyinen, H., 11 Mar 2015, In : *Lumat*. 3, 6, p. 800-807 8 p.
Research output: Contribution to journal > Article > Professional

Valtion tukemien homekorjaushankkeiden arviointi (HKPro 2)

Marttila, T., Suonketo, J., Kero, P., Annala, P. & Pentti, M., 11 Mar 2015, *Sisäilmastoseminaari 2015 SIY Raportti 33, Messukeskus, Helsinki 11.3.2015: Sisäilmastoseminaari*. Säteri, J. & Ahola, M. (eds.). Juva, Vol. Sisäilmayhdistys raportti 33. p. 101-106 6 p.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific

Valtion tukemien homekorjaushankkeiden arviointi -jatkotutkimus (HKPro 3)

Annala, P., Marttila, T., Kero, P., Suonketo, J. & Pentti, M., 11 Mar 2015, *Sisäilmastoseminaari 2015 SIY Raportti 33, Messukeskus, Helsinki 11.3.2015*. Säteri, J. & Ahola, M. (eds.). Juva, Vol. Sisäilmayhdistys raportti 33. p. 107-112 6 p. (Sisäilmayhdistys).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific

Composite Nonlinear Feedback Control of a Chemical Reactor

Pyrhönen, V-P. & Koivisto, H., 18 Mar 2015, *Proceedings of AutomaatioXXI, The Industrial Revolution of Internet – From Intelligent Devices to Networked Intelligence*. Helsinki, Finland: Suomen Automaatioseura ry, (SAS julkaisusarja; vol. 44).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Systematic approach to secure automation – coordinated voltage control use-case

Salmenperä, M., Seppälä, J., Koivisto, H., Lu, S. & Repo, S., 18 Mar 2015, *Proceedings of AutomaatioXXI, The Industrial Revolution of Internet – From Intelligent Devices to Networked Intelligence*. Helsinki, Finland: Suomen Automaatioseura ry, (SAS Julkaisusarja; vol. 44).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Towards automation security research and training environment

Seppälä, J., Salmenperä, M., Koivisto, H., Harju, J., Repo, S., Holmström, J. & Ahonen, P., 18 Mar 2015, *Proceedings of Automaatio XXI, The Industrial Revolution of Internet – From Intelligent Devices to Networked Intelligence*. Helsinki, Finland: Suomen Automaatioseura ry, (SAS Julkaisusarja; vol. 44).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Joustavat asuinympäristöt: 10 visiota aikaa kestäväään kaupunkiasumiseen

Kotilainen, S. (ed.), Hedman, M. (ed.) & Heikkinen, J. (ed.), 31 Mar 2015, Tampere: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos. 268 p. (Housing Design)
Research output: Book/Report > Anthology > Professional

Matkalla joustaviin asuinympäristöihin

Kotilainen, S., 31 Mar 2015, *Joustavat asuinympäristöt: 10 visiota aikaa kestävään kaupunkiasumiseen*. Tampere: Tampereen teknillinen yliopisto. Arkkitehtuurin laitos, Vol. 16. p. 10-13 4 p. 1. (Housing Design; vol. 16).
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Professional

On improvement of transient stage of composite nonlinear feedback control using arbitrary order set point filters

Pyrhönen, V-P. & Koivisto, H., 1 Apr 2015, *2014 IEEE International Conference on Control System, Computing and Engineering (ICCSCE)*. Institute of Electrical and Electronics Engineers IEEE, p. 147 - 152 6 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Cancer research in the era of next-generation sequencing and big data calls for intelligent modeling

Yli-Hietanen, J., Ylipää, A. & Yli-Harja, O., 11 Apr 2015, In : *Chinese Journal of Cancer*. 34, 10, 12.
Research output: Contribution to journal › Article › Scientific › peer-review

Comparison of Sintering Methods and Conductive Adhesives for Interconnections in Inkjet-Printed Flexible Electronics

Niittynen, J., 24 Apr 2015, Tampere University of Technology. 62 p. (Tampere University of Technology. Publication; vol. 1291)
Research output: Book/Report › Doctoral thesis › Collection of Articles

Hydraulic Hybrid Actuator: Theoretical Aspects and Solution Alternatives

Linjama, M., Huova, M., Pietola, M., Juhala, J. & Huhtala, K., May 2015, *Proceedings of the Fourteenth Scandinavian International Conference on Fluid Power*. Laamanen, A., Huhtala, K. & Uusi-Heikkilä, J. (eds.). Tampere: Tampere University of Technology, 11 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

On the choice of damage variable in the continuum fatigue model based on a moving endurance surface

Saksala, T., Holopainen, S. & Kouhia, R., May 2015, *Proceedings of the XII Finnish Mechanics Day*. p. 57-62 6 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Vehicle Mass Estimation for Hydraulic Drive System using Longitudinal Motion Model

Ahopelto, M., Krogerus, T. & Huhtala, K., May 2015, *The Fourteenth Scandinavian International Conference on Fluid Power, SICFP15*. Tampere University of Technology. Department of Intelligent Hydraulics and Automation, p. 433-442 10 p. (The Fourteenth Scandinavian International Conference on Fluid Power, SICFP15).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Feasibility of electric buses in public transport

Vilppo, O. & Markkula, J., 3 May 2015, *EVS28 28th International Electric Vehicle Symposium and Exhibition*. 9 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

Dynamics of rogue wave and soliton emergence in spontaneous modulation instability

Toenger, S., Godin, T., Billet, C., Dias, F., Erkintalo, M., Genty, G. & Dudley, J. M., 4 May 2015, *CLEO: QELS - Fundamental Science, CLEO_QELS 2015*. Optical Society of America (OSA), 2 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

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

Fischer, H., Laamanen, A., Iso-Heiko, A., Schäfer, O., Karvonen, M., Karhu, O., Huhtala, K., Pulkkinen, V-P. & Huttunen, A., 20 May 2015, *Proceedings of The Fourteenth Scandinavian International Conference on Fluid Power, SICFP15*. Laamanen, A. & Huhtala, K. (eds.). p. 644-654 11 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Fault Tolerance of Digital Hydraulics in High Dynamic Hydraulic System

Siiwonon, L., Linjama, M., Huova, M., Försterling, H., Stamm, E. & Deubel, T., 20 May 2015, *The Fourteenth Scandinavian International Conference on Fluid Power*. 1 ed. Tampere, Finland, Vol. 1. 11 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Oppivan organisaation kehittäminen osaavaksi organisaatioksi. Tapaustutkimus suomalaisessa teollisuusyriyöksessä
Hagman, S., 22 May 2015, Tampere University of Technology. 209 p. (Tampere University of Technology. Publication; vol. 1296)

Research output: Book/Report › Doctoral thesis › Monograph

Microbotic system for multi-rate measurement of bio-based fibres Z-directional bond strength

Latifi, S. K., Saketi, P. & Kallio, P., 24 May 2015, In : Journal of Micro-Bio Robotics. 10, 1, p. 13-26 14 p., 1.

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

Boundary Integral Operators in Linear and Second-order Nonlinear Nano-optics

Mäkitalo, J., 29 May 2015, Tampere University of Technology. 73 p. (Tampere University of Technology. Publication; vol. 1297)

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

Brownfield Process: A Method for the Rationalisation of Existing Product Variety towards a Modular Product Family

Pakkanen, J., 29 May 2015, Tampere University of Technology. 283 p. (Tampere University of Technology. Publication; vol. 1299)

Research output: Book/Report › Doctoral thesis › Monograph

On the Socio-Technical Dependencies in Free/Libre/Open Source Software Projects

Syeed, M. M. M., 29 May 2015, Tampere University of Technology. (Tampere University of Technology. Publication; vol. 1300)

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

Decision making on sustainability in product development projects

Martinsuo, M. & Arvio, I., Jun 2015, *15th Annual Conference of EURAM European Academy of Management: EURAM 2015*. Warsaw: European Academy of Management, EURAM

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

Dual-Mode Behavior in Multi-Section DFB Semiconductor Lasers with Laterally-Coupled Ridge-Waveguide Surface Gratings

Uusitalo, T., Virtanen, H., Viheriälä, J., Salmi, J. O., Aho, A. & Dumitrescu, M., Jun 2015, *The European Conference on Lasers and Electro-Optics 2015*. OSA - The Optical Society, CB_P_26

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

Education and Materials Joining Research methods at Tampere University of Technology

Peura, P., Vuoristo, P. & Vihinen, J., Jun 2015, In : *Hitsaustekniikka*. 65, 2-3/2015, p. 73-76 4 p.

Research output: Contribution to journal › Article › Professional

Enhancing the supplier's third-party relationships in construction projects

Sariola, R. & Martinsuo, M., Jun 2015, *The Bartlett IRNOP 2015: International Research Network on Organizing by Projects Conference*. IRNOP, 21 p.

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

Kangasalan Lamminrahka. Yhdyskuntasuunnittelun ammattikurssi 1 2015

Rajaniemi, J. (ed.), Thureson, J. (ed.) & Chudoba, M. (ed.), Jun 2015, Tampere: Tampere University of Technology, School of Architecture. 92 p.

Research output: Book/Report › Commissioned report › Professional

Moving manufacturing back: a content-based literature review

Stentoft, J., Olhager, J., Heikkilä, J. & Thoms, L., Jun 2015, *22nd EurOMA Conference: Operations management for sustainable competitiveness*. Neuchatel, Switzerland

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

Raudoitetun betonirakenteen taivutuksen mallintaminen Ansys-ohjelmalla

Pietilä, J. & Mäkinen, J., Jun 2015, *Proceedings of the XII Finnish Mechanics Days*. Kouhia, R., Mäkinen, J., Pajunen, S. & Saksala, T. (eds.). Helsinki: Rakenteiden Mekaniikan Seura ry, p. 91-96 7 p.

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

Remote monitoring systems as enablers for project-related services

Momeni, K. & Martinsuo, M., Jun 2015, *IRNOP 2015: International Research Network on Organizing by Projects Conference*. IRNOP, 23 p.

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

Are Finns walking the talk?: Examining the national collaboration process on engineering education for sustainable development five years later

Takala, A. & Korhonen-Yrjänheikki, K., 1 Jun 2015, *Conference on Engineering Education for Sustainable Development (7th : 2015 : Vancouver, B.C.)*.

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

Distributed power allocation over indoor multi-pico stations

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

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

An example of scenario-based evaluation of military capability areas An impact assessment of alternative systems on operations

Suojanen, M., Kuikka, V., Nikkarila, J. P. & Nurmi, J., 2 Jun 2015, *9th Annual IEEE International Systems Conference, SysCon 2015 - Proceedings*. The Institute of Electrical and Electronics Engineers, Inc., p. 601-607 7 p.

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

Feasibility study of the THz band for communications between wearable electronics

Petrov, V., 3 Jun 2015, *2015 17th Conference of Open Innovations Association (FRUCT), 20-24 April 2015, Yaroslavl*. . IEEE, p. 157-162 6 p. (Conference of Open Innovations Association (FRUCT)).

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

Performance comparison of selected wired and wireless networks on chip architectures

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

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

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

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

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

Model-Driven Development of Control Applications: On Modeling Tools, Simulations and Safety

Vepsäläinen, T., 5 Jun 2015, Tampere University of Technology. 115 p. (Tampere University of Technology. Publication; vol. 1303)

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

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

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

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

User experience in technology investment decisions of industrial firms

Sundberg, H-R. & Seppänen, M., 10 Jun 2015, *22nd Innovation & Product Development Management Conference, IPDMC*. Copenhagen: EIASM

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

Visual tools to support innovation development: User experiences from the Parisian ecosystem

Russell, M. G., Still, K. & Huhtamäki, J. V., 10 Jun 2015, *Proceedings of the International Forum on Knowledge Asset Dynamics, 10-12 June 2015, Bari, Italy: IKFAD 2015*. Institute of Knowledge Asset Management & Arts for Business Institute, 14 p.

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

Distributors As Market Orientation Agents in Innovation Development and Commercialization.

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

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

Examining Innovation Barriers along Innovation Process in Multi-Industry Hygiene-Technology Network.

Mäkitalo-Keinonen, T. & Aarikka-Stenroos, L., 14 Jun 2015, *The Proceedings of the XXVI ISPIM Conference 2015 Budapest, Hungary*. Denmark: International Society for Professional Innovation Management ISPIM, 15 p.

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

Meeting radical change: SMEs and innovation capabilities and strategic foresight

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

International Society for Professional Innovation Management ISPIM

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

Second-harmonic generation from thermally-evaporated indium selenide thin films

Slablab, A., Divya, S., Koskinen, K., Czaplicki, R., Kailasnath, M., Radhakrishnan, P. & Kauranen, M., 21 Jun 2015, *The European Conference on Lasers and Electro-Optics 2015: Munich Germany 21–25 June 2015*. Optical Society of America, p. CE_12_4

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

High power GalnNAs VECSEL emitting at 1230/615 nm

Penttinen, J-P., Leinonen, T., Korpijärvi, V-M., Kantola, E. & Guina, M., 22 Jun 2015, *The European Conference on Lasers and Electro-Optics 2015*. OSA

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

High repetition rate 1.34 μm Nd:YVO4 microchip laser Q-switched with GalnNAs SESAM

Nikkinen, J., Korpijärvi, V-M., Leino, I., Härkönen, A. & Guina, M., 22 Jun 2015, *The European Conference on Lasers and Electro-Optics 2015*. OSA, CA_5b_1

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

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

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

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

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

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

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

Blind estimation of speckle variance in synthetic aperture radar images

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

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

Experimental study of bispectrum-based encoding in radio communication system

Naumenko, V. V., Solodovnik, V. F., Totsky, A. V., Zelensky, A. A. & Astola, J. T., 25 Jun 2015, *2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings*. The Institute of Electrical and Electronics Engineers, Inc., 3 p.

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

Studies of Physical Phase State of Aerosol Nanoparticles

Saukko, E., 26 Jun 2015, Tampere University of Technology. 51 p. (Tampere University of Technology. Publication; vol. 1308)

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

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

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

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

Network archetypes in the network formation phase - case new market entry of Finnish maritime network

Suominen, A. & Breite, R., 29 Jun 2015, *22nd International Annual EurOMA Conference Neuchâtel, Switzerland 28 June – 1 July 2015*. 10 p.

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

Accessible Games for Blind Children, Empowered by Binaural Sound

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

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

Evaluating the electrode measurement sensitivity of subdermal electroencephalography electrodes

Mendes, M. R., Subramaniyam, N. P. & Wendel-Mitoraj, K., 1 Jul 2015, *International IEEE/EMBS Conference on Neural Engineering, NER*. IEEE COMPUTER SOCIETY PRESS, Vol. 2015-July. p. 1092-1095 4 p.

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

On the threshold based neuronal spike detection, and an objective criterion for setting the threshold

Tanskanen, J. M. A., Kapucu, F. E. & Hyttinen, J. A. K., 1 Jul 2015, *International IEEE/EMBS Conference on Neural Engineering, NER*. IEEE COMPUTER SOCIETY PRESS, p. 1016-1019 4 p.

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

Recurrence network analysis of wide band oscillations of local field potentials from the primary motor cortex reveals rich dynamics.

Subramaniyam, N. P., Hyttinen, J., Hatsopoulos, N. G. & Takahashi, K., 1 Jul 2015, *International IEEE/EMBS Conference on Neural Engineering, NER*. IEEE COMPUTER SOCIETY PRESS, p. 960-963 4 p.

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

Vision-based path coordination for multiple mobile robots with four steering wheels using an overhead camera

Ziaei, Z., Oftadeh, R. & Mattila, J., 1 Jul 2015, *IEEE International Conference on Advanced Intelligent Mechatronics (AIM), 2015*. p. 261-268 8 p.

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

Enablers and barriers of inter-organizational network's formation for new market entry: case Finnish maritime industry

Suominen, A., 3 Jul 2015, *31st EGOS Colloquium, General Theme, Organizations and the Examined Life: Reason, Reflexivity and Responsibility, July 2–4, 2015 Athens, Greece*. SAGE Publications, 30 p. (Organization Studies).

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

Learning maths with mobiles: Cross-cultural design of technology with experiences in South-Africa and Finland

Vainio, T. & Walsh, T., 13 Jul 2015, *Integrating Touch-Enabled and Mobile Devices into Contemporary Mathematics Education*. IGI Global, p. 79-96 18 p.

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

Data-Driven Approach for Analysis of Performance Indices in Mobile Work Machines

Väyrynen, T., Peltokangas, S., Anttila, E. & Vilkkio, M., 19 Jul 2015, *DATA ANALYTICS 2015, The Fourth International Conference on Data Analytics*. Klemas, T. & Chan, S. (eds.). p. 81-86 7 p.

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

Microbotic platform with integrated force sensing microgrippers for characterization of fibrous materials: Case study on individual paper fibers

Saketi, P., 21 Jul 2015, Tampere: Tampere University of Technology. 116 p. (Tampere University of Technology. Publication; vol. 1309)

Research output: Book/Report › Doctoral thesis › Monograph

Customized service solutions for project business

Martinsuo, M. & Momeni, K., Aug 2015, *23rd Nordic Academy of Management Conference 2015*. Nordic Academy of Management, 21 p.

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

Defining product end-of-life strategies in new product development.

Martinsuo, M., Sukanen, I. & Kivilä, J., Aug 2015, *23rd Nordic Academy of Management Conference NFF 2015- Business in society: NFF 2015*. Nordic Academy of Management, 16 p.

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

Knowledge Management operationalization – how it differs in large enterprises and SMEs in Finland

Väyrynen, H. & Helander, N., Aug 2015, (Unpublished) *23rd Nordic Academy of Management Conference: NFF 2015*. Nordic Academy of Management, p. 1-27 27 p.

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

Project control toward lifecycle value at the front end of delivery projects

Martinsuo, M. & Vuorinen, L., Aug 2015, *23rd Nordic Academy of Management Conference : NFF 2015*. Nordic Academy of Management, 21 p.

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

Identifying critical technology actors in waste flow management

Peltola, T. & Mäkinen, S., 1 Aug 2015, *PICMET'15 Conference, Management of the Technology Age: August 2-6, 2015, Hilton Portland and Executive Tower, Portland, Oregon, USA*. United States: Portland International Center for Management of Engineering and Technology, p. 2027-2031 5 p.

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

Towards a Classification Schema for Development Technologies: an Empirical Study in the Avionic Domain

Taibi, D., Lenarduzzi, V., Dieudonne, L. & Plociennik, C., 1 Aug 2015, In : *INTERNATIONAL JOURNAL ON ADVANCES IN SOFTWARE*. 8, 1&2, p. 125-135 11 p.

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

The Role of Customer Experience in Value Creation in Business-to-Business Context

Väyrynen, H., Vasell, T., Helander, N., Boedeker, M. & Andersson, T., 12 Aug 2015, (Unpublished) *23rd Nordic Academy of Management Conference: NFF 2015*. Nordic Academy of Management, p. 146 1 p. 24.02

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

Lasitettujen parvekkeiden ja terrassien käyttäytyminen tulipaloissa

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

Research output: Contribution to journal › Article › Professional

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

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

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

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

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

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

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

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

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

Älykäs kaupunkilogistiikka – CityLog

Nykänen, L., Kallionpää, E. & Liimatainen, H., Sep 2015, Tampereen teknillinen yliopisto. Liikenteen tutkimuskeskus Verne. 20 p. (Tampereen teknillinen yliopisto. Liikenteen tutkimuskeskus Verne. Tutkimusraportti)

Research output: Book/Report › Commissioned report › Professional

Augmenting Technology Trees: Automation and Tool Support

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

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

Effects of surface cracks and strain rate on the tensile behavior of Balmoral Red granite

Mardoukhi, A., Hokka, M. & Kuokkala, V.-T., Sep 2015, *11th International Conference on the Mechanical and Physical Behaviour of Materials Under Dynamic Loading*. EDP Sciences, 02007

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

Exhaust Particles and NOx Emission Factors of a Modern Heavy Duty Truck equipped with the SCR in Real-world Driving Conditions

Saari, S., Karjalainen, P., Pirjola, L., Ntziachristos, L., Keskinen, J. & Rönkkö, T., Sep 2015, *EAC 2015, European Aerosol Conference, 6-11 September, 2015, Milan, Italy*.

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

Generation of Characteristic Traffic Emission Aerosol in Particulate Filter Collection Efficiency Tests

Saari, S., Karjalainen, P., Kalliohaka, T., Taipale, A. & Rönkkö, T., Sep 2015, *EAC 2015, European Aerosol Conference, 6-11 September, 2015, Milan, Italy*.

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

How to support managers' commitment to safety management and leadership in organizations: good practices from the managers' viewpoint

Tappura, S., Nenonen, N. & Kivistö-Rahnasto, J., Sep 2015, *WOS 8th international conference - Book of Abstracts*.

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

Personal constructs concerning safety and atmosphere

Porkka, P., Laukkanen, I. & Kivistö-Rahnasto, J., Sep 2015, *WOS 8th international conference - Book of Abstracts*.

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

Standardizing the service delivery system for repetitive industrial services

Poikonen, E., Martinsuo, M. & Nenonen, S., Sep 2015, *RESER 2015: 25th Annual RESER Conference*. RESER European Association for Research on Services, 20 p.

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

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

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

103-104 2 p.

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

Use of equipment lifecycle data in industrial services

Ocaña Flores, M. & Martinsuo, M., Sep 2015, *RESER 2015: 25th Annual RESER Conference*. Copenhagen: RESER European Association for Research on Services, 20 p.

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

1800-luvun Helsingin kadonneiden konserttitilojen akustiikan mallintaminen

Niemi, H., Kylliäinen, M., Jäppinen, J. & Lindqvist, M., 1 Sep 2015, *Akustiikkapäivät 2015*. Kuopio, p. 77-82 6 p. (Akustiikkapäivät).

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

Asuinhuoneistojen betonivälipohjien askelääneneristyksen subjektiivinen ja objektiivinen arviointi

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

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

Engelin teatterin huoneakustiikan mallintaminen

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

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

Ilmaääneneristysluku sekä standardisoitu ja normalisoitu äänitasoeroluku huoneistojen välisen ilmaääneneristävyyden kuvaajina

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

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

Mykkäelokuvakauden elokuvateatterien huoneakustiikka

Saarelainen, J., Kylliäinen, M. & Hupaniittu, O., 1 Sep 2015, *Akustiikkapäivät 2015*. Kuopio: Akustinen seura, p. 83-88 6 p. (Akustiikkapäivät).

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

Risk Assessment of Major Storm Situation in Distribution System

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

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

Coopetition and company performance

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

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

Hard Rock (- ei Hallelujah, vaan) Tribology: Pohjoismainen kaivosteollisuuden kulumisongelmiin keskittyvä kurssi ja seminaari Tampereella

Valtonen, K. & Tiainen, T., 2 Sep 2015, In : *Materia*. 2015, 1, p. 30-33

Research output: Contribution to journal › Article › Professional

Knowledge Management and Emerging Collaborative Networks in Tourism Business Ecosystems

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

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

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

Abstracting Application Development for Resource Constrained Wireless Sensor Networks

Laukkarinen, T., 4 Sep 2015, Tampere: Tampere University of Technology. 104 p. (Tampere University of Technology. Publication; vol. 1306)

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

Detection and Assessment of Sleep-Disordered Breathing with Special Interest of Prolonged Partial Obstruction

Tenhunen, M., 4 Sep 2015, Tampere: Tampere University of Technology. 77 p. (Tampere University of Technology. Publication; vol. 1304)

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

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

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

Research output: Book/Report › Doctoral thesis › Monograph

Effects of subsampling on characteristics of RNA-seq data from triple-negative breast cancer patients

Stupnikov, A., Glazko, G. V. & Emmert-Streib, F., 8 Sep 2015, In : Chinese Journal of Cancer. 34, 10

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

Modelling new particle formation and growth using combined power law and log-normal distribution model

Olin, M. & Dal Maso, M., 8 Sep 2015, *EAC 2015, European Aerosol Conference*. Milan, Italy: Italian Aerosol Society

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

Compensation of PV generator output power fluctuations with energy storage systems

Schnabel, J. & Valkealahti, S., 14 Sep 2015, *31st European Photovoltaic Solar Energy Conference and Exhibition (31st EU PVSEC), 14– 18 September, 2015, Hamburg, Germany*. p. 2177-2181 5 p.

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

Recognition of shading events caused by moving clouds and determination of shadow velocity from solar radiation measurements

Lappalainen, K. & Valkealahti, S., 14 Sep 2015, *31st European Photovoltaic Solar Energy Conference and Exhibition (31st EU PVSEC), 14– 18 September, 2015, Hamburg, Germany*. p. 1568-1573 6 p.

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

Building new computational models to support health behavior change and maintenance: new opportunities in behavioral research

Spruijt-Metz, D., Hekler, E., Saranummi, N., Intille, S., Korhonen, I., Nilsen, W., Rivera, D. E., Spring, B., Michie, S., Asch, D. A., Sanna, A., Salcedo, V. T., Kukakfa, R. & Pavel, M., 17 Sep 2015, In : Translational Behavioral Medicine. 5, 3, p. 335-346 12 p.

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

Protective Spinel Coatings for Solid Oxide Fuel Cell Interconnectors by Thermal Spray Processes: From Conventional Dry Powder to Novel Solution Precursor Thermal Spraying

Puranen, J., 18 Sep 2015, Tampere: Tampere University of Technology. 81 p. (Tampere University of Technology. Publication; vol. 1322)

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

Circularly Polarized Textile Antenna For 2.45 GHz

Rizwan, M., Rahmat-Samii, Y. & Ukkonen, L., 21 Sep 2015, *Circularly Polarized Textile Antenna For 2.45 GHz*. IEEE, p. 51-52 2 p.

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

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

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

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

Benchmarking of Factory Level ESD Control

Viheriäköski, T., Kohtamäki, J., Peltoniemi, T. & Tamminen, P., 27 Sep 2015, *Electrical Overstress/Electrostatic Discharge Symposium Proceedings 2015*. USA: IEEE COMPUTER SOC, Vol. 2015. 7 p. 6B.1

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

ESD and Disturbance Cases in Electrostatic Protected Areas

Tamminen, P., Viheriäköske, T., Ukkonen, L. & Sydänheimo, L., 27 Sep 2015, *Electrical Overstress / Electrostatic Discharge Symposium Proceedings 2015*. USA: IEEE COMPUTER SOC, Vol. 2015. 7 p. 5B.2

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

The effect of USB ground cable and product dynamic capacitance on IEC61000-4-2 qualification

Tamminen, P., Ukkonen, L. & Sydänheimo, L., 27 Sep 2015, *Electrical Overstress / Electrostatic Discharge Symposium Proceedings 2015*. USA: IEEE COMPUTER SOC, Vol. 2015. 10 p. 7B.2

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

Uncertainties in Charge Measurements of ESD Risk Assessment

Viheriäköske, T., Kohtamäki, J., Peltoniemi, T. & Tamminen, P., 27 Sep 2015, *Electrical Overstress / Electrostatic Discharge Symposium Proceedings 2015*. USA: IEEE COMPUTER SOC, Vol. 2015. 8 p. 6B.3

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

Development of a Low-Cost Fuzzy Gain Schedule Neutralization Control System

Sislian, R., Da Silva, F. V., Gedraite, R., Jokinen, H. & An, D. K. R., Oct 2015, *WCECS 2015 - World Congress on Engineering and Computer Science 2015*. Newswood Limited, Vol. II. p. 575-578 4 p. (Lecture Notes in Engineering and Computer Science; vol. 2220).

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

Direct Laser Writing of Fluorescent Silver Nanoclusters in Polyvinyl Alcohol Films

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

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

Generation of characteristic traffic emission aerosol in particulate filter collection efficiency tests

Saari, S., Karjalainen, P., Kalliohaka, T., Taipale, A. & Rönkkö, T., Oct 2015, *The 11th International Conference on Industrial Ventilation, Shanghai, China*.

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

Ilmastonmuutoksen vaikutus betonijulkisivujen vaurioitumisen etenemiseen

Pakkala, T., Lemberg, A-M., Köliö, A. & Lahdensivu, J., Oct 2015, *Rakennusfysiikka 2015: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut, 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 203-210 8 p.

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

Kolloidisten suspensioiden online -analysointi: tutkimuksesta liiketoimintaa

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

Research output: Contribution to journal › Article › Professional

Suomen keraaminen seura - Keramiska sällskapet i Finland

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

Research output: Contribution to journal › Article › Professional

A NLOS-robust TOA positioning filter based on a skew-t measurement noise model

Nurminen, H., Ardeshiri, T., Piche, R. & Gustafsson, F., 1 Oct 2015, *2015 International Conference on Indoor Positioning and Indoor Navigation (IPIN)*. IEEE, p. 1-7 7 p.

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

Clean Components of Fluid Power System Reduce Maintenance Costs

Rinkinen, J. & Elo, L., 1 Oct 2015, *Maintenance, Condition Monitoring and Diagnostics; Maintenance Performance Measurement and Management: MCMD 2015 and MPMM 2015*. 8 p. 2 (2015-10-01)

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

Muuttuvat ajotilanteet aiheuttavat uudentyyppisiä ajoneuvojen hiukaspäästöjä

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

Research output: [Contribution to journal](#) › [Article](#) › [Professional](#)

Enterprise architecture as strategy, practice, or approach

Pekkola, S., 13 Oct 2015, *4th Innovation in Information Infrastructures (III) Workshop*. Warwick, UK: University of Warwick

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

By64 Tuulettuvat julkisivut 2016 -suunnittelu- ja toteusohjeen laadinta

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

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

Energiatehokkuus rakennusalan ammattityövoiman täydennyskoulutuksessa

Teriö, O. & Sorri, J., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 97-102 6 p.

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

Hometalolle suoritettavat toimenpiteet ja niiden valinta - case-esimerkki

Kankkunen, T. & Kero, P., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 265-270 6 p.

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

Kapillaaristen vedenimuominaisuuksien määrittämiseen sopivan vapaan vedenimukoelaitteiston kehittäminen

Tuominen, E. & Vinha, J., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 233-238 6 p.

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

Koko Julkisivua peittävän lasijulkisivun vaikutus Etelä-Ruotsissa sijaitsevan rakennuksen energiatehokkuuteen

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

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

Laastien vedenimukertoimen määrittämisen virhelähdekokeet

Tuominen, E. & Vinha, J., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 239-244 6 p.

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

Laastin ja betonin lämmönjohtavuuden ja ominaislämpökapasiteetin määrittäminen lämpövirtalevyllä

Ruuska, T. & Vinha, J., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 227-232 6 p.

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

Lasitetun parvekkeen lämpötilan ja lämpöhäviöiden laskenta

Laukkarinen, A. & Hilliaho, K., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 181-186 6 p. (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu; no. 4).

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

Onnistumistekijät valtion tukemissa homekorjaushankkeissa

Marttila, T., Suonketo, J., Kero, P. & Annala, P., 20 Oct 2015, *Rakennusfysiikka 2015: Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut, 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, Vol. 4. p. 253-258 6 p. 152

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

Pystytäänkö haitallisia ilmanvaihdevikoja havaitsemaan ja poistamaan

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

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

Raudotteiden korroosionopeuden määrittäminen betonijulkisivussa korkean aikaresoluution säädätin avulla

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

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

Uudessa COMBI-hankkeessa tutkitaan energiatehokkaan palvelurakentamisen haasteita ja ratkaisuja

Vinha, J., Hedman, M., Sirén, K., Harsia, P., Pentti, M., Teriö, O., Heljo, J., Laukkarinen, A., Annala, P., Kaasalainen, H., Jokisalo, J. & Pihlajamaa, P., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 487-496 10 p. (Rakennustekniikan laitos. Rakennetekniikka. Seminaarijulkaisu; no. 4).

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

Uusi Rakennusfysiikan käsikirja - perustiedot rakennusfysiikalisesta suunnittelusta ja tutkimuksista

Vinha, J., 20 Oct 2015, *Rakennusfysiikka 2015. Uusimmat tutkimustulokset ja hyvät käytännön ratkaisut. 20.-22.10.2015, Tampere*. Vinha, J. & Ruuska, T. (eds.). Tampere: Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 115-120 6 p.

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

ÄKK-hankkeen suositukset tulevaisuuden ääneneristysmääräyksiä koskien

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

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

Menetelmä parvekelasien ääneneristävyyden mitoittamiseksi liikennemelualueilla

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

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

Puurunkoisten tuuletettujen yläpohjien kosteustekninen toiminta

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

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

Puuvälipohjien akustiset ominaisuudet

Latvanne, P. & Kylliäinen, M., 22 Oct 2015, *Rakennusfysiikka 2015*. Tampereen teknillinen yliopisto, rakennustekniikan laitos, rakennetekniikka, p. 567-572 6 p.

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

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

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

Research output: Book/Report › Doctoral thesis › Monograph

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

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

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

Fractional Ornstein-Uhlenbeck Processes

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

Research output: Book/Report › Doctoral thesis › Monograph

Social Media in Business-to-Business Companies' Innovation

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

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

Markov Chain Monte Carlo Estimation of Stochastic Volatility Models with Finite and Infinite Activity Lévy Jumps: Evidence for Efficient Models and Algorithms

Yang, H., 13 Nov 2015, Tampere University of Technology. 107 p. (Tampere University of Technology. Publication; vol. 1331)

Research output: Book/Report › Doctoral thesis › Monograph

MYSTERY SHOPPERS RECOGNISING KNOWLEDGE SHARING BARRIERS IN HIGHER EDUCATION

Tukiainen, M., Helander, N. & Mäkinen, M., 16 Nov 2015, *ICERI2015 Proceedings: 8th annual International Conference of Education, Research and Innovation Seville (Spain). 16th - 18th of November, 2015.* .

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

University Students' Perceptions of Academic Writing: An Academic Literacies Perspective

Tukiainen, M., Mäkinen, M. & Helander, N., 16 Nov 2015, *ICERI2015 Proceedings: 8th annual International Conference of Education, Research and Innovation Seville (Spain). 16th - 18th of November, 2015.* p. 7589-7595 7 p.

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

Organic Chromophores in Self-Assembled Monolayers and Supramolecular Arrays

Sariola-Leikas, E., 20 Nov 2015, Tampere University of Technology. 58 p. (Tampere University of Technology. Publication; vol. 1334)

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

What Engineering Scientists Know and How They Know It: Towards Understanding the Philosophy of Engineering Science in Finland

Naukkarinen, J., 20 Nov 2015, Tampere University of Technology. 205 p. (Tampere University of Technology. Publication; vol. 1344)

Research output: Book/Report › Doctoral thesis › Monograph

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

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

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

Time-resolved characterization of primary and secondary particle emissions of a modern gasoline passenger car

Karjalainen, P., Timonen, H., Saukko, E., Kuuluvainen, H., Saarikoski, S., Aakko-Saksa, P., Murtonen, T., Dal Maso, M., Ahlberg, E., Svenningsson, B., Brune, W. H., Hillamo, R., Keskinen, J. & Rönkkö, T., 25 Nov 2015, In : Atmospheric Chemistry and Physics Discussions. 15, 22, p. 33253-33282 29 p.

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

LTCC-Based Multi-Electrode Arrays for 3D in Vitro Cell Cultures

Bartsch, H., Himmerlich, M., Fischer, M., Demko, L., Hyttinen, J. & Schober, A., Dec 2015, In : *Journal of Ceramic Science and Technology*. 6, 4, p. 315-324 10 p.

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

Preparation and antimicrobial characterization of silver-containing packaging materials for meat

Kuuliala, L., Pippuri, T., Hultman, J., Auvinen, S-M., Kolppo, K., Nieminen, T., Karp, M., Björkroth, J., Kuusipalo, J. & Jääskeläinen, E., 1 Dec 2015, In : *Food Packaging and Shelf Life*. 6, p. 53-60 8 p., 67.

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

Platform Competences to Enhance Network Effects in Business Ecosystems

Seppänen, M., Dedehayir, O., Still, K., Valkokari, K. & Suominen, A., 8 Dec 2015, *2015 ISPIM Innovation Summit in Brisbane, Australia - 6-9 December 2015*. International Society for Professional Innovation Management ISPIM

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

Bispectrum-based demodulation technique using triple-channel heterodyning of triplet-signal

Naumenko, V., Solodovnik, V., Totsky, A., Zelensky, A. & Astola, J., 14 Dec 2015, *2015 Second International Scientific-Practical Conference Problems of Infocommunications Science and Technology (PIC S&T)*. IEEE, p. 224-226 3 p.

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

HVS-based local analysis of denoising efficiency for DCT-based filters

Rubel, O., Ponomarenko, N., Lukin, V., Astola, J. & Egiazarian, K., 14 Dec 2015, *2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings*. IEEE, p. 189-192 4 p.

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

Method of data compression for traffic monitoring

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

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

Turvallisuuden johtajat - Esimiesten johtajuus, osaaminen ja sitoutuminen

Tappura, S., Hyytinen, T., Kivistö-Rahnasto, J., Nenonen, N. & Vasara, J., 30 Dec 2015, Tampere: Tampereen teknillinen yliopisto; Tampereen yliopisto. 144 p.

Research output: Book/Report > Commissioned report > Professional

A 1.5-W frequency doubled semiconductor disk laser tunable over 40 nm at around 745 nm

Saarinen, E. J., Lyytikäinen, J., Ranta, S., Rantamäki, A., Saarela, A., Sirbu, A., Iakovlev, V., Kapon, E. & Okhotnikov, O. G., 2016, *Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) VI*. SPIE, Vol. 9734. 8 p. 97340P-8. (Spie conference proceedings).

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

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

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

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

A continuum damage model for creep fracture and fatigue analyses

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

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

A follow-up case study of the relation of PLM Architecture, Maturity and Business processes

Vainio, V. V. & Pulkkinen, A., 2016, *Product Lifecycle Management in the Era of Internet of Things: 12th IFIP WG 5.1 International Conference, PLM 2015, Doha, Qatar, October 19-21, 2015, Revised Selected Papers*. Springer New York LLC, p. 867-873 7 p. (IFIP Advances in Information and Communication Technology; vol. 467).

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

Agile methods in performance management system development process

Stormi, K., Laine, T. & Korhonen, T., 2016, *10th Conference On New Directions In Management Accounting, Brussels, Belgium, December 14-16, 2016*.

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

A mixed-integer linear programming approach for global discrete size optimization of frame structures

Van Mellaert, R., Mela, K., Tiainen, T., Heinisuo, M., Lombaert, G. & Schevenels, M., 2016, *ECCOMAS Congress 2016 - Proceedings of the 7th European Congress on Computational Methods in Applied Sciences and Engineering: Crete; Greece; 5 June 2016 through 10 June 2016*. National Technical University of Athens, Vol. 2. p. 3395-3408 14 p.

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

Analysis of Real Mobility Records in Urban and Suburban Environments

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

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

A new waveguiding mechanism based upon geometric phase

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

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

A trial of yoking-proof protocol in RFID-based smart-home environment

Prudanov, A., Tkachev, S., Golos, N., Masek, P., Hosek, J., Fujdiak, R., Zeman, K., Ometov, A., Bezzateev, S., Voloshina, N., Andreev, S. & Misurec, J., 2016, *Distributed Computer and Communication Networks - 19th International Conference, DCCN 2016, Revised Selected Papers*. Springer Verlag, Vol. 678. p. 25-34 10 p. (Communications in Computer and Information Science; vol. 678).

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

A unified lcf-hcf model based on continuum mechanics

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

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

Back-calculation of the Saint-Alban A test embankment with a new modelling approach in LEM

Lehtonen, V. & Länsivaara, T., 2016, *Proceedings of the The 17th Nordic Geotechnical Meeting, Reykjavik Iceland: 25th - 28th of May 2016*. p. 691-699 9 p.

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

Backend infrastructure supporting audio augmented reality and storytelling

Salo, K., Giova, D. & Mikkonen, T., 2016, *Human Interface and the Management of Information: Applications and Services: 18th International Conference, HCI International 2016 Toronto, Canada, July 17-22, 2016. Proceedings, Part II*. Springer Verlag, p. 325-335 11 p. (Lecture Notes in Computer Science; vol. 9735).

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

Benefits of digitally guided buying in B2B markets

Ojala, M. & Mahlamäki, T., 2016, *25th annual IPSERA Conference: Dortmund, Sunday 20 March - Wednesday 23 March 2016*. Dortmund

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

Building Codes and Demand Response of Energy Use

Sorri, J., Heljo, J., Järventausta, P., Honkapuro, S. & Harsia, P., 2016, *Proceedings of the CIB World Building Congress 2016: Volume IV: Understanding Impacts and Functioning of Different Solutions*. Nenonen, S. & Junnonen, J-M. (eds.). Tampere University of Technology. Department of Civil Engineering, Vol. 4. p. 8-21 14 p.

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

Building energy retrofits, occupant health and wellbeing

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

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

Bus Transportation Accessibility - Does It Impact Housing Values?

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

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

Campus retrofitting (CARE) methodology: a way to co-create future learning environments

Nenonen, S., Eriksson, R., Niemi, O., Junghans, A., Nielsen, S. B. & Lindahl, G., 2016, *Proceedings of the 20th CIB World Building Congress 2016: May 30-June 3, 2016, Tampere, Finland*. p. 738-749 12 p.

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

Characterising the industrial context of engineering change management

Pulkkinen, A., Huhtala, P., Leino, S-P., Anttila, J. P. & Vainio, V. V., 2016, *Product Lifecycle Management in the Era of Internet of Things: 12th IFIP WG 5.1 International Conference, PLM 2015, Doha, Qatar, October 19-21, 2015, Revised Selected Papers*. Springer New York LLC, p. 618-627 10 p. (IFIP Advances in Information and Communication Technology; vol. 467).

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

Commercialising reclaimed materials in earthworks – guidelines for productization and the process of appending these materials in the Finnish national code of practice

Koivisto, K., Forsman, J., Ronkainen, M., Lahtinen, P., Kolisoja, P. & Kuula, P., 2016, *Proceedings of the 17th Nordic Geotechnical Meeting Reykjavik Iceland: Challenges in Nordic Geotechnic 25th - 28th of May*. Reykjavik: Icelandic Geotechnical Society, 10 p.

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

Computer-supported collaborative learning: Praxes in new cell-oriented configurable PC-classroom

Pyrhönen, V-P., Seppälä, J. & Salmenperä, M., 2016, *SEFI conference 2016: Engineering Education on Top of the World: Industry University Cooperation*. 9 p.

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

Computer vision aided navigation systems

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

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

Consensus building in the pre-design phase of building projects

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

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

Control of Electric Vehicle Charging in Domestic Real Estates as Part of Demand Response Functionality

Rautiainen, A., Lummi, K., Järventausta, P., Tikka, V. & Lana, A., 2016, *Cired Workshop 2016*. 0240

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

Design and simulation of a thermal flow sensor for gravity-driven microfluidic applications

Mäki, A-J., Kontunen, A., Ryyänen, T., Verho, J., Kreutzer, J., Lekkala, J. & Kallio, P., 2016, *IEEE 11th Annual International Conference on Nano/Micro Engineered and Molecular Systems (NEMS)*. IEEE, p. 125-129 5 p.

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

Development of students' multidisciplinary collaboration skills by simulation of the design process

Salmisto, A., Keinänen, M. & Kähkönen, K., 2016, *Proceedings of the CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities.* Vol. 1. p. 348-360

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

DIC measurements of the human heart during cardiopulmonary bypass surgery

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

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

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

Kärkkäinen, H. & Silventoinen, A., 2016, *Product Lifecycle Management in the Era of Internet of Things: 12th IFIP WG 5.1 International Conference, PLM 2015, Doha, Qatar, October 19-21, 2015, Revised Selected Papers*. Springer New York LLC, p. 89-102 14 p. (IFIP Advances in Information and Communication Technology; vol. 467).

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

Diffraction compensation of finite beams in hyperbolic metamaterials

Pannian, J. C., Alberucci, A., Boardman, A. & Assanto, G., 2016, *Laser science 2016*. Optical Society of America (OSA), JW4A.10

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

Direct Measurement of Temporal Rogue Waves Generated by Spontaneous Modulation Instability

Narhi, M., Wetzel, B., Billet, C., Merolla, J-M., Toenger, S., Sylvestre, T., Morandotti, R., Dias, F., Genty, G. & Dudley, J. M., 2016, *Frontiers in Optics 2016*. Optical Society of America, FTu31.4

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

Dots-on-the-fly electron beam lithography

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

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

Educating future coders with a holistic ICT curriculum and new learning solutions

Niemelä, P., Di Flora, C., Helevirta, M. & Isomöttönen, V., 2016, *7th International Multi-Conference on Complexity, Informatics and Cybernetics, IMCIC 2016 and 7th International Conference on Society and Information Technologies, ICSIT 2016*. IIS, Vol. 2. p. 132-136 5 p.

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

Empowerment in construction: a qualitative analysis of subcontractors' quality assurance

Viita, J. & Junnonen, J-M., 2016, *Proceedings of the CIB World Building Congress 2016: Volume II - Environmental Opportunities and Challenges. Constructing Commitment and Acknowledging Human Experiences*. Tampere University of Technology. Department of Civil Engineering, p. 436-448

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

Enhancing old laboratory experiment using flipped learning: Towards self-regulating collaborative groups in blended learning environment

Pyrhönen, V-P., 2016, *SEFI conference 2016: Engineering Education on Top of the World: Industry University Cooperation*. 9 p.

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

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

Holopainen, S., 2016, *Proc. of VII European Congress on Computational Methods in Applied Sciences and Engineering, ECCOMAS Congress 2016. : M. Papadrakakis, V. Papadopoulos, G. Stefanou, V. Plevris (eds.) . Crete Island, Greece, 5 – 10 June 2016*. Papadrakakis, M., Papadopoulos, V., Stefanou, G. & Plevris, V. (eds.). p. 6675-6687 13 p.

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

Extending Professional Fields. Architectural Research and Regional Development

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

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

Fabrication and characterization of broadband superluminescent diodes for 2 µm wavelength

Zia, N., Viheriälä, J., Koskinen, R., Koskinen, M., Suomalainen, S. & Guina, M., 2016, *Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XX*. SPIE, 97680Q. (Proceedings of SPIE; vol. 9768).

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

Full-Field Temperature and Strain Measurement in Dynamic Tension Tests on SS 304

Smith, J., Kuokkala, V.-T., Seidt, J. & Gilat, A., 2016, *Dynamic Behavior of Materials, Volume 1: Proceedings of the 2016 Annual Conference on Experimental and Applied Mechanics*. Springer International Publishing, p. 37-44 8 p. (Conference proceedings of the Society for Experimental Mechanics).

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

Functionalizing Surface Electrical Potential of Hydroxyapatite Coatings

Pluduma, L., Freimanis, E., Gross, K., Koivuluoto, H., Algate, K., Haynes, D. & Vuoristo, P., 2016, *11th International Conference Medical Applications of Novel Biomaterials and Nanotechnology*. Vol. 102. p. 12-17 6 p. (Advances in Science and Technology; vol. 102).

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

Functional model for organisational and safety culture

Porkka, P. L., 2016, *Chemical Engineering Transactions*. Italian Association of Chemical Engineering AIDIC, p. 907-912 6 p. (Chemical Engineering Transactions; vol. 48).

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

Future in wood? Timber construction in boosting local development.

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

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

High Dynamic Range Single-Shot Spectral Measurements of Spontaneous Modulation Instability

Närhi, M., Tengvall, M., Toivonen, J., Dudley, J. M. & Genty, G., 2016, *Frontiers in Optics 2016*. Optical Society of America (OSA), FF2B.1

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

High efficiency dilute nitride solar cells: Simulations meet experiments

Tukiainen, A., Aho, A., Polojärvi, V., Ahorinta, R. & Guina, M., 2016, In : *Journal of Green Engineering*. 5, 3-4, p. 113-132 20 p., 8.

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

High-power 1550 nm tapered DBR lasers fabricated using soft UV-nanoimprint lithography

Viheriälä, J., Aho, A. T., Mäkelä, J., Salmi, J., Virtanen, H., Leinonen, T., Dumitrescu, M. & Guina, M., 2016, *High-Power Diode Laser Technology and Applications XIV*. SPIE, 7 p. 97330Q. (SPIE Conference Proceedings; vol. 9733).

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

High-temperature sliding wear behaviour of thermally sprayed Cr₃C₂-based coatings

Matikainen, V., Bolelli, G., Koivuluoto, H., Sassatelli, P., Lusvardi, L. & Vuoristo, P., 2016, *Proceedings of The 17th Nordic Symposium on Tribology - NORDTRIB 2016*. 10 p.

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

How is it sustainable? Identifying key indicators for sustainable educational design

Sandström, N., Hytti, V., Nenonen, S. & Lonka, K., 2016, *10th INTED 2016 Conference Proceedings: 7-9 March, 2016, Valencia, Spain*. Gómez Chova, L., López Martínez, A. & Candel Torres, I. (eds.). p. 4217-4219 3 p. (INTED proceedings).

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

How to benefit from learning logs in engineering education?

Juuti, T., Kopra, M. J., Rättyä, K. & Lehtonen, T., 2016, *44th Annual Conference of the European Society for Engineering Education - Engineering Education on Top of the World: Industry-University Cooperation, SEFI 2016*. European Society for Engineering Education SEFI

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

Identifying and measuring customer value - case multi-locational worker

Vasell, T., Vuolle, M., Petrulaitiene, V., Nenonen, S. & Jylhä, T., 2016, *Research papers for EuroFM's 15th research symposium at EFMC2016: 8-9 June 2016 in Milan, Italy*. Nielsen, S. & Jensen, P. A. (eds.). EuroFM, p. 143-151 9 p.

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

Improved properties for packaging materials by nanoscale surface modification and ALD barrier coating

Lahti, J., Lavonen, J., Lahtinen, K., Johansson, P., Seppänen, T. & Cameron, D. C., 2016, *TAPPI International Conference on Nanotechnology for Renewable Materials 2016*. TAPPI Press, Vol. 2. p. 684-706 23 p.

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

Influence of environmental conditions on EMF levels in a span of overhead transmission lines

Okun, O., Kravchenko, Y. & Korpinen, L., 2016, In : *Progress in Electromagnetics Research C*. 63, p. 163-171 9 p.

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