

Saari, UA, Mäkinen, SJ, Baumgartner, RJ, Hillebrand, B & Driessen, PH 2020, 'How consumers' respect for nature and environmental self-assets influence their car brand experiences', *Journal of Cleaner Production*, Vuosikerta. 261, 121023. <https://doi.org/10.1016/j.jclepro.2020.121023>

Ovaska, T, Niemi, S, Sirviö, K, Nilsson, O, Karjalainen, P, Rönkkö, T, Kulmala, K & Keskinen, J 2020, Role of Lubricating Oil Properties in Exhaust Particle Emissions of an Off-Road Diesel Engine. julkaisussa *SAE WCX 2020 World Congress Experience.*, 2020-01-0386, SAE Technical Papers, SAE International, Detroit, Yhdysvallat, 21/04/20. <https://doi.org/10.4271/2020-01-0386>

Kaksonen, AH, Lakaniemi, A-M & Tuovinen, OH 2020, 'Acid and ferric sulfate bioleaching of uranium ores: A review', *Journal of Cleaner Production*, Vuosikerta. 264, 121586. <https://doi.org/10.1016/j.jclepro.2020.121586>

Zakeri, S, Vippola, M & Levänen, E 2020, 'A comprehensive review of the photopolymerization of ceramic resins used in stereolithography', *Additive Manufacturing*, Vuosikerta. 35, 101177. <https://doi.org/10.1016/j.addma.2020.101177>

Kanellis, G, Oksanen, A & Konttinen, J 2020, 'Adjoint-based optimization in the development of low-emission industrial boilers', *Engineering Optimization*. <https://doi.org/10.1080/0305215X.2020.1781842>

Pulkkinen, A, Anttila, J-P & Leino, S-P 2020, Assessing the maturity and benefits of digital extended enterprise. julkaisussa *29th International Conference on Flexible Automation and Intelligent Manufacturing (FAIM2019)*. Procedia Manufacturing, Vuosikerta. 38, Elsevier, Sivut 1417-1426, Limerick, Irlanti, 24/06/19. <https://doi.org/10.1016/j.promfg.2020.01.146>

Lanz, M, Siltala, N, Pieters, R & Latokartano, J 2020, Concept for distributed robotics learning environment: Increasing the access to the robotics via modularisation of systems and mobility. julkaisussa *10th Conference on Learning Factories, CLF2020*. Procedia Manufacturing, Vuosikerta. 45, Elsevier, Sivut 152-157, Graz, Itävalta, 15/04/20. <https://doi.org/10.1016/j.promfg.2020.04.087>

Nylund, H & Lanz, M 2020, Interactive learning activities for education of factory level order-to-delivery process. julkaisussa *10th Conference on Learning Factories, CLF2020*. Procedia Manufacturing, Vuosikerta. 45, Elsevier, Sivut 504-509, Graz, Itävalta, 15/04/20. <https://doi.org/10.1016/j.promfg.2020.04.065>

Hajdu-Rahkama, R, Özkaya, B, Lakaniemi, AM & Puhakka, JA 2020, 'Kinetics and modelling of thiosulphate biotransformations by haloalkaliphilic Thioalkalivibrio versutus', *Chemical Engineering Journal*, Vuosikerta. 401, 126047. <https://doi.org/10.1016/j.cej.2020.126047>

Aagaard, A, Saari, UA & Mäkinen, SJ 2020, 'Mapping the types of business experimentation in creating sustainable value: A case study of cleantech start-ups', *Journal of Cleaner Production*, Vuosikerta. 279, 123182. <https://doi.org/10.1016/j.jclepro.2020.123182>

Oliveira, LMC, Koivisto, H, Iwakiri, IGI, Loureiro, JM, Ribeiro, AM & Nogueira, IBR 2020, 'Modelling of a pressure swing adsorption unit by deep learning and artificial Intelligence tools', *Chemical Engineering Science*, Vuosikerta. 224, 115801. <https://doi.org/10.1016/j.ces.2020.115801>

Hajikazemi, S, Aaltonen, K, Ahola, T, Aarseth, W & Andersen, B 2020, 'Normalising deviance in construction project organizations: a case study on the collapse of Carillion', *Construction Management and Economics*. <https://doi.org/10.1080/01446193.2020.1804069>

Chaoji, P & Martinsuo, M 2019, 'Creation processes for radical manufacturing technology innovations', *Journal of Manufacturing Technology Management*, Vuosikerta. 30, Nro 7, Sivut 1005-1033. <https://doi.org/10.1108/JMTM-08-2018-0233>

Haavisto, J, Dessì, P, Chatterjee, P, Honkanen, M, Noori, MT, Kokko, M, Lakaniemi, AM, Lens, PNL & Puhakka, JA 2019, 'Effects of anode materials on electricity production from xylose and treatability of TMP wastewater in an up-flow microbial fuel cell', *Chemical Engineering Journal*, Vuosikerta. 372, Sivut 141-150. <https://doi.org/10.1016/j.cej.2019.04.090>

Tura, N & Ahola, T 2019, 'Towards a circular economy by leveraging hazardous resources: A case study of Fortum HorsePower', *Journal of Cleaner Production*, Vuosikerta. 230, Sivut 518-526. <https://doi.org/10.1016/j.jclepro.2019.05.121>

Magazinik, A, Bedolla, JS, Lasheras, NC & Mäkinen, S 2019, Societal impact as Cost-Benefit Analysis: Comparative analysis of two research infrastructures. julkaisussa *2019 IEEE International Conference on Engineering, Technology and Innovation, ICE/ITMC 2019*. IEEE, Valbonne Sophia-Antipolis, Ranska, 17/06/19. <https://doi.org/10.1109/ICE.2019.8792600>

Kahle, H, Phung, H-M, Penttinen, J-P, Rajala, P, Tukiainen, A, Ranta, S & Guina, M 2019, Double-side pumped membrane external-cavity surface-emitting laser (MECSEL) with increased efficiency emitting > 3 W in the 780 nm region . julkaisussa *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE, San Jose, Yhdysvallat, 5/05/19. <https://doi.org/10.23919/CLEO.2019.8749958>

Abdallah, Z, Stefszky, M, Ulvila, V, Silberhorn, C & Vainio, M 2019, Frequency Comb Generation in a Continuous-Wave Pumped Second-Order Nonlinear Waveguide Resonator. julkaisussa *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE, San Jose, Yhdysvallat, 5/05/19. <https://doi.org/10.23919/CLEO.2019.8750403>

Saad-Bin-Alam, M, Reshef, O, Huttunen, MJ, Carlow, G, Sullivan, B, Menard, JM, Dolgaleva, K & Boyd, RW 2019, High-Q resonance train in a plasmonic metasurface. julkaisussa *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE, San Jose, Yhdysvallat, 5/05/19. <https://doi.org/10.23919/CLEO.2019.8750206>

Sadiek, I, Mikkonen, T, Vainio, M, Toivonen, J & Foltynowicz, A 2019, Optical Frequency Comb Photoacoustic Spectroscopy. julkaisussa *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE, San Jose, Yhdysvallat, 5/05/19. <https://doi.org/10.23919/CLEO.2019.8749688>

Kummala, R, Brobbey, KJ, Haapanen, J, Mäkelä, JM, Gunell, M, Eerola, E, Huovinen, P, Toivakka, M & Saarinen, JJ 2019, 'Antibacterial activity of silver and titania nanoparticles on glass surfaces', *ADVANCES IN NATURAL SCIENCES: NANOSCIENCE AND NANOTECHNOLOGY*, Vuosikerta. 10, Nro 1, 015012. <https://doi.org/10.1088/2043-6254/ab0882>

Schönborn, G, Berlin, C, Pinzone, M, Hanisch, C, Georgoulas, K & Lanz, M 2019, 'Why social sustainability counts: The impact of corporate social sustainability culture on financial success', *Sustainable Production and Consumption*, Vuosikerta. 17, Sivut 1-10. <https://doi.org/10.1016/j.spc.2018.08.008>

Mahmoodpour, M & Lobov, A 2019, 'A knowledge-based approach to the IoT-driven data integration of enterprises', *Procedia Manufacturing*, Vuosikerta. 31, Sivut 283-289. <https://doi.org/10.1016/j.promfg.2019.03.045>

Halonen, N, Majuri, M & Lanz, M 2019, 'Characteristics of a circular economy framework to support strategic renewal in manufacturing firms', *Procedia CIRP*, Vuosikerta. 81, Sivut 653-658. <https://doi.org/10.1016/j.procir.2019.03.171>

Lanz, M, Nylund, H, Lehtonen, T, Juuti, T & Rattya, K 2019, 'Circular economy in integrated product and production development education', *Procedia Manufacturing*, Vuosikerta. 33, Sivut 470-476. <https://doi.org/10.1016/j.promfg.2019.04.058>

Woldemariam, ET, Coatanéa, E, Wang, GG, Lemu, HG & Wu, D 2019, 'Customized dimensional analysis conceptual modelling framework for design optimization—a case study on the cross-flow micro turbine model', *Engineering Optimization*, Vuosikerta. 51, Nro 7, Sivut 1168-1184. <https://doi.org/10.1080/0305215X.2018.1519556>

Joshu, A, Dsouza, R, Muthirulan, V & Sachidananda, KH 2019, 'Experimental analysis on the turning of aluminum alloy 7075 based on Taguchi method and artificial neural network', *Journal European des Systemes Automatisés*, Vuosikerta. 52, Nro 5, Sivut 429-437. <https://doi.org/10.18280/jesa.520501>

Palmroth, A, Salpavaara, T, Lekkala, J & Kellomäki, M 2019, 'Fabrication and Characterization of a Wireless Bioresorbable Pressure Sensor', *Advanced Materials Technologies*. <https://doi.org/10.1002/admt.201900428>

Jokinen, L & Leino, S-P 2019, Hidden product knowledge: Problems and potential solutions. julkaisussa *29th International Conference on Flexible Automation and Intelligent Manufacturing (FAIM2019)*. Procedia Manufacturing, Vuosikerta. 38, Elsevier, Sivut 735-744, Limerick, Irlanti, 24/06/19. <https://doi.org/10.1016/j.promfg.2020.01.099>

Niu, L, Saarinen, M, Tuokko, R & Mattila, J 2019, Integration of multi-camera vision system for automatic robotic assembly . julkaisussa *9th International Conference on Physical and Numerical Simulation of Materials Processing (ICPNS'2019)*. Procedia Manufacturing, Vuosikerta. 37, Elsevier, Sivut 380-384, Moscow, Venäjä, 10/10/19. <https://doi.org/10.1016/j.promfg.2019.12.063>

Lanz, M, Pieters, R & Ghabcheloo, R 2019, 'Learning environment for robotics education and industry-academia collaboration', *Procedia Manufacturing*, Vuosikerta. 31, Sivut 79-84. <https://doi.org/10.1016/j.promfg.2019.03.013>

Ahtiluoto, M, Ellman, A & Coatanea, E 2019, 'Model for evaluating additive manufacturing feasibility in end-use production ', *Proceedings of the International Conference on Engineering Design, ICED*, Vuosikerta. 1, Nro 1, Sivut 799-808. <https://doi.org/10.1017/dsi.2019.84>

Dianatfar, M, Latokartano, J & Lanz, M 2019, 'Task balancing between human and robot in mid-heavy assembly tasks', *Procedia CIRP*, Vuosikerta. 81, Sivut 157-161. <https://doi.org/10.1016/j.procir.2019.03.028>

Nylund, H, Valjus, V, Toivonen, V, Lanz, M & Nieminen, H 2019, 'The virtual FMS - An engineering education environment ', *Procedia Manufacturing*, Vuosikerta. 31, Sivut 251-257. <https://doi.org/10.1016/j.promfg.2019.03.040>

Vuorinen, T, Noponen, K, Vehkaoja, A, Onnia, T, Laakso, E, Leppänen, S, Mansikkamäki, K, Seppänen, T & Mäntysalo, M 2019, 'Validation of Printed, Skin-Mounted Multilead Electrode for ECG Measurements', *Advanced Materials Technologies* , Vuosikerta. 4, Nro 9, 1900246. <https://doi.org/10.1002/admt.201900246>

Raunio, J-P & Ritala, R 2018, 'Active scanner control on paper machines', *Journal of Process Control*, Vuosikerta. 72, Sivut 74-90. <https://doi.org/10.1016/j.jprocont.2018.09.012>

Ranta, V, Aarikka-Stenroos, L & Mäkinen, SJ 2018, 'Creating value in the circular economy: A structured multiple-case analysis of business models', *Journal of Cleaner Production*, Vuosikerta. 201, Sivut 988-1000. <https://doi.org/10.1016/j.jclepro.2018.08.072>

Ottosen, NS, Ristinmaa, M & Kouhia, R 2018, 'Enhanced multiaxial fatigue criterion that considers stress gradient effects', *International Journal of Fatigue*, Vuosikerta. 116, Sivut 128-139. <https://doi.org/10.1016/j.ijfatigue.2018.05.024>

Iftikhar, U, Mohammed, WM, Ferrer, BR & Lastra, JLM 2018, A Framework for Data Collection, Transformation and Processing in Industrial Systems. julkaisussa *Proceedings - IEEE 16th International Conference on Industrial Informatics, INDIN 2018.*, 8471996, IEEE International Conference on Industrial Informatics, Institute of Electrical and Electronics Engineers Inc., Sivut 707-712, Porto, Portugali, 18/07/18. <https://doi.org/10.1109/INDIN.2018.8471996>

Seyedamir, A, Ferrer, BR & Lastra, JLM 2018, An ISA-95 based Ontology for Manufacturing Systems Knowledge Description Extended with Semantic Rules. julkaisussa *Proceedings - IEEE 16th International Conference on Industrial Informatics, INDIN 2018.*, 8471929, IEEE International Conference on Industrial Informatics, Institute of Electrical and Electronics Engineers Inc., Sivut 374-380, Porto, Portugali, 18/07/18. <https://doi.org/10.1109/INDIN.2018.8471929>

Mohammed, WM, Ferrer, BR, Iftikhar, U, Lastra, JLM & Simarro, JH 2018, Supporting a Cloud Platform with Streams of Factory Shop Floor Data in the Context of the Industry 4.0. julkaisussa *Proceedings - IEEE 16th International Conference on Industrial Informatics, INDIN 2018.*, 8471981, IEEE International Conference on Industrial Informatics, Institute of Electrical and Electronics Engineers Inc., Sivut 786-791, Porto, Portugali, 18/07/18. <https://doi.org/10.1109/INDIN.2018.8471981>

Ferrer, BR, Mohammed, WM, Martinez Lastra, JL, Villalonga, A, Beruvides, G, Castano, F & Haber, RE 2018, Towards the Adoption of Cyber-Physical Systems of Systems Paradigm in Smart Manufacturing Environments. julkaisussa *Proceedings - IEEE 16th International Conference on Industrial Informatics, INDIN 2018.*, 8472061, IEEE International Conference on Industrial Informatics, Institute of Electrical and Electronics Engineers Inc., Sivut 792-799, Porto, Portugal, 18/07/18. <https://doi.org/10.1109/INDIN.2018.8472061>

Bomberg, M, Miettinen, H, Wahlström, M, Kaartinen, T, Ahoranta, S, Lakaniemi, A-M & Kinnunen, P 2018, 'Post operation inactivation of acidophilic bioleaching microorganisms using natural chloride-rich mine water', *Hydrometallurgy*, Vuosikerta. 180, Sivut 236-245. <https://doi.org/10.1016/j.hydromet.2018.06.013>

Kaksonen, AH, Boxall, NJ, Gumulya, Y, Khaleque, HN, Morris, C, Bohu, T, Cheng, KY, Usher, KM & Lakaniemi, A-M 2018, 'Recent progress in biohydrometallurgy and microbial characterisation', *Hydrometallurgy*, Vuosikerta. 180, Sivut 7-25. <https://doi.org/10.1016/j.hydromet.2018.06.018>

Maina, MR, Okamoto, Y, Okada, A, Närhi, M, Kangastupa, J & Vihinen, J 2018, 'High surface quality welding of aluminum using adjustable ring-mode fiber laser', *Journal of Materials Processing Technology*, Vuosikerta. 258, Sivut 180-188. <https://doi.org/10.1016/j.jmatprotec.2018.03.030>

Mosallaei, M, Jokinen, J, Honkanen, M, Iso-Ketola, P, Vippola, M, Vanhala, J, Kanerva, M & Mantysalo, M 2018, 'Geometry Analysis in Screen-Printed Stretchable Interconnects', *IEEE Transactions on Components, Packaging and Manufacturing Technology*, Vuosikerta. 8, Nro 8, Sivut 1344-1352. <https://doi.org/10.1109/TCPMT.2018.2854635>

Geng, J, Li, H, Liu, Y, Liu, Y, Kashef, M, Candell, R & Bhattacharyya, SS 2018, Model-based cosimulation for industrial wireless networks. julkaisussa *WFCS 2018 - 2018 14th IEEE International Workshop on Factory Communication Systems*. IEEE, Sivut 1-10, 1/01/00. <https://doi.org/10.1109/WFCS.2018.8402343>

Muhammad, U, Ferrer, BR, Mohammed, WM & Lastra, JLM 2018, An approach for implementing key performance indicators of a discrete manufacturing simulator based on the ISO 22400 standard. julkaisussa *2018 IEEE Industrial Cyber-Physical Systems, ICPS 2018*. IEEE, Sivut 629-636, 1/01/00. <https://doi.org/10.1109/ICPHYS.2018.8390779>

Hussnain, A, Ferrer, BR & Lastra, JLM 2018, Towards the deployment of cloud robotics at factory shop floors: A prototype for smart material handling. julkaisussa *2018 IEEE Industrial Cyber-Physical Systems, ICPS 2018*. IEEE, Sivut 44-50, 1/01/00. <https://doi.org/10.1109/ICPHYS.2018.8387635>

Oluoti, K, Doddapaneni, TRKC & Richards, T 2018, 'Investigating the kinetics and biofuel properties of *Alstonia congensis* and *Ceiba pentandra* via torrefaction', *Energy*, Vuosikerta. 150, Sivut 134-141. <https://doi.org/10.1016/j.energy.2018.02.086>

Heikkilä, J, Martinsuo, M & Nenonen, S 2018, 'Backshoring of production in the context of a small and open Nordic economy', *Journal of Manufacturing Technology Management*, Vuosikerta. 29, Nro 4, Sivut 658-675. <https://doi.org/10.1108/JMTM-12-2016-0178>

Doddapaneni, TRKC, Jain, R, Praveenkumar, R, Rintala, J, Romar, H & Konttinen, J 2018, 'Adsorption of furfural from torrefaction condensate using torrefied biomass', *Chemical Engineering Journal*, Vuosikerta. 334, Sivut 558-568. <https://doi.org/10.1016/j.cej.2017.10.053>

Karamanakos, P, Ayad, AF & Kennel, R 2018, 'A variable switching point predictive current control strategy for quasi-Z-source inverters', *IEEE Transactions on Industry Applications*, Vuosikerta. 54, Nro 2, Sivut 1469-1480. <https://doi.org/10.1109/TIA.2017.2765302>

Borgianni, Y, Lenarduzzi, V, Rotini, F & Taibi, D 2018, Bringing stimulated ideation in a web environment: Students' evaluations of a basic software release. julkaisussa E Dekoninck, A Wodehouse, C Snider, G Georgiev & G Cascini (toim), *ICDC 2018 - 5th International Conference on Design Creativity, Conference Proceedings*. Proceedings of the International Conference on Engineering Design, ICED, DESIGN SOCIETY, Bath, Iso-Britannia, 31/01/18.

Järvinen, H, Honkanen, M, Järvenpää, M & Peura, P 2018, 'Effect of paint baking treatment on the properties of press hardened boron steels', *Journal of Materials Processing Technology*, Vuosikerta. 252, Sivut 90-104. <https://doi.org/10.1016/j.jmatprotec.2017.08.027>

Raunio, J-P, Makela, I, Mäntylä, M & Ritala, R 2018, Evaluating the contrast of planar periodic patterns on paper. julkaisussa *Paper Conference and Trade Show, PaperCon 2018*. TAPPI Press, Sivut 294-302, Charlotte, Yhdysvallat, 15/04/18.

Grosu, MC, Lupu, IG, Cramariuc, O & Hogas, HI 2018, 'Fabrication and characterization of magnetic cotton yarns for textile applications', *Journal of the Textile Institute*, Vuosikerta. 109, Nro 10, Sivut 1348-1359. <https://doi.org/10.1080/00405000.2018.1423935>

Brobbey, KJ, Haapanen, J, Gunell, M, Mäkelä, JM, Eerola, E, Saarinen, JJ & Toivakka, M 2018, High-speed manufacturing of antimicrobial paper. julkaisussa *Paper Conference and Trade Show, PaperCon 2018*. TAPPI Press, Sivut 564-566, Charlotte, Yhdysvallat, 15/04/18.

Ahmad, M, Ferrer, BR, Ahmad, B, Vera, D, Martinez Lastra, JL & Harrison, R 2018, 'Knowledge-based PPR modelling for assembly automation', *CIRP Journal of Manufacturing Science and Technology*, Vuosikerta. 21, Sivut 33-46. <https://doi.org/10.1016/j.cirpj.2018.01.001>

Sulonen, MLK, Kokko, ME, Lakaniemi, A-M & Puhakka, JA 2018, 'Simultaneous removal of tetrathionate and copper from simulated acidic mining water in bioelectrochemical and electrochemical systems', *Hydrometallurgy*, Vuosikerta. 176, Sivut 129-138. <https://doi.org/10.1016/j.hydromet.2018.01.023>

Ramis Ferrer, B & Martinez Lastra, JL 2018, 'Towards the encapsulation and decentralisation of OKD-MES services within embedded devices', *International Journal of Production Research*, Vuosikerta. 56, Nro 3, Sivut 1286-1298. <https://doi.org/10.1080/00207543.2017.1328141>

Safarpour, N & Sillanpää, I 2017, 'A Dual Perspective of Value in a Bundle of Product and Service', *Management and Production Engineering Review*, Vuosikerta. 8, Nro 4, Sivut 27-41. <https://doi.org/10.1515/mper-2017-0034>

Layek, RK, Uddin, ME, Kim, NH, Tak Lau, AK & Lee, JH 2017, 'Noncovalent functionalization of reduced graphene oxide with pluronic F127 and its nanocomposites with gum arabic', *Composites Part B : Engineering*, Vuosikerta. 128, Sivut 155-163. <https://doi.org/10.1016/j.compositesb.2017.07.010>

Tampio, E, Lehtonen, E, Kinnunen, V, Mönkäre, T, Ervasti, S, Kettunen, R, Rasi, S & Rintala, J 2017, 'A demand-based nutrient utilization approach to urban biogas plant investment based on regional crop fertilization', *Journal of Cleaner Production*, Vuosikerta. 164, Sivut 19-29. <https://doi.org/10.1016/j.jclepro.2017.06.172>

Ojala, N 2017, *Application Oriented Wear Testing of Wear Resistant Steels in Mining Industry*. Tampere University of Technology. Publication, Vuosikerta. 1469, Tampere University of Technology.

Lanz, M & Tuokko, R 2017, 'Concepts, methods and tools for individualized production', *PRODUCTION ENGINEERING*, Vuosikerta. 11, Nro 2, Sivut 205-212. <https://doi.org/10.1007/s11740-017-0728-5>

Mohammed, WM 2017, *Encapsulation Of MES Functionalities As RESTful Web Services For Knowledge-Driven Manufacturing Systems*. Tampere University of Technology.

Jokinen, L, Vainio, V & Pulkkinen, A 2017, 'Engineering Change Management Data Analysis from the Perspective of Information Quality', *Procedia Manufacturing*, Vuosikerta. 11, Sivut 1626-1633. <https://doi.org/10.1016/j.promfg.2017.07.312>

Mikkonen, A & Karvinen, R 2017, Heat Transfer of Impinging Jet: Effect of Compressibility and Turbulent Kinetic Energy Production. julkaisussa *IX International Conference on Computational Heat and Mass Transfer (ICCHMT 2016)* ., Cracow, Puola, 23/05/16.

Miettinen, P, Ahokas, M, Engström, T, Heinonen, J & Auvinen, S 2017, The role of base substrate on barrier and convertability properties of Water based barrier coated (WBBC) paper and paperboard. julkaisussa *Paper Conference and Trade Show, PaperCon 2017: Renew, Rethink, Redefine the Future, Minneapolis, Minnesota, USA, 23-26 April 2017*. Vuosikerta. 1, TAPPI Press, Sivut 220-232, 23/05/18.

Ojala, N 2016, 'Application oriented wear testing of wear resistant steels in mining industry' Artikkeliesitys, Helsinki, Suomi, 14/11/16 - 15/11/16, .

Laitinen, A & Keskinen, J 2016, 'Performance of a sonic jet-type charger in high dust load', *Journal of Electrostatics*, Vuosikerta. 83, Sivut 1-6. <https://doi.org/10.1016/j.elstat.2016.06.002>

Mokhtarian, H, Coatanea, E, Paris, H, Ritola, T, Ellman, A, Vihinen, J, Koskinen, K & Ikkala, K 2016, A Network based modelling approach using the dimensional analysis conceptual modeling (DACM) framework for additive manufacturing technologies. julkaisussa *Proceedings of the ASME 2016 Computers and Information in Engineering Conference IDETC/CIE 2016*., DETC2016-60473, ASME, Charlotte, North Carolina , 1/01/00. <https://doi.org/10.1115/DETC2016-60473>

Bragadin, M & Kähkönen, K 2016, 'Schedule health assessment of construction projects', *Construction Management and Economics*, Vuosikerta. 34, Nro 12, Sivut 875-897. <https://doi.org/10.1080/01446193.2016.1205751>

Tampio, E, Marttinen, S & Rintala, J 2016, 'Liquid fertilizer products from anaerobic digestion of food waste: Mass, nutrient and energy balance of four digestate liquid treatment systems', *Journal of Cleaner Production*, Vuosikerta. 125, Sivut 22-32. <https://doi.org/10.1016/j.jclepro.2016.03.127>

Sillanpää, E, Junnonen, J-M, Sillanpää, I & Saari, A 2016, 'A Customer's Possibilities to Increase the Performance of a Service Provider by Adding Value and Deepening the Partnership in Facility Management Service', *Management and Production Engineering Review*, Vuosikerta. 7, Nro 2, Sivut 50-61. <https://doi.org/10.1515/mper-2016-0017>

Einolander, J 2016, 'Organizational Commitment and Engagement in Two Finnish Energy Sector Organizations', *Human Factors and Ergonomics in Manufacturing*, Vuosikerta. 26, Nro 3, Sivut 408-423. <https://doi.org/10.1002/hfm.20664>

Korkiakoski, S, Brøndsted, P, Sarlin, E & Saarela, O 2016, 'Influence of specimen type and reinforcement on measured tension-tension fatigue life of unidirectional GFRP laminates', *International Journal of Fatigue*, Vuosikerta. 85, Sivut 114-129. <https://doi.org/10.1016/j.ijfatigue.2015.12.008>

Shahzad, K, Sillanpää, I, Sillanpää, E & Imeri, S 2016, 'Benchmarking supplier development: An empirical case study of validating a framework to improve buyer-supplier relationship', *Management and Production Engineering Review*, Vuosikerta. 7, Nro 1, Sivut 56-70. <https://doi.org/10.1515/mper-2016-0007>

Mahlamäki, K, Niemi, A, Jokinen, J & Borgman, J 2016, 'Importance of maintenance data quality in extended warranty simulation', *International Journal of COMADEM*, Vuosikerta. 19, Nro 1, Sivut 3-10.

Kaksonen, AH, Särkijärvi, S, Puhakka, JA, Peuraniemi, E, Junnikkala, S & Tuovinen, OH 2016, 'Chemical and bacterial leaching of metals from a smelter slag in acid solutions', *Hydrometallurgy*, Vuosikerta. 159, Sivut 46-53. <https://doi.org/10.1016/j.hydromet.2015.10.032>

Paris, H, Mokhtarian, H, Coatanea, E, Museau, M & Ituarte, IF 2016, 'Comparative environmental impacts of additive and subtractive manufacturing technologies', *CIRP Annals: Manufacturing Technology*, Vuosikerta. 65, Nro 1, Sivut 29-32. <https://doi.org/10.1016/j.cirp.2016.04.036>

Juuti, T, Rättyä, K & Lehtonen, T 2016, Learning logs in product development education. julkaisussa *Proceedings of the 18th International Conference on Engineering and Product Design Education: Design Education: Collaboration and Cross-Disciplinarity, E and PDE 2016*. Institution of Engineering Designers, The Design Society, Sivut 296-301, INTERNATIONAL CONFERENCE ON ENGINEERING AND PRODUCT DESIGN EDUCATION, 1/01/00.

Grosu, MC, Lupu, IG, Cramariuc, O & Hristian, L 2016, 'Magnetic cotton yarns: optimization of magnetic properties', *Journal of the Textile Institute*, Vuosikerta. 107, Nro 6, Sivut 757-765. <https://doi.org/10.1080/00405000.2015.1061761>

Ramis Ferrer, B, Iarovyj, S, Gonzalez, L, Lobov, A & Martinez Lastra, JL 2016, 'Management of distributed knowledge encapsulated in embedded devices', *International Journal of Production Research*, Vuosikerta. 54, Nro 18, Sivut 1-18. <https://doi.org/10.1080/00207543.2015.1120902>

Stentoft, J, Olhager, J, Heikkilä, J & Thoms, L 2016, 'Manufacturing backshoring : a systematic literature review', *OPERATIONS MANAGEMENT RESEARCH*, Vuosikerta. 9, Nro 3, Sivut 53-61. <https://doi.org/10.1007/s12063-016-0111-2>

Jain, R, Dominic, D, Jordan, N, Rene, ER, Weiss, S, van Hullebusch, ED, Hübner, R & Lens, PNL 2016, 'Preferential adsorption of Cu in a multi-metal mixture onto biogenic elemental selenium nanoparticles', *Chemical Engineering Journal*, Vuosikerta. 284, Sivut 917-925. <https://doi.org/10.1016/j.cej.2015.08.144>

Mäki, AJ, Peltokangas, M, Kreutzer, J, Auvinen, S & Kallio, P 2015, 'Modeling carbon dioxide transport in PDMS-based microfluidic cell culture devices', *Chemical Engineering Science*, Vuosikerta. 137, Sivut 515-524. <https://doi.org/10.1016/j.ces.2015.06.065>

Seo, JY, Lee, K, Ramasamy, P, Kim, B, Lee, SY, Oh, YK & Park, SB 2015, 'Tri-functionality of Fe₃O₄-embedded carbon microparticles in microalgae harvesting', *Chemical Engineering Journal*, Vuosikerta. 280, Sivut 206-214. <https://doi.org/10.1016/j.cej.2015.05.122>

Tampio, E, Ervasti, S & Rintala, J 2015, 'Characteristics and agronomic usability of digestates from laboratory digesters treating food waste and autoclaved food waste', *Journal of Cleaner Production*, Vuosikerta. 94, Sivut 86-92. <https://doi.org/10.1016/j.jclepro.2015.01.086>

Alaviitala, T & Mattila, TJ 2015, 'Engineered nanomaterials reduce but do not resolve life cycle environmental impacts of power capacitors', *Journal of Cleaner Production*, Vuosikerta. 93, Sivut 347-353. <https://doi.org/10.1016/j.jclepro.2015.01.036>

Karvountzis-Kontakiotis, A, Ntziachristos, L, Samaras, Z, Dimaratos, A & Peckham, M 2015, Experimental Investigation of Cyclic Variability on Combustion and Emissions of a High-Speed SI Engine. julkaisussa *SAE 2015 World Congress and Exhibition*. April toim, Vuosikerta. 2015-April, SAE International, Detroit, Yhdysvallat, 21/04/15. <https://doi.org/10.4271/2015-01-0742>

Di Gironimo, G, Lanzotti, A, Marzullo, D, Esposito, G, Carfora, D & Siuko, M 2015, 'Iterative and Participative Axiomatic Design Process in complex mechanical assemblies: case study on fusion engineering', *International Journal on Interactive Design and Manufacturing*, Vuosikerta. 9, Nro 4, Sivut 325-338. <https://doi.org/10.1007/s12008-015-0270-7>

Mäkinen, SJ, Dedehayir, O & Ortt, R 2015, Exploring effects of ecosystem clockspeed on product performance. julkaisussa *IEEE International Conference on Industrial Engineering and Engineering Management*. Vuosikerta. 2015-January, 7058880, IEEE COMPUTER SOCIETY PRESS, Sivut 1457-1461, IEEE International Conference on Industrial Engineering and Engineering Management, 1/01/00. <https://doi.org/10.1109/IEEM.2014.7058880>

Mäkinen, SJ 2015, Internet-of-things disrupting business ecosystems: A case in home automation. julkaisussa *IEEM 2014: 2014 IEEE International Conference on Industrial Engineering and Engineering Management*. IEEE COMPUTER SOCIETY PRESS, Sivut 1467-1470, IEEE International Conference on Industrial Engineering and Engineering Management, 1/01/00. <https://doi.org/10.1109/IEEM.2014.7058882>

Koho, M, Tapaninaho, M, Heilala, J & Torvinen, S 2015, 'Towards a concept for realizing sustainability in the manufacturing industry', *Journal of Industrial and Production Engineering*, Vuosikerta. 32, Nro 1, Sivut 12-22. <https://doi.org/10.1080/21681015.2014.1000402>

Hasani, M, Vena, A, Sydänheimo, L, Tentzeris, MM & Ukkonen, L 2015, 'A Novel Enhanced-Performance Flexible RFID-Enabled Embroidered Wireless Integrated Module for Sensing Applications', *IEEE Transactions on Components, Packaging and Manufacturing Technology*, Vuosikerta. 5, Nro 9, Sivut 1244-1252. <https://doi.org/10.1109/TCPMT.2015.2461661>

Di Capua, F, Papirio, S, Lens, PNL & Esposito, G 2015, 'Chemolithotrophic denitrification in biofilm reactors', *Chemical Engineering Journal*, Vuosikerta. 280, Sivut 643-657. <https://doi.org/10.1016/j.cej.2015.05.131>

Karavalakis, G, Short, D, Chen, V, Espinoza, C, Berte, T, Durbin, T, Asa-Awuku, A, Jung, H, Ntziachristos, L, Amanatidis, S & Bergmann, A 2014, Evaluating Particulate Emissions from a Flexible Fuel Vehicle with Direct Injection when Operated on Ethanol and Iso-butanol Blends. julkaisussa *SAE 2014 International Powertrains, Fuels and Lubricants Meeting, FFL 2014*. Vuosikerta. 2014-October, SAE International, Birmingham, Iso-Britannia, 20/10/14. <https://doi.org/10.4271/2014-01-2768>

Karamanakos, P, Geyer, T, Oikonomou, N, Kieferndorf, FD & Manias, S 2014, 'Direct model predictive control: A review of strategies that achieve long prediction intervals for power electronics', *IEEE Industrial Electronics Magazine*, Vuosikerta. 8, Nro 1, Sivut 32-43. <https://doi.org/10.1109/MIE.2013.2290474>

Rasilo, P, Belahcen, A & Arkkio, A 2014, 'Effect of rotor pole-shoe construction on losses of inverter-fed synchronous motors', *IEEE Transactions on Industry Applications*, Vuosikerta. 50, Nro 1, Sivut 208-217. <https://doi.org/10.1109/TIA.2013.2266631>

Qvintus, P, Kataja, K, Heikkilä, P, Salmela, J, Lehmonen, J, Ketoja, J, Hänninen, T, Harlin, A, Härkäsalmi, T, Vuorinen, J & Vuorinen, T 2014, Design driven world of cellulose-from bulk to luxury? julkaisussa *Fibre Value Chain Conference and Expo 2014: Pulp and Paper Bioenergy Bioproducts*. Appita Inc., Sivut 67-74, Iso-Britannia, 1/01/00.

Amanatidis, S, Ntziachristos, L, Samaras, Z, Kouridis, C, Janka, K & Tikkanen, J 2014, Use of a PPS sensor in evaluating the impact of fuel efficiency improvement technologies on the particle emissions of a euro 5 diesel car. julkaisussa *SAE 2014 World Congress and Exhibition*. Vuosikerta. 1, SAE International, Detroit, MI, Yhdysvallat, 8/04/14. <https://doi.org/10.4271/2014-01-1601>

Oikonomou, N, Gutscher, C, Karamanakos, P, Kieferndorf, FD & Geyer, T 2013, 'Model predictive pulse pattern control for the five-level active neutral-point-clamped inverter', *IEEE Transactions on Industry Applications*, Vuosikerta. 49, Nro 6, Sivut 2583-2592. <https://doi.org/10.1109/TIA.2013.2263273>

Bayr, S, Kaparaju, P & Rintala, J 2013, 'Screening pretreatment methods to enhance thermophilic anaerobic digestion of pulp and paper mill wastewater treatment secondary sludge', *Chemical Engineering Journal*, Vuosikerta. 223, Sivut 479-486. <https://doi.org/10.1016/j.cej.2013.02.119>

Debnath, SC, Das, A, Basu, D & Heinrich, G 2013, 'Naturally occurring amino acids: A suitable substitute of N-N-di-phenyl guanidine (DPG) in silica tyre formulation?', *KGK: KAUTSCHUK GUMMI KUNSTSTOFFE*, Vuosikerta. 66, Nro 1-2, Sivut 25-31.

Amanatidis, S, Ntziachristos, L, Samaras, Z, Janka, K & Tikkanen, J 2013, Applicability of the Pegasor particle sensor to measure particle number, mass and PM emissions. julkaisussa *11th International Conference on Engines and Vehicles, ICE 2013*. Vuosikerta. 6, Capri, Naples, Italia, 15/09/13. <https://doi.org/10.4271/2013-24-0167>

Ntziachristos, L, Amanatidis, S, Samaras, Z, Janka, K & Tikkanen, J 2013, Application of the pegasor particle sensor for the measurement of mass and particle number emissions. julkaisussa *SAE 2013 World Congress and Exhibition*. Vuosikerta. 2, SAE International, Detroit, MI, Yhdysvallat, 16/04/13. <https://doi.org/10.4271/2013-01-1561>

Christophe, F, Mokammel, F, Coatanea, E & Bakhouya, M 2013, Integration of evaluation and simulation methods for virtual prototypes. julkaisussa *Proceedings of the 15th International Conference on Engineering and Product Design Education: Design Education - Growing Our Future, EPDE 2013*. Sivut 623-628, Dublin, Irlanti, 5/09/13.

Ogeya, MC, Coatanéa, E & Medyna, G 2013, Theory driven design and real proto typing of biomass pyrolytic stove. julkaisussa *Proceedings of the International Conference on Engineering Design, ICED*. Vuosikerta. 9 DS75-09, Sivut 69-78, International Conference on Engineering Design, 1/01/00.

Ntziachristos, L, Amanatidis, S, Samaras, Z, Giechaskiel, B & Bergmann, A 2013, Use of a catalytic stripper as an alternative to the original PMP measurement protocol. julkaisussa *SAE 2013 World Congress and Exhibition*. Vuosikerta. 2, SAE International, Detroit, MI, Yhdysvallat, 16/04/13. <https://doi.org/10.4271/2013-01-1563>

Subramaniam, K, Das, A & Heinrich, G 2012, 'Highly conducting polychloroprene composites based on multi-walled carbon nanotubes and 1-butyl 3-methyl imidazolium bis(trifluoromethylsulphonyl)imide', *KGK: KAUTSCHUK GUMMI KUNSTSTOFFE*, Vuosikerta. 65, Nro 7-8, Sivut 44-46.

Lehtiranta, L, Kärnä, S, Junnonen, JM & Julin, P 2012, 'The role of multi-firm satisfaction in construction project success', *Construction Management and Economics*, Vuosikerta. 30, Nro 6, Sivut 463-475. <https://doi.org/10.1080/01446193.2012.669485>

Lee, H, Shaker, G, Lakafosis, V, Vyas, R, Thai, T, Kim, S, Yi, X, Wang, Y & Tentzeris, M 2012, Antenna-based smart skin sensors for sustainable, wireless sensor networks. julkaisussa *2012 IEEE International Conference on Industrial Technology, ICIT 2012, Proceedings.*, 6209936, Sivut 189-193, Athens, Kreikka, 19/03/12. <https://doi.org/10.1109/ICIT.2012.6209936>

Kim, M, Clingerman, MC, Kawczak, AW & Berger, PR 2012, Demonstration of hybrid prototype sealant for encapsulating organic photovoltaics. julkaisussa *2012 IEEE 38th Photovoltaic Specialists Conference, PVSC 2012*. PART 2 toim, Austin, TX, Yhdysvallat, 3/06/12. <https://doi.org/10.1109/PVSC-Vol2.2013.6656714>

Medyna, G, Coatanea, E & Millet, D 2011, Environmental and economic evaluation of solar thermal panels using exergy and dimensional analysis. julkaisussa *Glocalized Solutions for Sustainability in Manufacturing - Proceedings of the 18th CIRP International Conference on Life Cycle Engineering*. Sivut 647-651, Saksa, 1/01/00. https://doi.org/10.1007/978-3-642-19692-8_112

Ntziachristos, L, Fragkiadoulakis, P, Samaras, Z, Janka, K & Tikkanen, J 2011, Exhaust particle sensor for OBD application. julkaisussa *SAE 2011 World Congress and Exhibition.*, Detroit, MI, Yhdysvallat, 12/04/11. <https://doi.org/10.4271/2011-01-0626>

Boutellier, J, Lucarz, C, Gomez, VM, Mattavelli, M & Silvén, O 2011, Multiprocessor scheduling of dataflow programs within the reconfigurable video coding framework. julkaisussa *Algorithm-Architecture Matching for Signal and Image Processing - Best Papers from Design and Architectures for Signal and Image Processing 2007 and 2008 and 2009*. Vuosikerta. 73 LNEE, Lecture Notes in Electrical Engineering, Vuosikerta. 73 LNEE, Sivut 237-251. https://doi.org/10.1007/978-90-481-9965-5_11

Christophe, F, Sell, R, Coatanea, E & Micaëlli, JP 2008, Integrated design framework: Towards an approach for early design. julkaisussa *DS 46: Proceedings of E and PDE 2008, the 10th International Conference on Engineering and Product Design Education.*, Barcelona, Espanja, 4/09/08.

Jokinen, J, Makkonen, P, Saarelainen, T & Coatanéa, E 2007, A strategy for cast part shape design optimisation. julkaisussa *Proceedings of ICED 2007, the 16th International Conference on Engineering Design*. Vuosikerta. DS 42, International Conference on Engineering Design, 1/01/00.

Coatanéa, E, Yannou, B, Boughnim, N, Makkonen, PE, Lajunen, A, Saarelainen, T & Bertoluci, G 2007, Combining analysis of different performances through the use of dimensional analysis. julkaisussa *Proceedings of ICED 2007, the 16th International Conference on Engineering Design*. Vuosikerta. DS 42, International Conference on Engineering

Design, 1/01/00.

Saarelainen, T, Makkonen, PE & Coatanéa, E 2007, Industrial study of cast part development. julkaisussa *Proceedings of ICED 2007, the 16th International Conference on Engineering Design*. Vuosikerta. DS 42, International Conference on Engineering Design, 1/01/00.

Ozbay, E, Bulu, I, Aydin, K, Caglayan, H, Alici, KB & Guven, K 2005, 'Highly directive radiation and negative refraction using photonic crystals', *Laser Physics*, Vuosikerta. 15, Nro 2, Sivut 217-224.