

Vuorimaa, Valtteri et al. "Factors affecting the organizational readiness to design autonomous machine systems: Towards an evaluation framework"., Arai, Kohei Kapoor, Supriya Bhatia, Rahul (toimittaneet). *Intelligent Systems and Applications - Proceedings of the 2020 Intelligent Systems Conference IntelliSys Volume 3. Advances in Intelligent Systems and Computing*. Springer. 2021, 742-747. [https://doi.org/10.1007/978-3-030-55190-2\\_62](https://doi.org/10.1007/978-3-030-55190-2_62)

Khodamoradi, Aram et al. "Simultaneous Identification of Multiple Control Loops in DC Microgrid Power Converters". *IEEE Transactions on Industrial Electronics*. 2020, 67(12). 10641-10651. <https://doi.org/10.1109/TIE.2019.2958286>

Turunen, Esko. "Necessary and sufficient conditions for the existence of solution of generalized fuzzy relation equations  $A \Leftrightarrow X = B$ ". *Information Sciences*. 2020, 536. 351-357. <https://doi.org/10.1016/j.ins.2020.05.015>

Netzev, Metodi, Alexandre Angleraud, ja Roel Pieters. "Soft robotic gripper with compliant cell stacks for industrial part handling". *IEEE Robotics and Automation Letters*. 2020, 5(4). 6821-6828. <https://doi.org/10.1109/LRA.2020.3020546>

Dubljevic, Stevan ja Jukka-Pekka Humaloja. "Model predictive control for regular linear systems". *Automatica*. 2020. 119. <https://doi.org/10.1016/j.automatica.2020.109066>

Lampinen, Santeri, Jouni Niemi, ja Jouni Mattila "Flow-bounded trajectory-scaling algorithm for hydraulic robotic manipulators". *2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020*. IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM. IEEE. 2020, 619-624. <https://doi.org/10.1109/AIM43001.2020.9158851>

Ghorbani, Modjtaba et al. "On the zeros of the partial Hosoya polynomial of graphs". *Information Sciences*. 2020, 524. 199-215. <https://doi.org/10.1016/j.ins.2020.03.011>

Ryynänen, Tomi et al. "Transparent microelectrode arrays fabricated by ion beam assisted deposition for neuronal cell in vitro recordings". *Micromachines*. 2020. 11(5). <https://doi.org/10.3390/M11050497>

Agostini, Thales et al. "Effect of energy recovery on efficiency in electro-hydrostatic closed system for differential actuator". *Actuators*. 2020. 9(1). <https://doi.org/10.3390/act9010012>

Raitoharju, M. et al. "Gaussian mixture models for signal mapping and positioning". *Signal Processing*. 2020. 168. <https://doi.org/10.1016/j.sigpro.2019.107330>

Belardini, Alessandro et al. "Circular dichroism in the second harmonic field evidenced by asymmetric Au coated GaAs nanowires". *Micromachines*. 2020, 11(2). 1-8. <https://doi.org/10.3390/mi11020225>

Paunonen, Lassi ja David Seifert. "Asymptotics and approximation of large systems of ordinary differential equations". *Systems and Control Letters*. 2020. 140. <https://doi.org/10.1016/j.sysconle.2020.104703>

Michalás, Antonis ja Tamas Kiss "Charlie and the CryptoFactory: Towards Secure and Trusted Manufacturing Environments". *20th IEEE Mediterranean Electrotechnical Conference, MELECON 2020: Proceedings*. IEEE Mediterranean Electrotechnical Conference. IEEE. 2020, 141-146. <https://doi.org/10.1109/MELECON48756.2020.9140712>

Casoli, Paolo et al. "Comparative energy analysis of a load sensing system and a zonal hydraulics for a 9-tonne excavator". *Actuators*. 2020. 9(2). <https://doi.org/10.3390/ACT9020039>

Okkonen, Jussi, Tanja Helle, ja Hanna Lindsten "Ethical considerations on using learning analytics in Finnish higher education"., Nazir, Salman Ahrām, Tareq Karwowski, Waldemar (toimittaneet). *Advances in Human Factors in Training, Education, and Learning Sciences: Proceedings of the AHFE 2020 Virtual Conference on Human Factors in Training, Education, and Learning Sciences, July 16-20, 2020, USA*. Advances in Intelligent Systems and Computing. Springer. 2020, 77-85. [https://doi.org/10.1007/978-3-030-50896-8\\_12](https://doi.org/10.1007/978-3-030-50896-8_12)

Okkonen, Jussi, Tanja Helle, ja Hanna Lindsten "Expectation differences between students and staff of using learning analytics in finnish universities"., Rocha, Álvaro ja Ferrás, Carlos Montenegro Marin, Carlos Enrique Medina García, Víctor Hugo (toimittaneet). *Information Technology and Systems: Proceedings of ICITS 2020*. Advances in Intelligent Systems and Computing. Springer. 2020, 383-393. [https://doi.org/10.1007/978-3-030-40690-5\\_38](https://doi.org/10.1007/978-3-030-40690-5_38)

Ali, Ihtisham et al. "FinnForest dataset: A forest landscape for visual SLAM". *ROBOTICS AND AUTONOMOUS SYSTEMS*. 2020. 132. <https://doi.org/10.1016/j.robot.2020.103610>

Singh, Arun Kumar et al. "Introducing Multi-Convexity in Path Constrained Trajectory Optimization for Mobile Manipulators". *European Control Conference 2020, ECC 2020*. IEEE. 2020, 1178-1185.

Lauri, Mikko et al. "Multi-sensor next-best-view planning as matroid-constrained submodular maximization". *IEEE Robotics and Automation Letters*. 2020, 5(4). 5323-5330. <https://doi.org/10.1109/LRA.2020.3007445>

Pajarinen, Joni et al. "Probabilistic approach to physical object disentangling". *IEEE Robotics and Automation Letters*. 2020, 5(4). 5510-5517. <https://doi.org/10.1109/LRA.2020.3006789>

Turunen, Mika et al. "Quantifying the pore structure of different biochars and their impacts on the water retention properties of Sphagnum moss growing media". *Biosystems Engineering*. 2020, 191. 96-106. <https://doi.org/10.1016/j.biosystemseng.2020.01.006>

Mäkinen, Petri et al. "Redundancy-based visual tool center point pose estimation for long-reach manipulators". *2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020*. IEEE/ASME International Conference on Advanced Intelligent Mechatronics. IEEE. 2020, 1387-1393. <https://doi.org/10.1109/AIM43001.2020.9159022>

Gusrialdi, Azwirman et al. "Resilient Cooperative Voltage Control for Distribution Network with High Penetration Distributed Energy Resources". *European Control Conference 2020, ECC 2020*. IEEE. 2020, 1533-1539.

Okkonen, Jussi et al. "Using AI to Decrease Demand and Supply Mismatch in ITC Labour Market"., Nazir, Salman Ahram, Tareq Karwowski, Waldemar (toimittaneet). *Advances in Human Factors in Training, Education, and Learning Sciences - Proceedings of the AHFE 2020 Virtual Conference on Human Factors in Training, Education, and Learning Sciences: Proceedings of the AHFE 2020 Virtual Conference on Human Factors in Training, Education, and Learning Sciences, July 16-20, 2020, USA*. Advances in Intelligent Systems and Computing. Springer. 2020, 310-316. [https://doi.org/10.1007/978-3-030-50896-8\\_44](https://doi.org/10.1007/978-3-030-50896-8_44)

Ni, Xingyang ja Heikki Huttunen. "Vehicle Attribute Recognition by Appearance: Computer Vision Methods for Vehicle Type, Make and Model Classification". *Journal of Signal Processing Systems*. 2020. <https://doi.org/10.1007/s11265-020-01567-6>

Sadovaya, Yekaterina et al. "Geometry-Based V2V Channel Modeling over Millimeter-Wave in Highway Scenarios". *11th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops, ICUMT 2019*. International Congress on Ultra Modern Telecommunications and Control Systems and Workshops. IEEE. 2019. <https://doi.org/10.1109/ICUMT48472.2019.8971006>

Masek, Pavel et al. "Implementation of 3GPP LTE Cat-M1 Technology in NS-3: System Simulation and Performance". *11th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops, ICUMT 2019*. International Congress on Ultra Modern Telecommunications and Control Systems and Workshops. IEEE. 2019. <https://doi.org/10.1109/ICUMT48472.2019.8970869>

Mikhaylov, Konstantin et al. "Multi-Radio Perspectives for Massive MTC Localization: Energy Consumption and Utility". *11th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops, ICUMT 2019*. International Congress on Ultra Modern Telecommunications and Control Systems and Workshops. IEEE. 2019. <https://doi.org/10.1109/ICUMT48472.2019.8970969>

Zhukov, Fedor et al. "On Load-Aware Cell Association Schemes for Group User Mobility in mmWave Networks". *11th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops, ICUMT 2019*. International Congress on Ultra Modern Telecommunications and Control Systems and Workshops. IEEE. 2019. <https://doi.org/10.1109/ICUMT48472.2019.8970824>

Rajput, Shailendra et al. "An approval of MPPT based on pv cell's simplified equivalent circuit during fast-shading conditions". *Electronics (Switzerland)*. 2019. 8(9). <https://doi.org/10.3390/electronics8091060>

Niu, Longchuan et al. "Efficient 3D visual perception for robotic rock breaking". *2019 IEEE 15th International Conference on Automation Science and Engineering, CASE 2019*. IEEE International Conference on Automation Science and Engineering. IEEE. 2019, 1124-1130. <https://doi.org/10.1109/COASE.2019.8842859>

Yu, Guihai et al. "Hermitian normalized Laplacian matrix for directed networks". *Information Sciences*. 2019, 495. 175-184. <https://doi.org/10.1016/j.ins.2019.04.049>

Mansour, M. et al. "Depth estimation with ego-motion assisted monocular camera". *Gyroscope and Navigation*. 2019, 10(3). 111-123. <https://doi.org/10.1134/S2075108719030064>

Phan, Duy ja Sérgio S. Rodrigues. "Approximate Controllability for Navier–Stokes Equations in 3D Rectangles Under Lions Boundary Conditions". *Journal of Dynamical and Control Systems*. 2019, 25(3). 351-376. <https://doi.org/10.1007/s10883-018-9412-0>

Shu, Beibei, Gabor Sziebig, ja Roel Pieters "Architecture for Safe Human-Robot Collaboration: Multi-Modal Communication in Virtual Reality for Efficient Task Execution". *2019 IEEE 28th International Symposium on Industrial Electronics, ISIE 2019*. IEEE. 2019, 2297-2302. <https://doi.org/10.1109/ISIE.2019.8781372>

Huhtala, Konsta ja Lassi Paunonen "Robust output regulation of counter-flow heat exchangers". *3rd IFAC Workshop on Control of Systems Governed by Partial Differential Equations, CPDE 2019*. IFAC-PapersOnLine. IFAC. 2019, 201-206. <https://doi.org/10.1016/j.ifacol.2019.08.036>

Humaloja, Jukka-Pekka ja Lassi Paunonen "The internal model principle for boundary control systems with polynomially bounded exogenous signals". *3rd IFAC Workshop on Control of Systems Governed by Partial Differential Equations, CPDE 2019*. IFAC-PapersOnLine. IFAC. 2019, 156-161. <https://doi.org/10.1016/j.ifacol.2019.08.028>

Humaloja, Jukka Pekka, Mikael Kurula, ja Lassi Paunonen. "Approximate robust output regulation of boundary control systems". *IEEE Transactions on Automatic Control*. 2019, 64(6). 2210-2223. <https://doi.org/10.1109/TAC.2018.2884676>

Pyrhönen, Veli-Pekka ja Matti Vilkkö "Improving tracking performance of composite nonlinear feedback controllers via new reset and hold feature of nonlinear functions". Juuso, Esko (toim.). *Automaatiopäivät 23: 15-16.5.2019 Oulu.. Oulu: Suomen Automaatioseura*. 2019.

Pyrhönen, Veli-Pekka "Robust and perfect tracking control of a DC servo motor". Juuso, Esko (toim.). *Automaatiopäivät 23: 15-16.5.2019, Oulu*. Oulu: Suomen Automaatioseura. 2019.

Itävuori, Pekka et al. "Mass balance control of crushing circuits". *Minerals Engineering*. 2019, 135. 37-47. <https://doi.org/10.1016/j.mineng.2019.02.033>

Koivumäki, Janne, Wen Hong Zhu, ja Jouni Mattila. "Energy-efficient and high-precision control of hydraulic robots". *Control Engineering Practice*. 2019, 85. 176-193. <https://doi.org/10.1016/j.conengprac.2018.12.013>

Bhargava, Nidhi et al. "Double Shadowing the Rician Fading Model". *IEEE Wireless Communications Letters*. 2019, 8(2). 344-347. <https://doi.org/10.1109/LWC.2018.2871677>

Backas, Joni ja Reza Ghabcheloo. "Nonlinear model predictive energy management of hydrostatic drive transmissions". *Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering*. 2019, 233(3). 335-347. <https://doi.org/10.1177/0959651818793454>

Moltchanov, Dmitri et al. "Improving Session Continuity with Bandwidth Reservation in mmWave Communications". *IEEE Wireless Communications Letters*. 2019, 8(1). 105-108. <https://doi.org/10.1109/LWC.2018.2859988>

Puonti, Mikko ja Timo Raitalaakso "Data Vault Mappings to Dimensional Model Using Schema Matching"., Doucek, Petr, Basl, Josef ja Pavlicek, Antonin Tjoa, A Min Detter, Katrin Raffai, Maria (toimittaneet). *Research and Practical Issues of Enterprise Information Systems - 13th IFIP WG 8.9 International Conference, CONFENIS 2019, Proceedings*. Lecture Notes in Business Information Processing. Springer. 2019, 55-64. [https://doi.org/10.1007/978-3-030-37632-1\\_5](https://doi.org/10.1007/978-3-030-37632-1_5)

Begishev, V. O. et al. "Performance evaluation of bandwidth reservation for mmWave 5G NR systems". *Informatsionno-Upravliaiushchie Sistemy*. 2019, (5). 51-63. <https://doi.org/10.31799/1684-8853-2019-5-51-63>

Dehmer, Matthias et al. "Towards detecting structural branching and cyclicity in graphs: A polynomial-based approach". *Information Sciences*. 2019, 471. 19-28. <https://doi.org/10.1016/j.ins.2018.08.043>

Al-Ars, Zaid et al. "ALMARVI System Solution for Image and Video Processing in Healthcare, Surveillance and Mobile Applications". *Journal of Signal Processing Systems*. 2019, 91(1). 1-7. <https://doi.org/10.1007/s11265-018-1423-2>

Halonen, Nillo, Matti Majuri, ja Minna Lanz. "Characteristics of a circular economy framework to support strategic renewal in manufacturing firms". *Procedia CIRP*. 2019, 81. 653-658. <https://doi.org/10.1016/j.procir.2019.03.171>

Taivalsaari, Antero et al. "Client-Side Cornucopia: Comparing the Built-In Application Architecture Models in the Web Browser"., Escalona, María José ja Domínguez Mayo, Francisco Majchrzak, Tim A. Monfort, Valérie (toimittaneet). *Web Information Systems and Technologies - 14th International Conference, WEBIST 2018, Revised Selected Papers*. Lecture Notes in Business Information Processing. Springer. 2019, 1-24. [https://doi.org/10.1007/978-3-030-35330-8\\_1](https://doi.org/10.1007/978-3-030-35330-8_1)

Changizi, Alireza, Morteza Dianatfar, ja Minna Lanz "Comfort Design in Human Robot Cooperative Tasks". *Human Systems Engineering and Design - Proceedings of the 1st International Conference on Human Systems Engineering and Design IHSED2018: Future Trends and Applications*. Advances in Intelligent Systems and Computing. Springer Verlag. 2019, 521-526. [https://doi.org/10.1007/978-3-030-02053-8\\_79](https://doi.org/10.1007/978-3-030-02053-8_79)

Reunanen, Tero ja Hannu Vanharanta "Correlations between holistic awareness of time and innovativeness". *Advances in Human Factors, Business Management and Society - Proceedings of the AHFE 2018 International Conference on Human Factors, Business Management and Society, 2018*. Advances in Intelligent Systems and Computing. Springer. 2019, 105-117. [https://doi.org/10.1007/978-3-319-94709-9\\_11](https://doi.org/10.1007/978-3-319-94709-9_11)

Okkonen, Jussi, Vilma Vuori, ja Miikka Palvalin "Digitalization Changing Work: Employees' View on the Benefits and Hindrances"., Paredes, Manolo Ferrás, Carlos Rocha, Álvaro (toimittaneet). *Information Technology and Systems - Proceedings of ICITS 2019*. Advances in Intelligent Systems and Computing. Springer Verlag. 2019, 165-176. [https://doi.org/10.1007/978-3-030-11890-7\\_17](https://doi.org/10.1007/978-3-030-11890-7_17)

Pascual Campo, Pablo et al. "Digital Predistortion for 5G Small Cell: GPU Implementation and RF Measurements". *Journal of Signal Processing Systems*. 2019. <https://doi.org/10.1007/s11265-019-01502-4>

Joshy, Arjun et al. "Experimental analysis on the turning of aluminum alloy 7075 based on Taguchi method and artificial neural network". *Journal European des Systemes Automatises*. 2019, 52(5). 429-437. <https://doi.org/10.18280/jesa.520501>

Heikkinen, Jani Erik et al. "Hardware-in-the-loop platform for testing autonomous vehicle control algorithms"., Al-Jumeily, Dhiya, Hind, Jade, Mustafina, Jamila Al-Hajj, Assem Hussain, Abir Magid, Evgeni Tawfik, Hissam (toimittaneet). *Proceedings - 12th International Conference on the Developments in eSystems Engineering, DeSE 2019*. International

Conference on Developments in eSystems Engineering, DeSE. IEEE. 2019, 906-911.  
<https://doi.org/10.1109/DeSE.2019.00168>

Nenonen, Noora, Jouni Kivistö-Rahnasto ja Sanna Anttila "How workplaces actually carry out OSH-related risk assessment and management". Arezes, Pedro M. (toim.). *Advances in Safety Management and Human Factors - Proceedings of the AHFE 2019 International Conference on Safety Management and Human Factors*. Advances in Intelligent Systems and Computing. Springer Verlag. 2019, 239-251. [https://doi.org/10.1007/978-3-030-20497-6\\_22](https://doi.org/10.1007/978-3-030-20497-6_22)

Gao, Qiang et al. "Investigation on positioning control strategy and switching optimization of an equal coded digital valve system". *Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering*. 2019. <https://doi.org/10.1177/0959651819884749>

Mattsson, Jasperiina, Raija Nurminen ja Tero Reunanen "LeanGame, a digital training tool to implement lean philosophy". *Advances in Human Factors, Business Management and Society - Proceedings of the AHFE 2018 International Conference on Human Factors, Business Management and Society, 2018*. Advances in Intelligent Systems and Computing. Springer. 2019, 26-35. [https://doi.org/10.1007/978-3-319-94709-9\\_3](https://doi.org/10.1007/978-3-319-94709-9_3)

Kislitsyn, A. A. et al. "On the Distribution of the Stationary Point of Significance Level for Empirical Distribution Function". *2018 10th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT)*. International Congress on Ultra Modern Telecommunications and Control Systems and Workshops. IEEE COMPUTER SOCIETY PRESS. 2019. <https://doi.org/10.1109/ICUMT.2018.8631234>

Klimoff, Saija, Raija Nurminen ja Tero Reunanen "Organizational development-lean thinking through the LeanGame learning game". *Advances in Human Factors, Business Management and Society - Proceedings of the AHFE 2018 International Conference on Human Factors, Business Management and Society, 2018*. Advances in Intelligent Systems and Computing. Springer. 2019, 97-104. [https://doi.org/10.1007/978-3-319-94709-9\\_10](https://doi.org/10.1007/978-3-319-94709-9_10)

Lemougna, Patrick N. et al. "Spodumene tailings for porcelain and structural materials: Effect of temperature (1050–1200°C) on the sintering and properties". *Minerals Engineering*. 2019.  
<https://doi.org/10.1016/j.mineng.2019.105843>

Dianatfar, Morteza, Jyrki Latokartano, ja Minna Lanz. "Task balancing between human and robot in mid-heavy assembly tasks". *Procedia CIRP*. 2019, 81. 157-161. <https://doi.org/10.1016/j.procir.2019.03.028>

Linjama, Matti. "Variable speed digital hydraulic transformer-based servo drive". *Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering*. 2019.  
<https://doi.org/10.1177/0959651819869145>

Raunio, Jukka-Pekka ja Risto Ritala. "Active scanner control on paper machines". *Journal of Process Control*. 2018, 72. 74-90. <https://doi.org/10.1016/j.jprocont.2018.09.012>

Badarneh, Osamah S. et al. "On the Sum of Fisher-Snedecor F Variates and its Application to Maximal-Ratio Combining". *IEEE Wireless Communications Letters*. 2018, 7(6). 966-969. <https://doi.org/10.1109/LWC.2018.2836453>

Hautala, Ilkka et al. "Toward Efficient Execution of RVC-CAL Dataflow Programs on Multicore Platforms". *Journal of Signal Processing Systems*. 2018, 90(11). 1507-1517. <https://doi.org/10.1007/s11265-018-1339-x>

Dehmer, Matthias et al. "Graph measures with high discrimination power revisited: A random polynomial approach". *Information Sciences*. 2018, 467. 407-414. <https://doi.org/10.1016/j.ins.2018.07.072>

Angioni, Andrea et al. "A distributed automation architecture for distribution networks, from design to implementation". *Sustainable Energy, Grids and Networks*. 2018, 15. 3-13. <https://doi.org/10.1016/j.segan.2017.04.001>

- Barbato, Antimo et al. "Lessons learnt from real-time monitoring of the low voltage distribution network". *Sustainable Energy, Grids and Networks*. 2018, 15. 76-85. <https://doi.org/10.1016/j.segan.2017.05.002>
- Carabias-Orti, J. J. et al. "Multi-source localization using a DOA Kernel based spatial covariance model and complex nonnegative matrix factorization". *2018 IEEE 10th Sensor Array and Multichannel Signal Processing Workshop, SAM 2018*. Proceedings of the IEEE Sensor Array and Multichannel Signal Processing Workshop. IEEE. 2018, 440-444. <https://doi.org/10.1109/SAM.2018.8448664>
- Ghabcheloo, Reza ja Shadman Siddiqui "Complete Odometry Estimation of a Vehicle Using Single Automotive Radar and a Gyroscope". *MED 2018 - 26th Mediterranean Conference on Control and Automation*. IEEE. 2018, 855-860. <https://doi.org/10.1109/MED.2018.8442474>
- Coatanea, Eric ja Ric Roca "Dimensional analysis conceptual modeling supporting adaptable reasoning in simulation-based training". *2018 13th System of Systems Engineering Conference, SoSE 2018*. IEEE. 2018, 245-252. <https://doi.org/10.1109/SYSE.2018.8428785>
- Castro, Luis M., Enrique Acha ja Juan R. Rodriguez-Rodriguez. "Efficient method for the real-time contingency analysis of meshed HVDC power grids fed by VSC stations". *IET Generation, Transmission and Distribution*. 2018, 12(13). 3158-3166. <https://doi.org/10.1049/iet-gtd.2017.1104>
- Phan, Duy ja Sérgio S. Rodrigues. "Stabilization to trajectories for parabolic equations". *Mathematics of Control, Signals, and Systems*. 2018. 30(2). <https://doi.org/10.1007/s00498-018-0218-0>
- Suzumori, Koichi et al. "Preface: Special Issue on 'New Hydraulic Components for Tough Robots'". *Advanced Robotics*. 2018. 32(9). <https://doi.org/10.1080/01691864.2018.1466427>
- Heikkilä, Jussi, Miia Martinsuo, ja Sanna Nenonen. "Backshoring of production in the context of a small and open Nordic economy". *Journal of Manufacturing Technology Management*. 2018, 29(4). 658-675. <https://doi.org/10.1108/JMTM-12-2016-0178>
- Evchina, Yulia ja Jose Luis Martinez Lastra. "An approach to combining related notifications in large-scale building management systems with a rehabilitation facility case study". *Automation in Construction*. 2018, 87. 106-116. <https://doi.org/10.1016/j.autcon.2017.12.020>
- Lenarduzzi, Valentina et al. "Prioritizing corrective maintenance activities for android applications: An industrial case study on android crash reports". *Software Quality: Methods and Tools for Better Software and Systems - 10th International Conference, SWQD 2018, Proceedings*. Lecture Notes in Business Information Processing. Springer-Verlag Berlin Heidelberg. 2018, 133-143. [https://doi.org/10.1007/978-3-319-71440-0\\_8](https://doi.org/10.1007/978-3-319-71440-0_8)
- Koivumäki, Janne, Wen Hong Zhu, ja Jouni Mattila "Addressing closed-chain dynamics for high-precision control of hydraulic cylinder actuated manipulators". *BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018*. ASME. 2018. <https://doi.org/10.1115/FPMC2018-8839>
- Nurmi, Jarmo, Mohammad M. Aref, ja Jouni Mattila "A neural network strategy for learning of nonlinearities toward feed-forward control of pressure-compensated hydraulic valves with a significant dead zone". *BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018*. ASME. 2018. <https://doi.org/10.1115/FPMC2018-8847>
- Paunonen, Lassi, Yann Le Gorrec ja Héctor Ramírez "A Simple Robust Controller for Port-Hamiltonian Systems". *6th IFAC Workshop on Lagrangian and Hamiltonian Methods for Nonlinear Control LHMNC 2018*. IFAC-PapersOnLine; 3. 2018, 92-96. <https://doi.org/10.1016/j.ifacol.2018.06.024>
- Kannisto, Petri ja David Hästbacka. "Asynchronous communication platform concept to coordinate large-scale industrial processes". *IFAC-PapersOnLine*. 2018, 51(11). 1403-1408. <https://doi.org/10.1016/j.ifacol.2018.08.325>

- Karamanakos, Petros, Ayman Francees Ayad ja Ralph Kennel. "A variable switching point predictive current control strategy for quasi-Z-source inverters". *IEEE Transactions on Industry Applications*. 2018, 54(2). 1469-1480. <https://doi.org/10.1109/TIA.2017.2765302>
- Penttinen, Marcus, Tero Reunanen ja Arndt Borgmeier "Avoiding wow-gaps through wow-canvas in business development". *Advances in Human Factors, Business Management and Leadership - Proceedings of the AHFE 2017 International Conferences on Human Factors in Management and Leadership, and Business Management and Society*. Advances in Intelligent Systems and Computing. Springer Verlag. 2018, 86-95. [https://doi.org/10.1007/978-3-319-60372-8\\_9](https://doi.org/10.1007/978-3-319-60372-8_9)
- Lampinen, Santeri, Janne Koivumäki, ja Jouni Mattila "Bilateral teleoperation of a hydraulic robotic manipulator in contact with physical and virtual constraints". *BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018*. ASME. 2018. <https://doi.org/10.1115/FPMC2018-8842>
- Danaee, Siavash et al. "Direct position control of electro-hydraulic excavator". *BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018*. ASME. 2018. <https://doi.org/10.1115/FPMC2018-8896>
- Tikkanen, Seppo, Ville Ahola ja Elias Koskela "Effect of driver and work cycle on losses of a loader". *BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018*. ASME. 2018. <https://doi.org/10.1115/FPMC2018-8919>
- Vazquez, L. et al. "Energy System Planning towards Renewable Power System: Energy Matrix Change in Cuba by 2030". *IFAC-PapersOnLine*. 2018, 51(28). 522-527. <https://doi.org/10.1016/j.ifacol.2018.11.756>
- Penttinen, Marcus, Tero Reunanen ja Arndt Borgmeier "Finding the wow-factor to enhance business". *Advances in Human Factors, Business Management and Leadership - Proceedings of the AHFE 2017 International Conferences on Human Factors in Management and Leadership, and Business Management and Society*. Advances in Intelligent Systems and Computing. Springer Verlag. 2018, 96-105. [https://doi.org/10.1007/978-3-319-60372-8\\_10](https://doi.org/10.1007/978-3-319-60372-8_10)
- Mäkinen, Petri, Oleg Dmitrochenko, ja Jouni Mattila "Floating frame of reference formulation for a flexible manipulator with hydraulic actuation - Modelling and experimental validation". *BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018*. ASME. 2018. <https://doi.org/10.1115/FPMC2018-8846>
- Martins, Leonardo et al. "Generator Platform of Benchmark Time-Lapsed Images Development of Cell Tracking Algorithms: Implementation of New Features Towards a Realistic Simulation of the Cell Spatial and Temporal Organization". *Simulation and Modeling Methodologies, Technologies and Applications - International Conference, SIMULTECH 2016, Revised Selected Papers*. Advances in Intelligent Systems and Computing. Springer Verlag. 2018, 52-74. [https://doi.org/10.1007/978-3-319-69832-8\\_4](https://doi.org/10.1007/978-3-319-69832-8_4)
- Reunanen, Tero ja Riikka Maijala "Management style, focus and purpose in development of lean in university hospital". *Advances in Human Factors, Business Management and Leadership - Proceedings of the AHFE 2017 International Conferences on Human Factors in Management and Leadership, and Business Management and Society*. Advances in Intelligent Systems and Computing. Springer Verlag. 2018, 52-64. [https://doi.org/10.1007/978-3-319-60372-8\\_6](https://doi.org/10.1007/978-3-319-60372-8_6)
- van Mellaert, R. et al. "Mixed-integer linear programming approach for global discrete sizing optimization of frame structures". *Structural and Multidisciplinary Optimization*. 2018, 57(2). 579-593. <https://doi.org/10.1007/s00158-017-1770-9>
- Linjama, Matti "Model-based control of a digital hydraulic transformer-based hybrid actuator". *BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018*. ASME. 2018. <https://doi.org/10.1115/FPMC2018-8866>
- Wu, Jiahao et al. "Model-Based Dynamic Scheduling for Multicore Signal Processing". *Journal of Signal Processing Systems*. 2018, 1-14. <https://doi.org/10.1007/s11265-018-1412-5>

Reunanen, Tero et al. "On the basis of the sales engineering competences and education". *Advances in Human Factors, Business Management and Leadership - Proceedings of the AHFE 2017 International Conferences on Human Factors in Management and Leadership, and Business Management and Society*. Advances in Intelligent Systems and Computing. Springer Verlag. 2018, 160-172. [https://doi.org/10.1007/978-3-319-60372-8\\_16](https://doi.org/10.1007/978-3-319-60372-8_16)

Dehmer, Matthias et al. "On the degeneracy of the Randić entropy and related graph measures". *Information Sciences*. 2018. <https://doi.org/10.1016/j.ins.2018.11.011>

Reinikka, T. et al. "PHIL Test Bench for Online-Identification Methods of Complex Power Grid". *IFAC-PapersOnLine*. 2018, 51(15). 832-837. <https://doi.org/10.1016/j.ifacol.2018.09.122>

Laakkonen, Petteri ja Lassi Paunonen. "Reduced Order Internal Models in the Frequency Domain". *IEEE Transactions on Automatic Control*. 2018, 63(6). 1806-1812. <https://doi.org/10.1109/TAC.2017.2751520>

Humaloja, Jukka-Pekka ja Lassi Paunonen. "Robust Regulation of Infinite-Dimensional Port-Hamiltonian Systems". *IEEE Transactions on Automatic Control*. 2018. 63(5). <https://doi.org/10.1109/TAC.2017.2748055>

Ometov, Aleksandr et al. "System-level analysis of IEEE 802.11ah technology for unsaturated MTC traffic". *International Journal of Sensor Networks*. 2018, 26(4). 269-282. <https://doi.org/10.1504/IJSNET.2018.090480>

Sariola, Rami. "Utilizing the innovation potential of suppliers in construction projects". *Construction Innovation*. 2018. 18(2). <https://doi.org/10.1108/CI-06-2017-0050>

Shao, Kai et al. "基于相位旋转的SCMA码本优化方法". *Xi Tong Gong Cheng Yu Dian Zi Ji Shu/Systems Engineering and Electronics*. 2018, 40(10). 2354-2362. <https://doi.org/10.3969/j.issn.1001-506X.2018.10.29>

Pyrhönen, Veli-Pekka, Hannu Koivisto, ja Matti Vilkkö "A Reduced-Order Two-Degree-of-Freedom Composite Nonlinear Feedback Control for a Rotary DC Servo Motor". *Proceedings of the 56th IEEE Conference on Decision and Control*. Melbourne, Australia. 2017, 2065-2071. <https://doi.org/10.1109/CDC.2017.8263951>

Dehmer, Matthias, Frank Emmert-Streib ja Yongtang Shi. "Quantitative Graph Theory: A new branch of graph theory and network science". *Information Sciences*. 2017, 418-419. 575-580. <https://doi.org/10.1016/j.ins.2017.08.009>

Katkovnik, Vladimir, Mykola Ponomarenko, ja Karen Egiazarian. "Sparse approximations in complex domain based on BM3D modeling". *Signal Processing*. 2017, 141. 96-108. <https://doi.org/10.1016/j.sigpro.2017.05.032>

Koivumäki, Janne ja Jouni Mattila. "Adaptive and nonlinear control of discharge pressure for variable displacement axial piston pumps". *Journal of Dynamic Systems, Measurement and Control: Transactions of the ASME*. 2017. 139(10). <https://doi.org/10.1115/1.4036537>

Dehmer, Matthias et al. "Highly unique network descriptors based on the roots of the permanent polynomial". *Information Sciences*. 2017, 408. 176-181. <https://doi.org/10.1016/j.ins.2017.04.041>

Shao, Kai, Bei Yu ja Guangyu Wang. "Multiuser detection scheme for SCMA with partial extrinsic information transmission". *Xi Tong Gong Cheng Yu Dian Zi Ji Shu/Systems Engineering and Electronics*. 2017, 39(10). 2320-2326. <https://doi.org/10.3969/j.issn.1001-506X.2017.10.24>

Kivelä, Tuomo, Jouni Mattila ja Jussi Puura. "A generic method to optimize a redundant serial robotic manipulator's structure". *Automation in Construction*. 2017, 81. 172-179. <https://doi.org/10.1016/j.autcon.2017.06.006>

- Paunonen, Lassi. "Robust Output Regulation for Continuous-Time Periodic Systems". *IEEE Transactions on Automatic Control*. 2017, 62(9). 4363-4375. <https://doi.org/10.1109/TAC.2017.2654968>
- Tuominen, Ville et al. "Real-time hardware- and software-in-the-loop simulation of decentralised distribution network control architecture". *IET Generation, Transmission and Distribution*. 2017, 11(12). 3057-3064. <https://doi.org/10.1049/iet-gtd.2016.1570>
- Itävuo, Pekka, Erik Hulthén, ja Matti Viikko. "Feed-hopper level estimation and control in cone crushers". *Minerals Engineering*. 2017, 110. 82-95. <https://doi.org/10.1016/j.mineng.2017.04.010>
- Korpela, Timo et al. "Indirect NO<sub>x</sub> emission monitoring in natural gas fired boilers". *Control Engineering Practice*. 2017, 65. 11-25. <https://doi.org/10.1016/j.conengprac.2017.04.013>
- Lauri, Mikko, Eero Heinänen ja Simone Frintrop "Multi-robot active information gathering with periodic communication". *ICRA 2017 - IEEE International Conference on Robotics and Automation*. IEEE. 2017, 851-856. <https://doi.org/10.1109/ICRA.2017.7989104>
- Hietanen, Antti et al. "Robustifying correspondence based 6D object pose estimation". *ICRA 2017 - IEEE International Conference on Robotics and Automation*. IEEE. 2017, 739-745. <https://doi.org/10.1109/ICRA.2017.7989091>
- Lehtimäki, Mikko et al. "Order reduction for a signaling pathway model of neuronal synaptic plasticity". *20th IFAC World Congress*. IFAC-PapersOnLine. IFAC. 2017, 7687-7692. <https://doi.org/10.1016/j.ifacol.2017.08.1143>
- Laakkonen, Petteri "Robust Regulation of MIMO systems: A Reformulation of the Internal Model Principle". *20th IFAC World Congress*. IFAC-PapersOnLine. IFAC. 2017, 693-697. <https://doi.org/10.1016/j.ifacol.2017.08.125>
- Majanne, Yrjö et al. "Utilization of Drum Boilers' Storage Capacity for Flexible Operation". *IFAC-PapersOnLine*. IFAC-PapersOnLine. IFAC. 2017, 2005-2010. <https://doi.org/10.1016/j.ifacol.2017.08.186>
- Mate, Sujeet et al. "Mobile devices and professional equipment synergies for sport video summary production". *TVX 2017 - Adjunct Publication of the 2017 ACM International Conference on Interactive Experiences for TV and Online Video*. ACM. 2017, 45-50. <https://doi.org/10.1145/3084289.3089922>
- Ellervee, Peeter ja Jari Nurmi. "Guest Editorial: Implementation Issues in System-on-Chip". *Journal of Signal Processing Systems*. 2017, 87(3). 269-270. <https://doi.org/10.1007/s11265-017-1242-x>
- Hussain, Waqar et al. "Power Mitigation by Performance Equalization in a Heterogeneous Reconfigurable Multicore Architecture". *Journal of Signal Processing Systems*. 2017, 87(3). 287-297. <https://doi.org/10.1007/s11265-016-1142-5>
- Laakkonen, P. ja A. Quadrat. "A fractional representation approach to the robust regulation problem for SISO systems". *Systems and Control Letters*. 2017, 103. 32-37. <https://doi.org/10.1016/j.sysconle.2017.02.006>
- Paunonen, Lassi ja David Seifert. "Asymptotic behaviour in the robot rendezvous problem". *Automatica*. 2017, 79. 127-130. <https://doi.org/10.1016/j.automatica.2017.02.015>
- Paunonen, Lassi "Output Regulation of Infinite-Dimensional Time-Delay Systems". *American Control Conference (ACC), 2017*. Proceedings of the American Control Conference. IEEE. 2017, 3189-3193. <https://doi.org/10.23919/ACC.2017.7963438>
- Mattila, Jouni et al. "A survey on control of hydraulic robotic manipulators with projection to future trends". *IEEE - ASME Transactions on Mechatronics*. 2017, 22(2). 669-680. <https://doi.org/10.1109/TMECH.2017.2668604>

Mattila, J. et al. "Guest editorial introduction to the focused section on design and control of hydraulic robots". *IEEE - ASME Transactions on Mechatronics*. 2017, 22(2). 585-588. <https://doi.org/10.1109/TMECH.2017.2668611>

Kivimäki, Jyri et al. "Determining maximum MPP-tracking sampling frequency for input-voltage-controlled PV-interfacing converter". *8th Annual IEEE Energy Conversion Congress & Exposition (ECCE 2016)*. IEEE. 2017. <https://doi.org/10.1109/ECCE.2016.7855036>

Blattner, Timothy et al. "A Hybrid Task Graph Scheduler for High Performance Image Processing Workflows". *Journal of Signal Processing Systems*. 2017, 89(3). 457–467. <https://doi.org/10.1007/s11265-017-1262-6>

Taibi, Davide et al. "Comparing requirements decomposition within the Scrum, Scrum with Kanban, XP, and Banana development processes". *Agile Processes in Software Engineering and Extreme Programming - 18th International Conference, XP 2017, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2017, 68-83. [https://doi.org/10.1007/978-3-319-57633-6\\_5](https://doi.org/10.1007/978-3-319-57633-6_5)

Barford, Lee, Shuvra S. Bhattacharyya ja Yanzhou Liu. "Data Flow Algorithms for Processors with Vector Extensions: Handling Actors With Internal State". *Journal of Signal Processing Systems*. 2017, 87(1). 21-31. <https://doi.org/10.1007/s11265-015-1045-x>

Komar, M. S. "Data Rate Assessment on L2–L3 CPU Bus and Bus between CPU and RAM in Modern CPUs". *Automatic Control and Computer Sciences*. 2017, 51(7). 701-708. <https://doi.org/10.3103/S014641161707029X>

Boutellier, J. ja T. Nyländen. "Design Flow for GPU and Multicore Execution of Dynamic Dataflow Programs". *Journal of Signal Processing Systems*. 2017, 89(3). 469–478. <https://doi.org/10.1007/s11265-017-1260-8>

Suonsyrjä, Sampo "Eeny, Meeny, Miny, Mo...: A multiple case study on selecting a technique for user-interaction data collecting". *Agile Processes in Software Engineering and Extreme Programming - 18th International Conference, XP 2017, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2017, 52-67. [https://doi.org/10.1007/978-3-319-57633-6\\_4](https://doi.org/10.1007/978-3-319-57633-6_4)

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

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

Kim, Scott C. ja Shuvra S. Bhattacharyya. "Implementation of a Multirate Resampler for Multi-carrier Systems on GPUs". *Journal of Signal Processing Systems*. 2017, 89(3). 445–455. <https://doi.org/10.1007/s11265-017-1239-5>

Li, Kaipeng et al. "Parallel Digital Predistortion Design on Mobile GPU and Embedded Multicore CPU for Mobile Transmitters". *Journal of Signal Processing Systems*. 2017, 89(3). 417–430. <https://doi.org/10.1007/s11265-017-1233-y>

Sofotasios, Paschalis C. et al. "Relay Selection Based Full-Duplex Cooperative Systems under Adaptive Transmission". *IEEE Wireless Communications Letters*. 2017, 6(5). 602-605. <https://doi.org/10.1109/LWC.2017.2721944>

Korpela, Aki et al. "Structural development of substance in engineering education: Method of cornerstones". *Interactive Collaborative Learning - Proceedings of the 19th ICL Conference - Volume 1*. Advances in Intelligent Systems and Computing. Springer Verlag. 2017, 566-576. [https://doi.org/10.1007/978-3-319-50337-0\\_54](https://doi.org/10.1007/978-3-319-50337-0_54)

Salo, Markus, Henri Pirkkalainen ja Tiina Koskelainen "Technostress and social networking services: Uncovering strains and their underlying stressors". *Nordic Contributions in IS Research - 8th Scandinavian Conference on Information Systems, SCIS 2017, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2017, 41-53. [https://doi.org/10.1007/978-3-319-64695-4\\_4](https://doi.org/10.1007/978-3-319-64695-4_4)

Malaska, Mikko ja Rauno Heikkilä. "Editorial to "The best papers from the 32nd International Symposium on Automation and Robotics in Construction and Mining (ISARC 2015)"". *Automation in Construction*. 2016, 71. 1. <https://doi.org/10.1016/j.autcon.2016.08.045>

Linjama, Matti, Mikko Huova, ja Kalevi Huhtala. "Model-based force and position tracking control of an asymmetric cylinder with a digital hydraulic valve". *International Journal of Fluid Power*. 2016, 17(3). 163-172. <https://doi.org/10.1080/14399776.2016.1185876>

Solomitskii, Dmitrii et al. "Characterizing the Impact of Diffuse Scattering in Urban Millimeter-Wave Deployments". *IEEE Wireless Communications Letters*. 2016, 5(4). 432-435. <https://doi.org/10.1109/LWC.2016.2580669>

Yli-Kaakinen, Juha ja Markku Renfors. "Optimization of Flexible Filter Banks Based on Fast Convolution". *Journal of Signal Processing Systems*. 2016, 85(1). 101-111. <https://doi.org/10.1007/s11265-015-1004-6>

Koskialho, Johanna "A manager's means to motivate experts at work"., Kantola, Jussi ja Barath, Tibor Nazir, Salman Andre, Terence (toimittaneet). *Advances in Human Factors, Business Management, Training and Education - Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society: July 27-31, 2016, Walt Disney World®, Florida, USA*. Advances in Intelligent Systems and Computing. Springer International Publishing. 2016, 1047-1054. [https://doi.org/10.1007/978-3-319-42070-7\\_95](https://doi.org/10.1007/978-3-319-42070-7_95)

Markopoulos, Evangelos ja Hannu Vanharanta "Space for company democracy". *Advances in Human Factors, Business Management, Training and Education - Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society: July 27-31, 2016, Walt Disney World®, Florida, USA*. Advances in Intelligent Systems and Computing. Springer International Publishing. 2016, 275-287. [https://doi.org/10.1007/978-3-319-42070-7\\_26](https://doi.org/10.1007/978-3-319-42070-7_26)

Kolesnik, S. et al. "Comparison of photovoltaic and wind generators as dynamic input sources to power processing interfaces". *2016 2nd International Conference on Intelligent Energy and Power Systems, IEPS 2016 - Conference Proceedings*. IEEE. 2016. <https://doi.org/10.1109/IEPS.2016.7521859>

Korpela, Timo et al. "Robust data reconciliation of combustion variables in multi-fuel fired industrial boilers". *Control Engineering Practice*. 2016, 55. 101-115. <https://doi.org/10.1016/j.conengprac.2016.07.002>

Karamanakos, Petros, Tobias Geyer ja Ralph Kennel. "A Computationally Efficient Model Predictive Control Strategy for Linear Systems with Integer Inputs". *IEEE Transactions on Control Systems Technology*. 2016, 24(4). 1463-1471. <https://doi.org/10.1109/TCST.2015.2501348>

Hirvonen, Juha et al. "Automated Estimation of Contact Angle on Hydrophobic Fibers using a Microrobotic Platform". *Proceedings of the Sixth International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale (3M-NANO)*. IEEE. 2016. <https://doi.org/10.1109/3M-NANO.2016.7824935>

Emmert-Streib, Frank, Matthias Dehmer ja Yongtang Shi. "Fifty years of graph matching, network alignment and network comparison". *Information Sciences*. 2016, 346-347. 180-197. <https://doi.org/10.1016/j.ins.2016.01.074>

Thabet, Mohammad, Alberto Montebelli ja Ville Kyrki "Learning movement synchronization in multi-component robotic systems". *2016 IEEE International Conference on Robotics and Automation (ICRA)*. IEEE. 2016, 249-256. <https://doi.org/10.1109/ICRA.2016.7487141>

Välämäki, Tuomas ja Risto Ritala "Optimizing gaze direction in a visual navigation task". *2016 IEEE International Conference on Robotics and Automation (ICRA)*. IEEE. 2016, 1427-1432. <https://doi.org/10.1109/ICRA.2016.7487276>

Koski, Aapo ja Tommi Mikkonen "On the windy road to become a service provider: Reflections from designing a mission critical information system provided as a service". *2016 International Conference on Information Systems Engineering (ICISE)*. IEEE. 2016, 51-56. <https://doi.org/10.1109/ICISE.2016.10>

Vihonen, Juho et al. "Linear accelerometers and rate gyros for rotary joint angle estimation of heavy-duty mobile manipulators using forward kinematic modeling". *IEEE - ASME Transactions on Mechatronics*. 2016, 21(3). 1765-1774. <https://doi.org/10.1109/TMECH.2016.2544352>

Mäkitalo, Niko, Timo Aaltonen ja Tommi Mikkonen "Coordinating proactive social devices in a mobile cloud: Lessons learned and a way forward". *MOBILESoft '16 Proceedings of the International Conference on Mobile Software Engineering and Systems*. ACM. 2016, 179-188. <https://doi.org/10.1145/2897073.2897079>

Immonen, Paula et al. "Energy saving in working hydraulics of long booms in heavy working vehicles". *Automation in Construction*. 2016, 65. 125-132. <https://doi.org/10.1016/j.autcon.2015.12.015>

Koskialho, Johanna, Jarno Einolander ja Hannu Vanharanta "Commitment and motivation in professional organization". *Advances in Human Factors, Business Management, Training and Education: Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society*. Advances in Intelligent Systems and Computing. Springer Verlag. 2016, 47-58. [https://doi.org/10.1007/978-3-319-42070-7\\_5](https://doi.org/10.1007/978-3-319-42070-7_5)

Salo, Markku et al. "Degree of agility with an ontology based application". *Advances in Human Factors, Business Management, Training and Education - Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society*. Advances in Intelligent Systems and Computing. Springer Verlag. 2016, 1007-1018. [https://doi.org/10.1007/978-3-319-42070-7\\_92](https://doi.org/10.1007/978-3-319-42070-7_92)

Markopoulos, Evangelos ja Hannu Vanharanta "Delphic maxims based applied philosophy for business and governance management". *Advances in Human Factors, Business Management, Training and Education - Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society, : July 27-31, 2016, Walt Disney World®, Florida, USA*. Advances in Intelligent Systems and Computing. Springer Verlag. 2016, 33-45. [https://doi.org/10.1007/978-3-319-42070-7\\_4](https://doi.org/10.1007/978-3-319-42070-7_4)

Einolander, Jarno ja Hannu Vanharanta "Development of students' commitment over time—case study from a finnish university of technology". *Advances in Human Factors, Business Management, Training and Education: Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society*. Advances in Intelligent Systems and Computing. Springer Verlag. 2016, 69-77. [https://doi.org/10.1007/978-3-319-42070-7\\_7](https://doi.org/10.1007/978-3-319-42070-7_7)

Reunanen, Tero ja Jaana Kaitonen "Different roles in leadership styles in modern organization". *Advances in Human Factors, Business Management, Training and Education - Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society: July 27-31, 2016, Walt Disney World®, Florida, USA*. Advances in Intelligent Systems and Computing. Springer Verlag. 2016, 251-262. [https://doi.org/10.1007/978-3-319-42070-7\\_24](https://doi.org/10.1007/978-3-319-42070-7_24)

Suominen, Arho, Sami Hyrynsalmi, ja Marko Seppänen "Ecosystems Here, There, and Everywhere — A Barometrical Analysis of the Roots of 'Software Ecosystem'". *Software Business: 7th International Conference, ICSOB 2016, Ljubljana, Slovenia, June 13-14, 2016, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2016, 32-46. [https://doi.org/10.1007/978-3-319-40515-5\\_3](https://doi.org/10.1007/978-3-319-40515-5_3)

Iosifidis, Alexandros, Anastasios Tefas ja Ioannis Pitas. "Graph Embedded Extreme Learning Machine". *IEEE Transactions on Cybernetics*. 2016, 46(1). 311 - 324. <https://doi.org/10.1109/TCYB.2015.2401973>

Aghababaeetafreshi, Mona et al. "IEEE 802.11ac MIMO Transceiver Baseband Processing on a VLIW Processor". *Journal of Signal Processing Systems*. 2016. <https://doi.org/10.1007/s11265-015-1032-2>

Reunanen, Tero, Riitta Windahl ja Hannu Vanharanta "Innovativeness through time management". *Advances in Human Factors, Business Management, Training and Education - Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society, : July 27-31, 2016, Walt Disney World®, Florida, USA*. Advances in Intelligent Systems and Computing. Springer Verlag. 2016, 289-299. [https://doi.org/10.1007/978-3-319-42070-7\\_27](https://doi.org/10.1007/978-3-319-42070-7_27)

Chukhman, Ilya et al. "Instrumentation-Driven Validation of Dataflow Applications". *Journal of Signal Processing Systems*. 2016, 84(3). 383–397. <https://doi.org/10.1007/s11265-015-1073-6>

Reunanen, Tero ja Marko Junno "Leadership focus in modern expert organization". *Advances in Human Factors, Business Management, Training and Education - : Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society, July 27-31, 2016, Walt Disney World®, Florida, USA*. Advances in Intelligent Systems and Computing. Springer Verlag. 2016, 979-991. [https://doi.org/10.1007/978-3-319-42070-7\\_90](https://doi.org/10.1007/978-3-319-42070-7_90)

Einolander, Jarno, Hannu Vanharanta, ja Ari Visa "Master's students' commitment and engagement in their course behavior". *Advances in Human Factors, Business Management, Training and Education: Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society*. Advances in Intelligent Systems and Computing. Springer Verlag. 2016, 59-68. [https://doi.org/10.1007/978-3-319-42070-7\\_6](https://doi.org/10.1007/978-3-319-42070-7_6)

Hokkanen, Laura, Kati Kuusinen, ja Kaisa Väänänen "Minimum viable user experience: A framework for supporting product design in startups". *Agile Processes, in Software Engineering, and Extreme Programming: 17th International Conference, XP 2016, Edinburgh, UK, May 24-27, 2016, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2016, 66-78. [https://doi.org/10.1007/978-3-319-33515-5\\_6](https://doi.org/10.1007/978-3-319-33515-5_6)

Piché, Robert. "Online tests of Kalman filter consistency". *International Journal of Adaptive Control and Signal Processing*. 2016, 30(1). 115–124. <https://doi.org/10.1002/acs.2571>

Berlin, Cecilia et al. "Prerequisites and conditions for socially sustainable manufacturing in Europe's future factories—results overview from the SO SMART project". *Advances in Ergonomics of Manufacturing: Managing the Enterprise of the Future - Proceedings of the AHFE International Conference on Human Aspects of Advanced Manufacturing, 2016*. Advances in Intelligent Systems and Computing. Springer Verlag. 2016, 319-330. [https://doi.org/10.1007/978-3-319-41697-7\\_28](https://doi.org/10.1007/978-3-319-41697-7_28)

Ruohonen, Jukka, Sami Hyrynsalmi ja Ville Leppänen "Software vulnerability life cycles and the age of software products: An empirical assertion with operating system products". *Advanced Information Systems Engineering Workshops - CAiSE 2016 International Workshops, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2016, 207-218. <https://doi.org/10.1007/978-3-319-39564-7-20>

Yrjönkoski, Katariina, Nina Helander, ja Hannu Jaakkola "To network or not to network? Analysis of the Finnish software industry-A networking approach". *Software Business: 7th International Conference, ICSOB 2016, Ljubljana, Slovenia, June 13-14, 2016, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2016, 124-134. [https://doi.org/10.1007/978-3-319-40515-5\\_9](https://doi.org/10.1007/978-3-319-40515-5_9)

Taibi, Davide, Andrea Janes ja Valentina Lenarduzzi "Towards a lean approach to reduce code smells injection: An empirical study". *Agile Processes in Software Engineering and Extreme Programming - 17th International Conference, XP 2016, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2016. [https://doi.org/10.1007/978-3-319-33515-5\\_30](https://doi.org/10.1007/978-3-319-33515-5_30)

Reunanen, Tero, Marcus Penttinen ja Arndt Borgmeier ""Wow-factors" for boosting business". *Advances in human factors, business management, training and education - proceedings of the ahfe 2016 international conference on human factors, business management and society: July 27-31, 2016. Walt Disney World®, Florida, USA*. Advances in Intelligent Systems and Computing. Springer Verlag. 2016, 589-600. [https://doi.org/10.1007/978-3-319-42070-7\\_55](https://doi.org/10.1007/978-3-319-42070-7_55)

Karamanakos, Petros, Tobias Geyer ja Ralph Kennel "Computationally efficient optimization algorithms for model predictive control of linear systems with integer inputs". *2015 54th IEEE Conference on Decision and Control, CDC 2015*. 2015, 3663-3668. <https://doi.org/10.1109/CDC.2015.7402787>

Irofti, Paul ja Bogdan Dumitrescu "Cospars dictionary learning for the orthogonal case". *2015 19th International Conference on System Theory, Control and Computing, ICSTCC 2015 - Joint Conference SINTES 19, SACCS 15, SIMSIS 19*. IEEE. 2015, 343-347. <https://doi.org/10.1109/ICSTCC.2015.7321317>

- Paunonen, Lassi ja Petteri Laakkonen. "Polynomial Input-Output Stability for Linear Systems". *IEEE Transactions on Automatic Control*. 2015, 60(10). 2797-2802. <https://doi.org/10.1109/TAC.2015.2398890>
- Ayad, Ayman, Petros Karamanakos ja Ralph Kennel "Direct model predictive current control of quasi-Z-source inverters". *Proceedings - 2015 IEEE International Symposium on Predictive Control of Electrical Drives and Power Electronics, PRECEDE 2015*. Institute of Electrical and Electronics Engineers Inc. 2015, 67-72. <https://doi.org/10.1109/PRECEDE.2015.7395585>
- Koivumäki, Janne ja Jouni Mattila. "Stability-Guaranteed Force-Sensorless Contact Force/Motion Control of Heavy-Duty Hydraulic Manipulators". *IEEE Transactions on Robotics*. 2015, 31(4). 918-935. <https://doi.org/10.1109/TRO.2015.2441492>
- Stolze, Peter et al. "Effective variable switching point predictive current control for ac low-voltage drives". *International Journal of Control*. 2015, 88(7). 1366-1378. <https://doi.org/10.1080/00207179.2014.942699>
- Aytekin, Caglar et al. "Railway fastener inspection by real-time machine vision". *IEEE Transactions on Systems, Man, and Cybernetics: Systems*. 2015, 45(7). 1101-1107. <https://doi.org/10.1109/TSMC.2014.2388435>
- Oftadeh, Reza, Reza Ghabcheloo, ja Jouni Mattila "A time-optimal bounded velocity path-following controller for generic Wheeled Mobile Robots". *2015 IEEE International Conference on Robotics and Automation (ICRA), 26-30 May 2015, Seattle, WA*. Institute of Electrical and Electronics Engineers IEEE. 2015, 676-683. <https://doi.org/10.1109/ICRA.2015.7139252>
- Saketi, Pooya et al. "Electroplated nickel microspring and low-friction precision linear slider: A novel micro-force sensing tool". *2015 IEEE International Conference on Robotics and Automation (ICRA), 26-30 May 2015, Seattle, WA*. 2015, 2679-2684. <https://doi.org/10.1109/ICRA.2015.7139561>
- Vihonen, Juho et al. "Novel pairwise coupled kinematic solution for algebraic angular acceleration estimation of serial link manipulators". *2015 IEEE International Conference on Robotics and Automation (ICRA)*. Institute of Electrical and Electronics Engineers IEEE. 2015, 809-814. <https://doi.org/10.1109/ICRA.2015.7139271>
- Lauri, Mikko ja Risto Ritala "Optimal sensing via multi-armed bandit relaxations in mixed observability domains". *2015 IEEE International Conference on Robotics and Automation (ICRA), 26-30 May 2015, Seattle, WA*. 2015, 4807-4812. <https://doi.org/10.1109/ICRA.2015.7139867>
- Suojanen, Marko et al. "An example of scenario-based evaluation of military capability areas An impact assessment of alternative systems on operations". *9th Annual IEEE International Systems Conference, SysCon 2015 - Proceedings*. The Institute of Electrical and Electronics Engineers, Inc. 2015, 601-607. <https://doi.org/10.1109/SYSCON.2015.7116817>
- Kähkönen, Kalle. "Role and nature of systemic innovations in construction and real estate sector". *Construction Innovation: Information, Process, Management*. 2015, 15(2). 130-133. <https://doi.org/10.1108/CI-12-2014-0055>
- Vasilache, Adriana, Boutaib Dahhou ja Gilles Roux "Fast neural predictive control algorithm". *European Control Conference, ECC 1999 - Conference Proceedings*. The Institute of Electrical and Electronics Engineers, Inc. 2015, 4269-4273.
- Paunonen, Lassi. "Designing controllers with reduced order internal models". *IEEE Transactions on Automatic Control*. 2015, 60(3). 775-780. <https://doi.org/10.1109/TAC.2014.2329212>
- Mäki, Antti-Juhana et al. "Modeling and Experimental Characterization of Pressure Drop in Gravity-Driven Microfluidic Systems". *Journal of Fluids Engineering: Transactions of the ASME*. 2015, 137(2). 1-8. <https://doi.org/10.1115/1.4028501>
- Saketi, Pooya et al. "PVDF Microforce Sensor for the Measurement of Z-directional Strength in Paper Fiber Bonds". *Sensors and Actuators A: Physical*. 2015, 222(1). 194-203. <https://doi.org/10.1016/j.sna.2014.12.003>

Kourous, Nikolaos et al. "Video characterization based on activity clustering". *8th International Conference on Electrical and Computer Engineering: Advancing Technology for a Better Tomorrow, ICECE 2014*. The Institute of Electrical and Electronics Engineers, Inc. 2015, 266-269. <https://doi.org/10.1109/ICECE.2014.7026876>

Knyazev, S. et al. "Coarse-grained model of protein interaction for bio-inspired nano-communication". *2014 6th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT)*. 2015, 260-262. <https://doi.org/10.1109/ICUMT.2014.7002112>

Kähkönen, Kalle ja Jukka Rannisto. "Understanding fundamental and practical ingredients of construction project data management". *Construction Innovation: Information, Process, Management*. 2015, 15(1). 7-23. <https://doi.org/10.1108/CI-04-2014-0026>

Koho, Mikko et al. "Towards a concept for realizing sustainability in the manufacturing industry". *Journal of Industrial and Production Engineering*. 2015, 32(1). 12-22. <https://doi.org/10.1080/21681015.2014.1000402>

Efimushkina, T., M. Gabbouj ja K. Samuylov. "Analytical model in discrete time for cross-layer video communication over LTE". *Automatic Control and Computer Sciences*. 2015, 48(6). 345-357. <https://doi.org/10.3103/S0146411614060029>

Kertész, Csaba ja Markku Turunen "Community driven artificial intelligence development for robotics". *Doctoral Consortium on Informatics in Control, Automation and Robotics, DCINCO 2015; in conjunction with the 12th International Conference on Informatics in Control, Automation and Robotics, ICINCO*. SCITEPRESS. 2015, 3-10.

Lenarduzzi, Valentina et al. "Functional size measures and effort estimation in agile development: A replicated study". *Agile Processes, in Software Engineering, and Extreme Programming - 16th International Conference, XP 2015, Proceedings*. Lecture Notes in Business Information Processing. Springer-Verlag Berlin Heidelberg. 2015, 105-116. [https://doi.org/10.1007/978-3-319-18612-2\\_9](https://doi.org/10.1007/978-3-319-18612-2_9)

Järvi, Antero, Ville Taajamaa, ja Sami Hyrynsalmi "Lean software startup – an experience report from an entrepreneurial software business course". *Software Business - 6th International Conference, ICSOB 2015, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2015, 230-244. [https://doi.org/10.1007/978-3-319-19593-3\\_21](https://doi.org/10.1007/978-3-319-19593-3_21)

Su, W. et al. "Low-cost flexible all-inkjet-printed microfluidic sensor". *MicroTAS 2015 - 19th International Conference on Miniaturized Systems for Chemistry and Life Sciences*. Chemical and Biological Microsystems Society. 2015, 1448-1450.

Yang, Zhirong, Jaakko Peltonen ja Samuel Kaski. "Majorization-minimization for manifold embedding". *Journal of Machine Learning Research*. 2015, 38. 1088-1097.

Lu, Wenhui, Jyrki Nummenmaa ja Zheyang Zhang "Passive condition pre-enforcement for rights exporting". *Perspectives in Business Informatics Research - 14th International Conference, BIR 2015, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2015, 241-254. [https://doi.org/10.1007/978-3-319-21915-8\\_16](https://doi.org/10.1007/978-3-319-21915-8_16)

Roinila, Tomi et al. "Pseudo-Random Sequences in DQ-Domain Analysis of Feedforward Control in Grid-Connected Inverters". *17th IFAC Symposium on System Identification SYSID 2015 – Beijing, China, 19–21 October 2015*. IFAC-PapersOnLine; 28. 2015, 1301-1306. <https://doi.org/10.1016/j.ifacol.2015.12.311>

Seppälä, Jari et al. "Security Analysis of Various Industrial Devices". *International Conference on Computer Security in a Nuclear World: Expert Discussion and Exchange, 1-5 June, 2015, Vienna, Austria*. INTERNATIONAL ATOMIC ENERGY AGENCY. 2015.

Seppälä, Jari ja Mikko Salmenperä "Towards dependable automation". *Cyber Security: Analytics, Technology and Automation: Part IV*. Intelligent Systems, Control and Automation: Science and Engineering. Springer International Publishing. 2015, 229-249. [https://doi.org/10.1007/978-3-319-18302-2\\_15](https://doi.org/10.1007/978-3-319-18302-2_15)

Hokkanen, Laura ja Kaisa Väänänen-Vainio-Mattila "UX work in startups: Current practices and future needs". *Agile Processes in Software Engineering and Extreme Programming: 16th International Conference, XP 2015, Helsinki, Finland, May 25-29, 2015, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2015, 81-92. [https://doi.org/10.1007/978-3-319-18612-2\\_7](https://doi.org/10.1007/978-3-319-18612-2_7)

Hyrnsalmi, Sami et al. "Wealthy, healthy and/or happy —what does 'ecosystem health' stand for?". *6th International Conference on Software Business, ICSOB 2015; Braga; Portugal; 10 June 2015 through 12 June 2015*. Lecture Notes in Business Information Processing. Springer Verlag. 2015, 272-287. [https://doi.org/10.1007/978-3-319-19593-3\\_24](https://doi.org/10.1007/978-3-319-19593-3_24)

Iosifidis, Alexandros, Anastasios Tefas ja Ioannis Pitas. "Class-Specific Reference Discriminant Analysis With Application in Human Behavior Analysis". *IEEE Transactions on Human-Machine Systems*. 2014, 45(3). 315-326. <https://doi.org/10.1109/THMS.2014.2379274>

Holvitie, Johannes, Ville Leppänen, ja Sami Hyrnsalmi "Technical debt and the effect of agile software development practices on it - An industry practitioner survey". *Proceedings - 2014 6th IEEE International Workshop on Managing Technical Debt, MTD 2014*. Institute of Electrical and Electronics Engineers Inc. 2014, 35-42. <https://doi.org/10.1109/MTD.2014.8>

Kim, Scott C. ja Shuvra S. Bhattacharyya "Implementation of a low-complexity low-latency arbitrary resampler on GPUs". *2014 IEEE Dallas Circuits and Systems Conference: Enabling an Internet of Things - From Sensors to Servers, DCAS 2014*. Institute of Electrical and Electronics Engineers Inc. 2014. <https://doi.org/10.1109/DCAS.2014.6965333>

Kantola, Mikko ja Arto Saari. "Commissioning for nearly zero-energy building projects". *Construction Innovation: Information, Process, Management*. 2014, 14(3). 370-382. <https://doi.org/10.1108/CI-06-2013-0031>

Karamanakos, Petros, Konstantinos Pavlou ja Stefanos Manias. "An enumeration-based model predictive control strategy for the cascaded H-bridge multilevel rectifier". *IEEE Transactions on Industrial Electronics*. 2014, 61(7). 3480-3489. <https://doi.org/10.1109/TIE.2013.2278965>

Dehmer, Matthias, Frank Emmert-Streib ja Martin Grabner. "A computational approach to construct a multivariate complete graph invariant". *Information Sciences*. 2014, 260. 200-208. <https://doi.org/10.1016/j.ins.2013.11.008>

Rasilo, Paavo, Anouar Belahcen ja Antero Arkkio. "Effect of rotor pole-shoe construction on losses of inverter-fed synchronous motors". *IEEE Transactions on Industry Applications*. 2014, 50(1). 208-217. <https://doi.org/10.1109/TIA.2013.2266631>

Iosifidis, Alexandros, Anastasios Tefas ja Ioannispits@aiaa csd auth gr Pitas "Computational intelligence approaches for digital media analysis and description". *Intelligent Data analysis and its Applications, Volume II: Proceeding of the First Euro-China Conference on Intelligent Data Analysis and Applications, June 13-15, 2014, Shenzhen, China*. Advances in Intelligent Systems and Computing. Springer Verlag. 2014, 263-272. [https://doi.org/10.1007/978-3-319-07773-4\\_26](https://doi.org/10.1007/978-3-319-07773-4_26)

Nummenmaa, Jyrki, Timo Nummenmaa ja Zheyang Zhang. "On the Use of LTSs to Analyze Software Product Line Products Composed of Features". *ADVANCES IN INTELLIGENT SYSTEMS AND COMPUTING*. 2014, 214. 531-541. [https://doi.org/10.1007/978-3-642-37832-4\\_48](https://doi.org/10.1007/978-3-642-37832-4_48)

Karamanakos, Petros et al. "Model predictive control in power electronics: Strategies to reduce the computational complexity". *Proceedings, IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society*. 2013, 5818-5823. <https://doi.org/10.1109/IECON.2013.6700088>

Oikonomou, Nikolaos et al. "Model predictive pulse pattern control for the five-level active neutral-point-clamped inverter". *IEEE Transactions on Industry Applications*. 2013, 49(6). 2583-2592. <https://doi.org/10.1109/TIA.2013.2263273>

- Boutellier, Jani ja Olli Silvén. "Towards generic embedded multiprocessing for RVC-CAL dataflow programs". *Journal of Signal Processing Systems*. 2013, 73(2). 137-142. <https://doi.org/10.1007/s11265-013-0737-3>
- Iosifidis, Alexandros, Anastasios Tefas ja Ioannis Pitas. "Multi-view action recognition based on action volumes, fuzzy distances and cluster discriminant analysis". *Signal Processing*. 2013, 93(6). 1445-1457. <https://doi.org/10.1016/j.sigpro.2012.08.015>
- Zaki, George F. et al. "Integration of dataflow-based heterogeneous multiprocessor scheduling techniques in GNU radio". *Journal of Signal Processing Systems*. 2013, 70(2). 177-191. <https://doi.org/10.1007/s11265-012-0696-0>
- Boutellier, Jani, Mickaël Raulet ja Olli Silvén. "Automatic hierarchical discovery of quasi-static schedules of RVC-CAL dataflow programs". *Journal of Signal Processing Systems*. 2013, 71(1). 35-40. <https://doi.org/10.1007/s11265-012-0676-4>
- Peltonen, Jaakko ja Ziyuan Lin. "Information retrieval perspective to meta-visualization". *Journal of Machine Learning Research*. 2013, 29. 165-180.
- Wang, Lai Huei et al. "Parameterized scheduling of topological patterns in signal processing dataflow graphs". *Journal of Signal Processing Systems*. 2013, 71(3). 275-286. <https://doi.org/10.1007/s11265-012-0719-x>
- Karamanakos, Petros, Konstantinos Pavlou ja Stefanos Manias "A model predictive control strategy for the cascaded H-bridge multilevel rectifier based on enumeration". *Proceedings, IECON 2012 - 38th Annual Conference on IEEE Industrial Electronics Society*. 2012, 5024-5029. <https://doi.org/10.1109/IECON.2012.6389566>
- Karamanakos, Petros, Tobias Geyer ja Stefanos Manias "Direct model predictive current control of dc-dc boost converters". *15th International Power Electronics and Motion Control Conference and Exposition, EPE-PEMC 2012 ECCE Europe*. 2012. <https://doi.org/10.1109/EPEPEMC.2012.6397294>
- Karamanakos, Petros, Tobias Geyer ja Stefanos Manias "Direct voltage control of dc-dc boost converters using model predictive control based on enumeration". *15th International Power Electronics and Motion Control Conference and Exposition, EPE-PEMC 2012 ECCE Europe*. 2012. <https://doi.org/10.1109/EPEPEMC.2012.6397293>
- Karvountzis-Kontakiotis, Apostolis T. ja Leonidas Ntziachristos "A detailed chemical mechanism to predict NO Cycle-to-cycle Variation in homogeneous engine combustion". *2012 IFAC Workshop on Engine and Powertrain Control, Simulation and Modeling, E-COSM 2012*. 2012, 408-415. <https://doi.org/10.3182/20121023-3-FR-4025.00046>
- Andreev, Sergey et al. "Analysis of second UE DRX cycle for enhanced CELL FACH 3GPP UTRAN". *4th International Congress on Ultra Modern Telecommunications and Control Systems 2012, ICUMT 2012*. 2012, 7-11. <https://doi.org/10.1109/ICUMT.2012.6459772>
- Lu, Wenhui, Zheyang Zhang ja Jyrki Nummenmaa "Characterizing trustworthy digital rights exporting". *Perspectives in Business Informatics Research - 11th International Conference, BIR 2012, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2012, 85-95. [https://doi.org/10.1007/978-3-642-33281-4\\_7](https://doi.org/10.1007/978-3-642-33281-4_7)
- Kim, Minjae et al. "Demonstration of hybrid prototype sealant for encapsulating organic photovoltaics". *2012 IEEE 38th Photovoltaic Specialists Conference, PVSC 2012*. PART 2 udg., 2012. <https://doi.org/10.1109/PVSC-Vol2.2013.6656714>
- Kee, Hojin et al. "Mapping parameterized cyclo-static dataflow graphs onto configurable hardware". *Journal of Signal Processing Systems*. 2012, 66(3). 285-301. <https://doi.org/10.1007/s11265-011-0599-5>
- Hyrynsalmi, Sami et al. "Revenue models of application developers in android market ecosystem". *Software Business - Third International Conference, IC SOB 2012, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2012, 209-222. [https://doi.org/10.1007/978-3-642-30746-1\\_17](https://doi.org/10.1007/978-3-642-30746-1_17)

- Niinimäki, Marko et al. "Timely report production from WWW data sources". *Workshops on Business Informatics Research, BIR 2011 International Workshops and Doctoral Consortium, Revised Selected Papers*. Lecture Notes in Business Information Processing. Springer Verlag. 2012, 184-195. <https://doi.org/10.1007/978-3-642-29231-6-15>
- Smith, Cameron et al. "Interaction strategies for an affective conversational agent". *Presence: Teleoperators and Virtual Environments*. 2011, 20(5). 395-411. [https://doi.org/10.1162/PRES\\_a\\_00063](https://doi.org/10.1162/PRES_a_00063)
- Karamanakos, Petros, Georgios Papafotiou ja Stefanos N. Manias "Model predictive control of the interleaved dc-dc boost converter". *15th International Conference on System Theory, Control and Computing, ICSTCC 2011*. 2011.
- Bhattacharyya, Shuvra S. et al. "Overview of the MPEG reconfigurable video coding framework". *Journal of Signal Processing Systems*. 2011, 63(2). 251-263. <https://doi.org/10.1007/s11265-009-0399-3>
- Boutellier, Jani et al. "Quasi-static scheduling of CAL actor networks for reconfigurable video coding". *Journal of Signal Processing Systems*. 2011, 63(2). 191-202. <https://doi.org/10.1007/s11265-009-0389-5>
- Gu, Ruirui et al. "Exploiting statically schedulable regions in dataflow programs". *Journal of Signal Processing Systems*. 2011, 63(1). 129-142. <https://doi.org/10.1007/s11265-009-0445-1>
- Aree, P. ja E. Acha. "Power flow initialisation of dynamic studies with induction motor loads". *IET Generation Transmission and Distribution*. 2011, 5(4). 417-424. <https://doi.org/10.1049/iet-gtd.2010.0442>
- Peltonen, Jaakko ja Samuel Kaski. "Generative modeling for maximizing precision and recall in information visualization". *Journal of Machine Learning Research*. 2011, 15. 579-587.
- Lavazza, Luigi et al. "OP2A: How to improve the quality of the web portal of open source software products". *Web Information Systems and Technologies - 7th International Conference, WEBIST 2011, Revised Selected Papers*. Lecture Notes in Business Information Processing. Springer Verlag. 2011, 149-162. <https://doi.org/10.1007/978-3-642-28082-5-11>
- Sariola, Veikko et al. "Silicon capillary gripper with self-alignment capability". *2011 IEEE International Conference on Robotics and Automation, ICRA 2011*. 2011, 4098-4103. <https://doi.org/10.1109/ICRA.2011.5979980>
- Sane, Nimish et al. "Topological patterns for scalable representation and analysis of dataflow graphs". *Journal of Signal Processing Systems*. 2011, 65(2). 229-244. <https://doi.org/10.1007/s11265-011-0610-1>
- Thanisch, Peter et al. "Using the entity-attribute-value model for olap cube construction". *Perspectives in Business Informatics Research - 10th International Conference, BIR 2011, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2011, 59-72. [https://doi.org/10.1007/978-3-642-24511-4\\_5](https://doi.org/10.1007/978-3-642-24511-4_5)
- Lavazza, Luigi et al. "Applying SCRUM in an OSS development process: An empirical evaluation". *Agile Processes in Software Engineering and Extreme Programming - 11th International Conference, XP 2010, Proceedings*. Lecture Notes in Business Information Processing. Springer Verlag. 2010, 147-159. [https://doi.org/10.1007/978-3-642-13054-0\\_11](https://doi.org/10.1007/978-3-642-13054-0_11)
- Fonteyn, Katarzyna A. et al. "Contribution of Maxwell stress in air on the deformations of induction machines". *2010 International Conference on Electrical Machines and Systems, ICEMS2010*. 2010, 1749-1753.
- Oftadeh, Reza, Mohammad M. Aref ja Hamid D. Taghirad "Explicit dynamics formulation of Stewart-Gough platform: A Newton-Euler approach". *IEEE/RSJ 2010 International Conference on Intelligent Robots and Systems, IROS 2010 - Conference Proceedings*. 2010, 2772-2777. <https://doi.org/10.1109/IROS.2010.5653157>

Oftadeh, Reza, Mohammad M. Aref ja Hamid D. Taghirad "Forward kinematic analysis of a planar cable driven redundant parallel manipulator using force sensors". *IEEE/RSJ 2010 International Conference on Intelligent Robots and Systems, IROS 2010 - Conference Proceedings*. 2010, 2295-2300. <https://doi.org/10.1109/IROS.2010.5649471>

Vafaei, Alaleh, Mohammad M. Aref ja Hamid D. Taghirad "Integrated controller for an over-constrained cable driven parallel manipulator: KNTU CDRPM". *Proceedings - IEEE International Conference on Robotics and Automation*. 2010, 650-655. <https://doi.org/10.1109/ROBOT.2010.5509991>

Fonteyn, Katarzyna A. et al. "Simulated results and experimental verification of a novel magneto-mechanical coupled method". *2010 International Conference on Electrical Machines and Systems, ICEMS2010*. 2010, 1743-1748.

Loloei, Azadeh Zarif, Mohammad Mohammadi Aref ja Hamid D. Taghirad "Wrench feasible workspace analysis of cable-driven parallel manipulators using LMI approach". *IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM*. 2009, 1034-1039. <https://doi.org/10.1109/AIM.2009.5229723>

Koivuluoma, Mikko et al. "Influences of digital band-pass filtering on the BCG waveform". *BIOSIGNALS 2008 - Proceedings of the 1st International Conference on Bio-inspired Systems and Signal Processing*. 2008, 84-89.

Emmert-Streib, Frank, Hamid R. Arabnia ja Mary Q. Yang. "Applied Artificial Intelligence: Preface". *Applied Artificial Intelligence*. 2008, 22(7-8). 617-618. <https://doi.org/10.1080/08839510802164051>

Bedoustani, Y. B., H. D. Taghirad ja M. M. Aref "Dynamics analysis of a redundant parallel manipulator driven by elastic cables". *2008 10th International Conference on Control, Automation, Robotics and Vision, ICARCV 2008*. 2008, 536-542. <https://doi.org/10.1109/ICARCV.2008.4795575>

Gholami, Pooneh, Mohammad M. Aref ja Hamid D. Taghirad "On the control of the KNTU CDRPM: A cable driven redundant parallel manipulator". *2008 IEEE/RSJ International Conference on Intelligent Robots and Systems, IROS*. 2008, 2404-2409. <https://doi.org/10.1109/IROS.2008.4650740>

Alberucci, A. et al. "Nonlocal bi-color vector solitons in liquid crystals". *Conference on Lasers and Electro-Optics Europe - Technical Digest*. 2007. <https://doi.org/10.1109/CLEOE-IQEC.2007.4386868>

Le Xuan, L. et al. "Photostable single KTiOPO4 nanocrystals for second-harmonic generation microscopy". *2007 IEEE/LEOS International Conference on Optical MEMS and Nanophotonics, OMENS*. 2007, 39-40. <https://doi.org/10.1109/OMEMS.2007.4373829>

Zemskov, Evgeny ja Jari Nurmi "Performance enhancements for embedded software implementation of GNSS navigation algorithms". *Industrial Embedded Systems - IES'2006*. 2006. <https://doi.org/10.1109/IES.2006.357487>

Wojdyła, Michał et al. "Photoluminescence and third harmonic generation in ZnPc thin films". *Nonlinear Optics, Quantum Optics*. 2006, 35(1-3). 103-119.

Codemard, C. et al. "1 mJ narrow-linewidth pulsed fiber MOPA source at 1535 nm". *Conference on Lasers and Electro-Optics Europe - Technical Digest*. 2005. <https://doi.org/10.1109/CLEOE.2005.1568299>

Peccianti, Marco et al. "Anisotropic spatial solitons and their routing in nematic liquid crystals". *Conference on Lasers and Electro-Optics Europe - Technical Digest*. 2005. <https://doi.org/10.1109/CLEOE.2005.1568011>

Jeong, Y. et al. "State of the art of cw fibre lasers". *Conference on Lasers and Electro-Optics Europe - Technical Digest*. 2005. <https://doi.org/10.1109/CLEOE.2005.1568490>

Suntio, Teuvo, Idris Gadoura ja Kai Zenger *Input filter interactions in current-mode controlled converters - A unified analysis approach*. 2002. 6 s. <https://doi.org/10.1109/IECON.2002.1185440>

Suntio, Teuvo "Small-signal modeling of switched-mode converters under direct-on-time control - A unified approach". *IEEE 2002 28th Annual Conference of the Industrial Electronics Society. IECON 02*. IEEE. 2002, 479-484. <https://doi.org/10.1109/IECON.2002.1187555>

Suntio, Teuvo "Unified derivation and analysis of duty-ratio constraints for peak-current-mode control in continuous and discontinuous modes". *IEEE 2002 28th Annual Conference of the Industrial Electronics Society. IECON 02*. IEEE. 2002, 1398-1403. <https://doi.org/10.1109/IECON.2002.1185482>

Gadoura, Idris, Teuvo Suntio ja Kai Zenger. "Robust control design for paralleled dc/dc converters with current sharing". *IFAC Proceedings Volumes (IFAC-PapersOnline)*. 2002, 15(1). 323-328.

Suntio, Teuvo et al. *Dynamic effects of inductor current ripple in peak-current and average-current mode control*. 2001. 6 s. <https://doi.org/10.1109/IECON.2001.975929>

Lempinen, Juha ja Teuvo Suntio *Modeling and analysis of a self-oscillating peak-current controlled flyback converter*. 2001. 6 s. <https://doi.org/10.1109/IECON.2001.975896>

Mäkinen, Jari, Robert Piché, ja Asko Ellman. "Fluid Transmission Line Modeling Using a Variational Method". *Journal of Dynamic Systems, Measurement and Control: Transactions of the ASME*. 2000, 122(1). 153-162.

Vallittu, Petri, Teuvo Suntio ja Seppo J. Ovaska *Digital control of power supplies - opportunities and constraints*. 1998. 6 s. <https://doi.org/10.1109/IECON.1998.724305>

Oshman, Yaakov ja Pavel Davidson "Optimal observer trajectories for passive target localization using bearing-only measurements". *Guidance, Navigation, and Control Conference and Exhibit*. American Institute of Aeronautics and Astronautics Inc. (AIAA). 1996, 1-11.