

Vuorimaa V, Heikkilä E, Karvonen H, Koskinen K, Laitinen J. 2021. Factors affecting the organizational readiness to design autonomous machine systems: Towards an evaluation framework. Arai K, Kapoor S, Bhatia R, Toimittajat. teoksessa *Intelligent Systems and Applications - Proceedings of the 2020 Intelligent Systems Conference IntelliSys Volume 3*. Springer. Sivut 742-747. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-030-55190-2\\_62](https://doi.org/10.1007/978-3-030-55190-2_62)

Khodamoradi A, Liu G, Mattavelli P, Messo T. 2020. Simultaneous Identification of Multiple Control Loops in DC Microgrid Power Converters. *IEEE Transactions on Industrial Electronics*. 67(12):10641-10651. <https://doi.org/10.1109/TIE.2019.2958286>

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

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

Dubljevic S, Humaloja J-P. 2020. Model predictive control for regular linear systems. *Automatica*. 119. <https://doi.org/10.1016/j.automatica.2020.109066>

Lampinen S, Niemi J, Mattila J. 2020. Flow-bounded trajectory-scaling algorithm for hydraulic robotic manipulators. teoksessa *2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020*. IEEE. Sivut 619-624. (IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM). <https://doi.org/10.1109/AIM43001.2020.9158851>

Ghorbani M, Dehmer M, Cao S, Feng L, Tao J, Emmert-Streib F. 2020. On the zeros of the partial Hosoya polynomial of graphs. *Information Sciences*. 524:199-215. <https://doi.org/10.1016/j.ins.2020.03.011>

Ryynänen T, Mzezewa R, Meriläinen E, Hyvärinen T, Lekkala J, Narkilahti S, Kallio P. 2020. Transparent microelectrode arrays fabricated by ion beam assisted deposition for neuronal cell in vitro recordings. *Micromachines*. 11(5). <https://doi.org/10.3390/M111050497>

Agostini T, Negri VD, Minav T, Pietola M. 2020. Effect of energy recovery on efficiency in electro-hydrostatic closed system for differential actuator. *Actuators*. 9(1). <https://doi.org/10.3390/act9010012>

Raitoharju M, García-Fernández F, Hostettler R, Piché R, Särkkä S. 2020. Gaussian mixture models for signal mapping and positioning. *Signal Processing*. 168. <https://doi.org/10.1016/j.sigpro.2019.107330>

Belardini A, Leahu G, Petronijevic E, Hakkarainen T, Koivusalo E, Piton MR, Talmila S, Guina M, Sibilia C. 2020. Circular dichroism in the second harmonic field evidenced by asymmetric Au coated GaAs nanowires. *Micromachines*. 11(2):1-8. <https://doi.org/10.3390/mi11020225>

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

Michalas A, Kiss T. 2020. Charlie and the CryptoFactory: Towards Secure and Trusted Manufacturing Environments. teoksessa *20th IEEE Mediterranean Electrotechnical Conference, MELECON 2020: Proceedings*. IEEE. Sivut 141-146. (IEEE Mediterranean Electrotechnical Conference). <https://doi.org/10.1109/MELECON48756.2020.9140712>

Casoli P, Scolari F, Minav T, Rundo M. 2020. Comparative energy analysis of a load sensing system and a zonal hydraulics for a 9-tonne excavator. *Actuators*. 9(2). <https://doi.org/10.3390/ACT9020039>

Okkonen J, Helle T, Lindsten H. 2020. Ethical considerations on using learning analytics in Finnish higher education. Nazir S, Ahram T, Karwowski W, Toimittajat. teoksessa *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*. Springer. Sivut 77-85. (Advances in Intelligent Systems and Computing).

[https://doi.org/10.1007/978-3-030-50896-8\\_12](https://doi.org/10.1007/978-3-030-50896-8_12)

Okkonen J, Helle T, Lindsten H. 2020. Expectation differences between students and staff of using learning analytics in Finnish universities. Rocha Á, Ferrás C, Montenegro Marin CE, Medina García VH, Toimittajat. teoksessa *Information Technology and Systems: Proceedings of ICITS 2020*. Springer. Sivut 383-393. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-030-40690-5\\_38](https://doi.org/10.1007/978-3-030-40690-5_38)

Ali I, Durmush A, Suominen O, Yli-Hietanen J, Peltonen S, Collin J, Gotchev A. 2020. FinnForest dataset: A forest landscape for visual SLAM. *ROBOTICS AND AUTONOMOUS SYSTEMS*. 132. <https://doi.org/10.1016/j.robot.2020.103610>

Singh AK, Ahonen A, Ghabcheloo R, Mueller A. 2020. Introducing Multi-Convexity in Path Constrained Trajectory Optimization for Mobile Manipulators. teoksessa *European Control Conference 2020, ECC 2020*. IEEE. Sivut 1178-1185.

Lauri M, Pajarinen J, Peters J, Frintrop S. 2020. Multi-sensor next-best-view planning as matroid-constrained submodular maximization. *IEEE Robotics and Automation Letters*. 5(4):5323-5330. <https://doi.org/10.1109/LRA.2020.3007445>

Pajarinen J, Arenz O, Peters J, Neumann G. 2020. Probabilistic approach to physical object disentangling. *IEEE Robotics and Automation Letters*. 5(4):5510-5517. <https://doi.org/10.1109/LRA.2020.3006789>

Turunen M, Hyväluoma J, Heikkinen J, Keskinen R, Kaseva J, Hannula M, Rasa K. 2020. Quantifying the pore structure of different biochars and their impacts on the water retention properties of Sphagnum moss growing media. *Biosystems Engineering*. 191:96-106. <https://doi.org/10.1016/j.biosystemseng.2020.01.006>

Mäkinen P, Mustalahti P, Launis S, Mattila J. 2020. Redundancy-based visual tool center point pose estimation for long-reach manipulators. teoksessa *2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020*. IEEE. Sivut 1387-1393. (IEEE/ASME International Conference on Advanced Intelligent Mechatronics). <https://doi.org/10.1109/AIM43001.2020.9159022>

Gusrialdi A, Xu Y, Qu Z, Simaan MA. 2020. Resilient Cooperative Voltage Control for Distribution Network with High Penetration Distributed Energy Resources. teoksessa *European Control Conference 2020, ECC 2020*. IEEE. Sivut 1533-1539.

Okkonen J, Ketamo H, Lindsten H, Rauhala T, Viteli J. 2020. Using AI to Decrease Demand and Supply Mismatch in ITC Labour Market. Nazir S, Ahrum T, Karwowski W, Toimittajat. teoksessa *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*. Springer. Sivut 310-316. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-030-50896-8\\_44](https://doi.org/10.1007/978-3-030-50896-8_44)

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

Sadovaya Y, Solomitckii D, Mao W, Orhan O, Nikopour H, Talwar S, Andreev S, Koucheryavy Y. 2019. Geometry-Based V2V Channel Modeling over Millimeter-Wave in Highway Scenarios. teoksessa *11th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops, ICUMT 2019*. IEEE. (International Congress on Ultra Modern Telecommunications and Control Systems and Workshops). <https://doi.org/10.1109/ICUMT48472.2019.8971006>

Masek P, Stusek M, Zeman K, Drapela R, Ometov A, Hosek J. 2019. Implementation of 3GPP LTE Cat-M1 Technology in NS-3: System Simulation and Performance. teoksessa *11th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops, ICUMT 2019*. IEEE. (International Congress on Ultra Modern Telecommunications and Control Systems and Workshops). <https://doi.org/10.1109/ICUMT48472.2019.8970869>

Mikhaylov K, Valkama M, Lema MA, Andreev S, Gupta R, Galinina O, Destino G, Mahmoodi T, Dohler M, Koucheryavy Y. 2019. Multi-Radio Perspectives for Massive MTC Localization: Energy Consumption and Utility. teoksessa *11th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops, ICUMT 2019*. IEEE.

(International Congress on Ultra Modern Telecommunications and Control Systems and Workshops).  
<https://doi.org/10.1109/ICUMT48472.2019.8970969>

Zhukov F, Galinina O, Sopin E, Andreev S, Samouylov K. 2019. On Load-Aware Cell Association Schemes for Group User Mobility in mmWave Networks. teoksessa 11th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops, ICUMT 2019. IEEE. (International Congress on Ultra Modern Telecommunications and Control Systems and Workshops). <https://doi.org/10.1109/ICUMT48472.2019.8970824>

Rajput S, Averbukh M, Yahalom A, Minav T. 2019. An approval of MPPT based on pv cell's simplified equivalent circuit during fast-shading conditions. *Electronics (Switzerland)*. 8(9). <https://doi.org/10.3390/electronics8091060>

Niu L, Chen K, Jia K, Mattila J. 2019. Efficient 3D visual perception for robotic rock breaking. teoksessa 2019 IEEE 15th International Conference on Automation Science and Engineering, CASE 2019. IEEE. Sivut 1124-1130. (IEEE International Conference on Automation Science and Engineering). <https://doi.org/10.1109/COASE.2019.8842859>

Yu G, Dehmer M, Emmert-Streib F, Jodlbauer H. 2019. Hermitian normalized Laplacian matrix for directed networks. *Information Sciences*. 495:175-184. <https://doi.org/10.1016/j.ins.2019.04.049>

Mansour M, Davidson P, Stepanov O, Raunio JP, Aref MM, Piché R. 2019. Depth estimation with ego-motion assisted monocular camera. *Gyroscope and Navigation*. 10(3):111-123. <https://doi.org/10.1134/S2075108719030064>

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

Shu B, Sziebig G, Pieters R. 2019. Architecture for Safe Human-Robot Collaboration: Multi-Modal Communication in Virtual Reality for Efficient Task Execution. teoksessa 2019 IEEE 28th International Symposium on Industrial Electronics, ISIE 2019. IEEE. Sivut 2297-2302. <https://doi.org/10.1109/ISIE.2019.8781372>

Huhtala K, Paunonen L. 2019. Robust output regulation of counter-flow heat exchangers. teoksessa 3rd IFAC Workshop on Control of Systems Governed by Partial Differential Equations, CPDE 2019. IFAC. Sivut 201-206. (IFAC-PapersOnLine). <https://doi.org/10.1016/j.ifacol.2019.08.036>

Humaloja J-P, Paunonen L. 2019. The internal model principle for boundary control systems with polynomially bounded exogenous signals. teoksessa 3rd IFAC Workshop on Control of Systems Governed by Partial Differential Equations, CPDE 2019. IFAC. Sivut 156-161. (IFAC-PapersOnLine). <https://doi.org/10.1016/j.ifacol.2019.08.028>

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

Pyrhönen V-P, Vilkkö M. 2019. Improving tracking performance of composite nonlinear feedback controllers via new reset and hold feature of nonlinear functions. Juuso E, Toimittaja. teoksessa Automaatiopäivät 23: 15-16.5.2019 Oulu.. Oulu: Suomen Automaatioseura.

Pyrhönen V-P. 2019. Robust and perfect tracking control of a DC servo motor. Juuso E, Toimittaja. teoksessa Automaatiopäivät 23: 15-16.5.2019, Oulu. Oulu: Suomen Automaatioseura.

Itävuo P, Hulthén E, Yahyaei M, Vilkkö M. 2019. Mass balance control of crushing circuits. *Minerals Engineering*. 135:37-47. <https://doi.org/10.1016/j.mineng.2019.02.033>

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

- Bhargav N, da Silva CRN, Cotton SL, Sofotasios PC, Yacoub MD. 2019. Double Shadowing the Rician Fading Model. *IEEE Wireless Communications Letters*. 8(2):344-347. <https://doi.org/10.1109/LWC.2018.2871677>
- Backas J, Ghabcheloo R. 2019. Nonlinear model predictive energy management of hydrostatic drive transmissions. *Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering*. 233(3):335-347. <https://doi.org/10.1177/0959651818793454>
- Moltchanov D, Samuylov A, Petrov V, Gapeyenko M, Himayat N, Andreev S, Koucheryavy Y. 2019. Improving Session Continuity with Bandwidth Reservation in mmWave Communications. *IEEE Wireless Communications Letters*. 8(1):105-108. <https://doi.org/10.1109/LWC.2018.2859988>
- Puonti M, Raitalaakso T. 2019. Data Vault Mappings to Dimensional Model Using Schema Matching. Doucek P, Basl J, Pavlicek A, Tjoa AM, Detter K, Raffai M, Toimittajat. *teoksessa Research and Practical Issues of Enterprise Information Systems - 13th IFIP WG 8.9 International Conference, CONFENIS 2019, Proceedings*. Springer. Sivut 55-64. (Lecture Notes in Business Information Processing). [https://doi.org/10.1007/978-3-030-37632-1\\_5](https://doi.org/10.1007/978-3-030-37632-1_5)
- Begishev VO, Sopin ES, Molchanov DA, Samouylov AK, Gaidamaka YV, Samouylov KE. 2019. Performance evaluation of bandwidth reservation for mmWave 5G NR systems. *Informatsionno-Upravliaiushchie Sistemy*. (5):51-63. <https://doi.org/10.31799/1684-8853-2019-5-51-63>
- Dehmer M, Chen Z, Emmert-Streib F, Mowshowitz A, Shi Y, Tripathi S, Zhang Y. 2019. Towards detecting structural branching and cyclicity in graphs: A polynomial-based approach. *Information Sciences*. 471:19-28. <https://doi.org/10.1016/j.ins.2018.08.043>
- Al-Ars Z, van der Vlugt S, Jääskeläinen P, van der Linden F. 2019. ALMARVI System Solution for Image and Video Processing in Healthcare, Surveillance and Mobile Applications. *Journal of Signal Processing Systems*. 91(1):1-7. <https://doi.org/10.1007/s11265-018-1423-2>
- Halonen N, Majuri M, Lanz M. 2019. Characteristics of a circular economy framework to support strategic renewal in manufacturing firms. *Procedia CIRP*. 81:653-658. <https://doi.org/10.1016/j.procir.2019.03.171>
- Taivalsaari A, Mikkonen T, Pautasso C, Systä K. 2019. Client-Side Cornucopia: Comparing the Built-In Application Architecture Models in the Web Browser. Escalona MJ, Domínguez Mayo F, Majchrzak TA, Monfort V, Toimittajat. *teoksessa Web Information Systems and Technologies - 14th International Conference, WEBIST 2018, Revised Selected Papers*. Springer. Sivut 1-24. (Lecture Notes in Business Information Processing). [https://doi.org/10.1007/978-3-030-35330-8\\_1](https://doi.org/10.1007/978-3-030-35330-8_1)
- Changizi A, Dianatfar M, Lanz M. 2019. Comfort Design in Human Robot Cooperative Tasks. *teoksessa Human Systems Engineering and Design - Proceedings of the 1st International Conference on Human Systems Engineering and Design IHSED2018: Future Trends and Applications*. Springer Verlag. Sivut 521-526. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-030-02053-8\\_79](https://doi.org/10.1007/978-3-030-02053-8_79)
- Reunanen T, Vanharanta H. 2019. Correlations between holistic awareness of time and innovativeness. *teoksessa Advances in Human Factors, Business Management and Society - Proceedings of the AHFE 2018 International Conference on Human Factors, Business Management and Society, 2018*. Springer. Sivut 105-117. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-94709-9\\_11](https://doi.org/10.1007/978-3-319-94709-9_11)
- Okkonen J, Vuori V, Palvalin M. 2019. Digitalization Changing Work: Employees' View on the Benefits and Hindrances. Paredes M, Ferrás C, Rocha Á, Toimittajat. *teoksessa Information Technology and Systems - Proceedings of ICITS 2019*. Springer Verlag. Sivut 165-176. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-030-11890-7\\_17](https://doi.org/10.1007/978-3-030-11890-7_17)
- Pascual Campo P, Lampu V, Meirhaeghe A, Boutellier J, Anttila L, Valkama M. 2019. Digital Predistortion for 5G Small Cell: GPU Implementation and RF Measurements. *Journal of Signal Processing Systems*. <https://doi.org/10.1007/s11265-019-01502-4>

Joshy 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 Automatises*. 52(5):429-437. <https://doi.org/10.18280/jesa.520501>

Heikkinen JE, Gafurov S, Kopylov S, Minav T, Grebennikov S, Kurbanov A. 2019. Hardware-in-the-loop platform for testing autonomous vehicle control algorithms. Al-Jumeily D, Hind J, Mustafina J, Al-Hajj A, Hussain A, Magid E, Tawfik H, Toimittajat. teoksessa *Proceedings - 12th International Conference on the Developments in eSystems Engineering, DeSE 2019*. IEEE. Sivut 906-911. (International Conference on Developments in eSystems Engineering, DeSE). <https://doi.org/10.1109/DeSE.2019.00168>

Neonen N, Kivistö-Rahnasto J, Anttila S. 2019. How workplaces actually carry out OSH-related risk assessment and management. Arezes PM, Toimittaja. teoksessa *Advances in Safety Management and Human Factors - Proceedings of the AHFE 2019 International Conference on Safety Management and Human Factors*. Springer Verlag. Sivut 239-251. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-030-20497-6\\_22](https://doi.org/10.1007/978-3-030-20497-6_22)

Gao Q, Linjama M, Paloniitty M, Zhu Y. 2019. 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*. <https://doi.org/10.1177/0959651819884749>

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

Kisliitsyn AA, Orlov YN, Moltchanov DA, Samuylov AK, Chukarin AV, Gaidamaka YV. 2019. On the Distribution of the Stationary Point of Significance Level for Empirical Distribution Function. teoksessa *2018 10th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT)*. IEEE COMPUTER SOCIETY PRESS. (International Congress on Ultra Modern Telecommunications and Control Systems and Workshops). <https://doi.org/10.1109/ICUMT.2018.8631234>

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

Lemougna PN, Yliniemi J, Ismailov A, Levänen E, Tanskanen P, Kinnunen P, Roning J, Illikainen M. 2019. Spodumene tailings for porcelain and structural materials: Effect of temperature (1050–1200°C) on the sintering and properties. *Minerals Engineering*. <https://doi.org/10.1016/j.mineng.2019.105843>

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

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

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

Badarneh OS, da Costa DB, Sofotasios PC, Muhaidat S, Cotton SL. 2018. On the Sum of Fisher-Snedecor F Variates and its Application to Maximal-Ratio Combining. *IEEE Wireless Communications Letters*. 7(6):966-969. <https://doi.org/10.1109/LWC.2018.2836453>

Hautala I, Boutellier J, Nyländen T, Silvén O. 2018. Toward Efficient Execution of RVC-CAL Dataflow Programs on Multicore Platforms. *Journal of Signal Processing Systems*. 90(11):1507-1517. <https://doi.org/10.1007/s11265-018-1339-x>

Dehmer M, Chen Z, Emmert-Streib F, Shi Y, Tripathi S. 2018. Graph measures with high discrimination power revisited: A random polynomial approach. *Information Sciences*. 467:407-414. <https://doi.org/10.1016/j.ins.2018.07.072>

Angioni A, Lu S, Hooshyar H, Cairo I, Repo S, Ponci F, Della Giustina D, Kulmala A, Dedè A, Monti A, Del Rosario G, Vanfretti L, Garcia CC. 2018. A distributed automation architecture for distribution networks, from design to implementation. *Sustainable Energy, Grids and Networks*. 15:3-13. <https://doi.org/10.1016/j.segan.2017.04.001>

Barbato A, Dedè A, Della Giustina D, Massa G, Angioni A, Lipari G, Ponci F, Repo S. 2018. Lessons learnt from real-time monitoring of the low voltage distribution network. *Sustainable Energy, Grids and Networks*. 15:76-85. <https://doi.org/10.1016/j.segan.2017.05.002>

Carabias-Orti JJ, Cabanas-Molero P, Vera-Candeas P, Nikunen J. 2018. Multi-source localization using a DOA Kernel based spatial covariance model and complex nonnegative matrix factorization. *teoksessa 2018 IEEE 10th Sensor Array and Multichannel Signal Processing Workshop, SAM 2018*. IEEE. Sivut 440-444. (Proceedings of the IEEE Sensor Array and Multichannel Signal Processing Workshop). <https://doi.org/10.1109/SAM.2018.8448664>

Ghabcheloo R, Siddiqui S. 2018. Complete Odometry Estimation of a Vehicle Using Single Automotive Radar and a Gyroscope. *teoksessa MED 2018 - 26th Mediterranean Conference on Control and Automation*. IEEE. Sivut 855-860. <https://doi.org/10.1109/MED.2018.8442474>

Coatanea E, Roca R. 2018. Dimensional analysis conceptual modeling supporting adaptable reasoning in simulation-based training. *teoksessa 2018 13th System of Systems Engineering Conference, SoSE 2018*. IEEE. Sivut 245-252. <https://doi.org/10.1109/SYSOSE.2018.8428785>

Castro LM, Acha E, Rodriguez-Rodriguez JR. 2018. Efficient method for the real-time contingency analysis of meshed HVDC power grids fed by VSC stations. *IET Generation, Transmission and Distribution*. 12(13):3158-3166. <https://doi.org/10.1049/iet-gtd.2017.1104>

Phan D, Rodrigues SS. 2018. Stabilization to trajectories for parabolic equations. *Mathematics of Control, Signals, and Systems*. 30(2). <https://doi.org/10.1007/s00498-018-0218-0>

Suzumori K, Hyon SH, Semini C, Mattila J, Kanda T. 2018. Preface: Special Issue on 'New Hydraulic Components for Tough Robots'. *Advanced Robotics*. 32(9). <https://doi.org/10.1080/01691864.2018.1466427>

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*. 29(4):658-675. <https://doi.org/10.1108/JMTM-12-2016-0178>

Evchina Y, Martinez Lastra JL. 2018. An approach to combining related notifications in large-scale building management systems with a rehabilitation facility case study. *Automation in Construction*. 87:106-116. <https://doi.org/10.1016/j.autcon.2017.12.020>

Lenarduzzi V, Stan AC, Taibi D, Venters G, Windegger M. 2018. Prioritizing corrective maintenance activities for android applications: An industrial case study on android crash reports. *teoksessa Software Quality: Methods and Tools for Better Software and Systems - 10th International Conference, SWQD 2018, Proceedings*. Springer-Verlag Berlin Heidelberg. Sivut 133-143. (Lecture Notes in Business Information Processing). [https://doi.org/10.1007/978-3-319-71440-0\\_8](https://doi.org/10.1007/978-3-319-71440-0_8)

Koivumäki J, Zhu WH, Mattila J. 2018. Addressing closed-chain dynamics for high-precision control of hydraulic cylinder actuated manipulators. *teoksessa BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018*. ASME. <https://doi.org/10.1115/FPMC2018-8839>

Nurmi J, Aref MM, Mattila J. 2018. A neural network strategy for learning of nonlinearities toward feed-forward control of pressure-compensated hydraulic valves with a significant dead zone. *teoksessa BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018*. ASME. <https://doi.org/10.1115/FPMC2018-8847>

Paunonen L, Gorrec YL, Ramírez H. 2018. A Simple Robust Controller for Port–Hamiltonian Systems. teoksessa 6th IFAC Workshop on Lagrangian and Hamiltonian Methods for Nonlinear Control LHMNC 2018. Sivut 92-96. (IFAC-PapersOnLine; 3). <https://doi.org/10.1016/j.ifacol.2018.06.024>

Kannisto P, Hästbacka D. 2018. Asynchronous communication platform concept to coordinate large-scale industrial processes. IFAC-PapersOnLine. 51(11):1403-1408. <https://doi.org/10.1016/j.ifacol.2018.08.325>

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. 54(2):1469-1480. <https://doi.org/10.1109/TIA.2017.2765302>

Penttinen M, Reunanen T, Borgmeier A. 2018. Avoiding wow-gaps through wow-canvas in business development. teoksessa 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. Springer Verlag. Sivut 86-95. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-60372-8\\_9](https://doi.org/10.1007/978-3-319-60372-8_9)

Lampinen S, Koivumäki J, Mattila J. 2018. Bilateral teleoperation of a hydraulic robotic manipulator in contact with physical and virtual constraints. teoksessa BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018. ASME. <https://doi.org/10.1115/FPMC2018-8842>

Danaee S, Nurmi J, Minav T, Mattila J, Pietola M. 2018. Direct position control of electro-hydraulic excavator. teoksessa BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018. ASME. <https://doi.org/10.1115/FPMC2018-8896>

Tikkanen S, Ahola V, Koskela E. 2018. Effect of driver and work cycle on losses of a loader. teoksessa BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018. ASME. <https://doi.org/10.1115/FPMC2018-8919>

Vazquez L, Majanne Y, Castro M, Luukkanen J, Hohmeyer O, Vilaragut M, Diaz D. 2018. Energy System Planning towards Renewable Power System: Energy Matrix Change in Cuba by 2030. IFAC-PapersOnLine. 51(28):522-527. <https://doi.org/10.1016/j.ifacol.2018.11.756>

Penttinen M, Reunanen T, Borgmeier A. 2018. Finding the wow-factor to enhance business. teoksessa 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. Springer Verlag. Sivut 96-105. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-60372-8\\_10](https://doi.org/10.1007/978-3-319-60372-8_10)

Mäkinen P, Dmitrochenko O, Mattila J. 2018. Floating frame of reference formulation for a flexible manipulator with hydraulic actuation - Modelling and experimental validation. teoksessa BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018. ASME. <https://doi.org/10.1115/FPMC2018-8846>

Martins L, Canelas P, Mora A, Ribeiro AS, Fonseca J. 2018. 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. teoksessa Simulation and Modeling Methodologies, Technologies and Applications - International Conference, SIMULTECH 2016, Revised Selected Papers. Springer Verlag. Sivut 52-74. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-69832-8\\_4](https://doi.org/10.1007/978-3-319-69832-8_4)

Reunanen T, Maijala R. 2018. Management style, focus and purpose in development of lean in university hospital. teoksessa 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. Springer Verlag. Sivut 52-64. (Advances in Intelligent Systems and Computing). [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, Mela K, Tiainen T, Heinisuo M, Lombaert G, Schevenels M. 2018. Mixed-integer linear programming approach for global discrete sizing optimization of frame structures. Structural and Multidisciplinary Optimization. 57(2):579–593. <https://doi.org/10.1007/s00158-017-1770-9>

- Linjama M. 2018. Model-based control of a digital hydraulic transformer-based hybrid actuator. teoksessa BATH/ASME 2018 Symposium on Fluid Power and Motion Control, FPMC 2018. ASME. <https://doi.org/10.1115/FPMC2018-8866>
- Wu J, Blattner T, Keyrouz W, Bhattacharyya SS. 2018. Model-Based Dynamic Scheduling for Multicore Signal Processing . Journal of Signal Processing Systems. 1-14. <https://doi.org/10.1007/s11265-018-1412-5>
- Reunanen T, Röhr T, Holopainen T, Schneider-Störmann L, Görne J. 2018. On the basis of the sales engineering competences and education. teoksessa 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. Springer Verlag. Sivut 160-172. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-60372-8\\_16](https://doi.org/10.1007/978-3-319-60372-8_16)
- Dehmer M, Chen Z, Mowshowitz A, Jodlbauer H, Emmert-Streib F, Shi Y, Tripathi S, Xia C. 2018. On the degeneracy of the Randić entropy and related graph measures. Information Sciences. <https://doi.org/10.1016/j.ins.2018.11.011>
- Reinikka T, Luhtala R, Alenius H, Roinila T, Messo T. 2018. PHIL Test Bench for Online-Identification Methods of Complex Power Grid. IFAC-PapersOnLine. 51(15):832-837. <https://doi.org/10.1016/j.ifacol.2018.09.122>
- Laakkonen P, Paunonen L. 2018. Reduced Order Internal Models in the Frequency Domain. IEEE Transactions on Automatic Control. 63(6):1806-1812. <https://doi.org/10.1109/TAC.2017.2751520>
- Humaloja J-P, Paunonen L. 2018. Robust Regulation of Infinite-Dimensional Port-Hamiltonian Systems. IEEE Transactions on Automatic Control. 63(5). <https://doi.org/10.1109/TAC.2017.2748055>
- Ometov A, Daneshfar N, Hazmi A, Andreev S, Del Carpio LF, Amin P, Torsner J, Koucheryavy Y, Valkama M. 2018. System-level analysis of IEEE 802.11ah technology for unsaturated MTC traffic. International Journal of Sensor Networks . 26(4):269-282. <https://doi.org/10.1504/IJSNET.2018.090480>
- Sariola R. 2018. Utilizing the innovation potential of suppliers in construction projects. Construction Innovation. 18(2). <https://doi.org/10.1108/CI-06-2017-0050>
- Shao K, Zhou B, Wang G, Yu B. 2018. 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. 40(10):2354-2362. <https://doi.org/10.3969/j.issn.1001-506X.2018.10.29>
- Pyrhönen V-P, Koivisto H, Vilkkö M. 2017. A Reduced-Order Two-Degree-of-Freedom Composite Nonlinear Feedback Control for a Rotary DC Servo Motor. teoksessa Proceedings of the 56th IEEE Conference on Decision and Control. Melbourne, Australia. Sivut 2065-2071. <https://doi.org/10.1109/CDC.2017.8263951>
- Dehmer M, Emmert-Streib F, Shi Y. 2017. Quantitative Graph Theory: A new branch of graph theory and network science . Information Sciences. 418-419:575-580. <https://doi.org/10.1016/j.ins.2017.08.009>
- Katkovnik V, Ponomarenko M, Egiazarian K. 2017. Sparse approximations in complex domain based on BM3D modeling. Signal Processing. 141:96-108. <https://doi.org/10.1016/j.sigpro.2017.05.032>
- Koivumäki J, Mattila J. 2017. Adaptive and nonlinear control of discharge pressure for variable displacement axial piston pumps. Journal of Dynamic Systems, Measurement and Control: Transactions of the ASME. 139(10). <https://doi.org/10.1115/1.4036537>
- Dehmer M, Emmert-Streib F, Hu B, Shi Y, Stefu M, Tripathi S. 2017. Highly unique network descriptors based on the roots of the permanent polynomial. Information Sciences. 408:176-181. <https://doi.org/10.1016/j.ins.2017.04.041>



- Shao K, Yu B, Wang G. 2017. Multiuser detection scheme for SCMA with partial extrinsic information transmission. *Xi Tong Gong Cheng Yu Dian Zi Ji Shu/Systems Engineering and Electronics*. 39(10):2320-2326. <https://doi.org/10.3969/j.issn.1001-506X.2017.10.24>
- Kivelä T, Mattila J, Puura J. 2017. A generic method to optimize a redundant serial robotic manipulator's structure. *Automation in Construction*. 81:172-179. <https://doi.org/10.1016/j.autcon.2017.06.006>
- Paunonen L. 2017. Robust Output Regulation for Continuous-Time Periodic Systems. *IEEE Transactions on Automatic Control*. 62(9):4363-4375. <https://doi.org/10.1109/TAC.2017.2654968>
- Tuominen V, Reponen H, Kulmala A, Lu S, Repo S. 2017. Real-time hardware- and software-in-the-loop simulation of decentralised distribution network control architecture. *IET Generation, Transmission and Distribution*. 11(12):3057-3064. <https://doi.org/10.1049/iet-gtd.2016.1570>
- Itävuo P, Hulthén E, Vilkkö M. 2017. Feed-hopper level estimation and control in cone crushers. *Minerals Engineering*. 110:82-95. <https://doi.org/10.1016/j.mineng.2017.04.010>
- Korpela T, Kumpulainen P, Majanne Y, Häyrynen A, Lautala P. 2017. Indirect NO<sub>x</sub> emission monitoring in natural gas fired boilers. *Control Engineering Practice*. 65:11-25. <https://doi.org/10.1016/j.conengprac.2017.04.013>
- Lauri M, Heinänen E, Frintrop S. 2017. Multi-robot active information gathering with periodic communication. teoksessa ICRA 2017 - IEEE International Conference on Robotics and Automation. IEEE. Sivut 851-856. <https://doi.org/10.1109/ICRA.2017.7989104>
- Hietanen A, Halme J, Buch AG, Latokartano J, Kamarainen J-K. 2017. Robustifying correspondence based 6D object pose estimation. teoksessa ICRA 2017 - IEEE International Conference on Robotics and Automation. IEEE. Sivut 739-745. <https://doi.org/10.1109/ICRA.2017.7989091>
- Lehtimäki M, Paunonen L, Pohjolainen S, Linne M-L. 2017. Order reduction for a signaling pathway model of neuronal synaptic plasticity. teoksessa 20th IFAC World Congress. IFAC. Sivut 7687-7692. (IFAC-PapersOnLine). <https://doi.org/10.1016/j.ifacol.2017.08.1143>
- Laakkonen P. 2017. Robust Regulation of MIMO systems: A Reformulation of the Internal Model Principle. teoksessa 20th IFAC World Congress. IFAC. Sivut 693-697. (IFAC-PapersOnLine). <https://doi.org/10.1016/j.ifacol.2017.08.125>
- Majanne Y, Yli-Fossi T, Korpela T, Nurmoranta M, Kortela J. 2017. Utilization of Drum Boilers' Storage Capacity for Flexible Operation. teoksessa IFAC-PapersOnLine. IFAC. Sivut 2005-2010. (IFAC-PapersOnLine). <https://doi.org/10.1016/j.ifacol.2017.08.186>
- Mate S, Curcio IDD, Shetty R, Cricri F. 2017. Mobile devices and professional equipment synergies for sport video summary production. teoksessa TVX 2017 - Adjunct Publication of the 2017 ACM International Conference on Interactive Experiences for TV and Online Video. ACM. Sivut 45-50. <https://doi.org/10.1145/3084289.3089922>
- Ellervee P, Nurmi J. 2017. Guest Editorial: Implementation Issues in System-on-Chip. *Journal of Signal Processing Systems*. 87(3):269-270. <https://doi.org/10.1007/s11265-017-1242-x>
- Hussain W, Hoffmann H, Ahonen T, Nurmi J. 2017. Power Mitigation by Performance Equalization in a Heterogeneous Reconfigurable Multicore Architecture. *Journal of Signal Processing Systems*. 87(3):287-297. <https://doi.org/10.1007/s11265-016-1142-5>
- Laakkonen P, Quadrat A. 2017. A fractional representation approach to the robust regulation problem for SISO systems. *Systems and Control Letters*. 103:32-37. <https://doi.org/10.1016/j.sysconle.2017.02.006>

Paunonen L, Seifert D. 2017. Asymptotic behaviour in the robot rendezvous problem. *Automatica*. 79:127-130. <https://doi.org/10.1016/j.automatica.2017.02.015>

Paunonen L. 2017. Output Regulation of Infinite-Dimensional Time-Delay Systems. teoksessa *American Control Conference (ACC), 2017*. IEEE. Sivut 3189-3193. (Proceedings of the American Control Conference). <https://doi.org/10.23919/ACC.2017.7963438>

Mattila J, Koivumäki J, Caldwell DG, Semini C. 2017. A survey on control of hydraulic robotic manipulators with projection to future trends. *IEEE - ASME Transactions on Mechatronics*. 22(2):669-680. <https://doi.org/10.1109/TMECH.2017.2668604>

Mattila J, Semini C, Moon H, Buchli J, Hyon S, Li PY, Yao B. 2017. Guest editorial introduction to the focused section on design and control of hydraulic robots. *IEEE - ASME Transactions on Mechatronics*. 22(2):585-588. <https://doi.org/10.1109/TMECH.2017.2668611>

Kivimäki J, Sitbon M, Kolesnik S, Kuperman A, Suntio T. 2017. Determining maximum MPP-tracking sampling frequency for input-voltage-controlled PV-interfacing converter. teoksessa *8th Annual IEEE Energy Conversion Congress & Exposition (ECCE 2016)*. IEEE. <https://doi.org/10.1109/ECCE.2016.7855036>

Blattner T, Keyrouz W, Bhattacharyya SS, Halem M, Brady M. 2017. A Hybrid Task Graph Scheduler for High Performance Image Processing Workflows. *Journal of Signal Processing Systems*. 89(3):457-467. <https://doi.org/10.1007/s11265-017-1262-6>

Taibi D, Lenarduzzi V, Janes A, Liukkunen K, Ahmad MO. 2017. Comparing requirements decomposition within the Scrum, Scrum with Kanban, XP, and Banana development processes. teoksessa *Agile Processes in Software Engineering and Extreme Programming - 18th International Conference, XP 2017, Proceedings*. Springer Verlag. Sivut 68-83. (Lecture Notes in Business Information Processing). [https://doi.org/10.1007/978-3-319-57633-6\\_5](https://doi.org/10.1007/978-3-319-57633-6_5)

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

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

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

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

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

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

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

Li K, Ghazi A, Tarver C, Boutellier J, Abdelaziz M, Anttila L, Juntti M, Valkama M, Cavallaro JR. 2017. Parallel Digital Predistortion Design on Mobile GPU and Embedded Multicore CPU for Mobile Transmitters. *Journal of Signal Processing Systems*. 89(3):417–430. <https://doi.org/10.1007/s11265-017-1233-y>

Sofotasios PC, Fikadu MK, Muhaidat S, Freear S, Karagiannidis GK, Valkama M. 2017. Relay Selection Based Full-Duplex Cooperative Systems under Adaptive Transmission. *IEEE Wireless Communications Letters*. 6(5):602-605. <https://doi.org/10.1109/LWC.2017.2721944>

Korpela A, Tarhasaari T, Kettunen L, Mikkonen R, Kinnari-Korpela H. 2017. Structural development of substance in engineering education: Method of cornerstones. teoksessa *Interactive Collaborative Learning - Proceedings of the 19th ICL Conference - Volume 1*. Springer Verlag. Sivut 566-576. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-50337-0\\_54](https://doi.org/10.1007/978-3-319-50337-0_54)

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

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

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

Solomitskii D, Li QC, Balercia T, Da Silva CRCM, Talwar S, Andreev S, Koucheryavy Y. 2016. Characterizing the Impact of Diffuse Scattering in Urban Millimeter-Wave Deployments. *IEEE Wireless Communications Letters*. 5(4):432-435. <https://doi.org/10.1109/LWC.2016.2580669>

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

Koskialho J. 2016. A manager’s means to motivate experts at work. Kantola J, Barath T, Nazir S, Andre T, Toimittajat. teoksessa *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*. Springer International Publishing. Sivut 1047-1054. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-42070-7\\_95](https://doi.org/10.1007/978-3-319-42070-7_95)

Markopoulos E, Vanharanta H. 2016. Space for company democracy. teoksessa *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*. Springer International Publishing. Sivut 275-287. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-42070-7\\_26](https://doi.org/10.1007/978-3-319-42070-7_26)

Kolesnik S, Sitbon M, Agranovich G, Kuperman A, Suntio T. 2016. Comparison of photovoltaic and wind generators as dynamic input sources to power processing interfaces. teoksessa *2016 2nd International Conference on Intelligent Energy and Power Systems, IEPS 2016 - Conference Proceedings*. IEEE. <https://doi.org/10.1109/IEPS.2016.7521859>

Korpela T, Suominen O, Majanne Y, Laukkanen V, Lautala P. 2016. Robust data reconciliation of combustion variables in multi-fuel fired industrial boilers. *Control Engineering Practice*. 55:101-115. <https://doi.org/10.1016/j.conengprac.2016.07.002>

- Karamanakos P, Geyer T, Kennel R. 2016. A Computationally Efficient Model Predictive Control Strategy for Linear Systems with Integer Inputs. *IEEE Transactions on Control Systems Technology*. 24(4):1463-1471. <https://doi.org/10.1109/TCST.2015.2501348>
- Hirvonen J, Lai Y, Cunha G, Rojas O, Kallio P. 2016. Automated Estimation of Contact Angle on Hydrophobic Fibers using a Microrobotic Platform. teoksessa *Proceedings of the Sixth International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale (3M-NANO)*. IEEE. <https://doi.org/10.1109/3M-NANO.2016.7824935>
- Emmert-Streib F, Dehmer M, Shi Y. 2016. Fifty years of graph matching, network alignment and network comparison. *Information Sciences*. 346-347:180-197. <https://doi.org/10.1016/j.ins.2016.01.074>
- Thabet M, Montebelli A, Kyrki V. 2016. Learning movement synchronization in multi-component robotic systems. teoksessa *2016 IEEE International Conference on Robotics and Automation (ICRA)*. IEEE. Sivut 249-256. <https://doi.org/10.1109/ICRA.2016.7487141>
- Välimäki T, Ritala R. 2016. Optimizing gaze direction in a visual navigation task. teoksessa *2016 IEEE International Conference on Robotics and Automation (ICRA)*. IEEE. Sivut 1427-1432. <https://doi.org/10.1109/ICRA.2016.7487276>
- Koski A, Mikkonen T. 2016. On the windy road to become a service provider: Reflections from designing a mission critical information system provided as a service. teoksessa *2016 International Conference on Information Systems Engineering (ICISE)*. IEEE. Sivut 51-56. <https://doi.org/10.1109/ICISE.2016.10>
- Vihonen J, Honkakorpi J, Tuominen J, Mattila J, Visa A. 2016. Linear accelerometers and rate gyros for rotary joint angle estimation of heavy-duty mobile manipulators using forward kinematic modeling. *IEEE - ASME Transactions on Mechatronics*. 21(3):1765-1774. <https://doi.org/10.1109/TMECH.2016.2544352>
- Mäkitalo N, Aaltonen T, Mikkonen T. 2016. Coordinating proactive social devices in a mobile cloud: Lessons learned and a way forward. teoksessa *MOBILESoft '16 Proceedings of the International Conference on Mobile Software Engineering and Systems*. ACM. Sivut 179-188. <https://doi.org/10.1145/2897073.2897079>
- Immonen P, Ponomarev P, Åman R, Ahola V, Uusi-Heikkilä J, Laurila L, Handroos H, Niemelä M, Pyrhönen J, Huhtala K. 2016. Energy saving in working hydraulics of long booms in heavy working vehicles. *Automation in Construction*. 65:125-132. <https://doi.org/10.1016/j.autcon.2015.12.015>
- Koskialho J, Einolander J, Vanharanta H. 2016. Commitment and motivation in professional organization. teoksessa *Advances in Human Factors, Business Management, Training and Education: Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society*. Springer Verlag. Sivut 47-58. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-42070-7\\_5](https://doi.org/10.1007/978-3-319-42070-7_5)
- Salo M, Markopoulos E, Vanharanta H, Kantola J. 2016. Degree of agility with an ontology based application. teoksessa *Advances in Human Factors, Business Management, Training and Education - Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society*. Springer Verlag. Sivut 1007-1018. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-42070-7\\_92](https://doi.org/10.1007/978-3-319-42070-7_92)
- Markopoulos E, Vanharanta H. 2016. Delphic maxims based applied philosophy for business and governance management. teoksessa *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. Springer Verlag. Sivut 33-45. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-42070-7\\_4](https://doi.org/10.1007/978-3-319-42070-7_4)
- Einolander J, Vanharanta H. 2016. Development of students' commitment over time—case study from a Finnish university of technology. teoksessa *Advances in Human Factors, Business Management, Training and Education: Proceedings of the AHFE 2016 International Conference on Human Factors, Business Management and Society*. Springer Verlag. Sivut 69-77. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-42070-7\\_7](https://doi.org/10.1007/978-3-319-42070-7_7)

Reunanen T, Kaitonen J. 2016. Different roles in leadership styles in modern organization. teoksessa *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*. Springer Verlag. Sivut 251-262. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-42070-7\\_24](https://doi.org/10.1007/978-3-319-42070-7_24)

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

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

Aghababaeetafreshi M, Lehtonen LK, Levanen T, Valkama M, Takala J. 2016. IEEE 802.11ac MIMO Transceiver Baseband Processing on a VLIW Processor. *Journal of Signal Processing Systems*. <https://doi.org/10.1007/s11265-015-1032-2>

Reunanen T, Windahl R, Vanharanta H. 2016. Innovativeness through time management. teoksessa *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*. Springer Verlag. Sivut 289-299. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-42070-7\\_27](https://doi.org/10.1007/978-3-319-42070-7_27)

Chukhman I, Jiao Y, Salem HB, Bhattacharyya SS. 2016. Instrumentation-Driven Validation of Dataflow Applications. *Journal of Signal Processing Systems*. 84(3):383–397. <https://doi.org/10.1007/s11265-015-1073-6>

Reunanen T, Junno M. 2016. Leadership focus in modern expert organization. teoksessa *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*. Springer Verlag. Sivut 979-991. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-42070-7\\_90](https://doi.org/10.1007/978-3-319-42070-7_90)

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

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

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

Berlin C, Barletta I, Fantini P, Georgoulas K, Hansich C, Lanz M, Latokartano J, Pinzone M, Schönborn G, Stahre J, Taisch M, Tuokko R. 2016. Prerequisites and conditions for socially sustainable manufacturing in Europe's future factories—results overview from the SO SMART project. teoksessa *Advances in Ergonomics of Manufacturing: Managing the Enterprise of the Future - Proceedings of the AHFE International Conference on Human Aspects of Advanced Manufacturing, 2016*. Springer Verlag. Sivut 319-330. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-41697-7\\_28](https://doi.org/10.1007/978-3-319-41697-7_28)

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

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

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

Reunanen T, Penttinen M, Borgmeier A. 2016. "Wow-factors" for boosting business. teoksessa 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. Springer Verlag. Sivut 589-600. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-42070-7\\_55](https://doi.org/10.1007/978-3-319-42070-7_55)

Karamanakos P, Geyer T, Kennel R. 2015. Computationally efficient optimization algorithms for model predictive control of linear systems with integer inputs. teoksessa 2015 54th IEEE Conference on Decision and Control, CDC 2015. Sivut 3663-3668. <https://doi.org/10.1109/CDC.2015.7402787>

Irofti P, Dumitrescu B. 2015. Cospase dictionary learning for the orthogonal case. teoksessa 2015 19th International Conference on System Theory, Control and Computing, ICSTCC 2015 - Joint Conference SINTES 19, SACCS 15, SIMSIS 19. IEEE. Sivut 343-347. <https://doi.org/10.1109/ICSTCC.2015.7321317>

Paunonen L, Laakkonen P. 2015. Polynomial Input-Output Stability for Linear Systems. IEEE Transactions on Automatic Control. 60(10):2797-2802. <https://doi.org/10.1109/TAC.2015.2398890>

Ayad A, Karamanakos P, Kennel R. 2015. Direct model predictive current control of quasi-Z-source inverters. teoksessa Proceedings - 2015 IEEE International Symposium on Predictive Control of Electrical Drives and Power Electronics, PRECEDE 2015. Institute of Electrical and Electronics Engineers Inc. Sivut 67-72. <https://doi.org/10.1109/PRECEDE.2015.7395585>

Koivumäki J, Mattila J. 2015. Stability-Guaranteed Force-Sensorless Contact Force/Motion Control of Heavy-Duty Hydraulic Manipulators. IEEE Transactions on Robotics. 31(4):918-935. <https://doi.org/10.1109/TRO.2015.2441492>

Stolze P, Karamanakos P, Kennel R, Manias S, Endisch C. 2015. Effective variable switching point predictive current control for ac low-voltage drives. International Journal of Control. 88(7):1366-1378. <https://doi.org/10.1080/00207179.2014.942699>

Aytekin C, Rezaeitabar Y, Dogru S, Ulusoy I. 2015. Railway fastener inspection by real-time machine vision. IEEE Transactions on Systems, Man, and Cybernetics: Systems. 45(7):1101-1107. <https://doi.org/10.1109/TSMC.2014.2388435>

Oftadeh R, Ghabcheloo R, Mattila J. 2015. A time-optimal bounded velocity path-following controller for generic Wheeled Mobile Robots. teoksessa 2015 IEEE International Conference on Robotics and Automation (ICRA), 26-30 May 2015, Seattle, WA. Institute of Electrical and Electronics Engineers IEEE. Sivut 676-683. <https://doi.org/10.1109/ICRA.2015.7139252>

Saketi P, Wangyang P, Li H, Wang Q, Kallio P. 2015. Electroplated nickel microspring and low-friction precision linear slider: A novel micro-force sensing tool. teoksessa 2015 IEEE International Conference on Robotics and Automation (ICRA), 26-30 May 2015, Seattle, WA. Sivut 2679-2684. <https://doi.org/10.1109/ICRA.2015.7139561>

Vihonen J, Honkakorpi J, Mattila J, Visa A. 2015. Novel pairwise coupled kinematic solution for algebraic angular acceleration estimation of serial link manipulators. teoksessa 2015 IEEE International Conference on Robotics and Automation (ICRA). Institute of Electrical and Electronics Engineers IEEE. Sivut 809-814. <https://doi.org/10.1109/ICRA.2015.7139271>

Lauri M, Ritala R. 2015. Optimal sensing via multi-armed bandit relaxations in mixed observability domains. teoksessa 2015 IEEE International Conference on Robotics and Automation (ICRA), 26-30 May 2015, Seattle, WA. Sivut 4807-4812. <https://doi.org/10.1109/ICRA.2015.7139867>

Suojanen M, Kuikka V, Nikkarila JP, Nurmi J. 2015. An example of scenario-based evaluation of military capability areas An impact assessment of alternative systems on operations. teoksessa 9th Annual IEEE International Systems Conference, SysCon 2015 - Proceedings. The Institute of Electrical and Electronics Engineers, Inc. Sivut 601-607. <https://doi.org/10.1109/SYSCON.2015.7116817>

Kähkönen K. 2015. Role and nature of systemic innovations in construction and real estate sector. Construction Innovation: Information, Process, Management. 15(2):130-133. <https://doi.org/10.1108/CI-12-2014-0055>

Vasilache A, Dahhou B, Roux G. 2015. Fast neural predictive control algorithm. teoksessa European Control Conference, ECC 1999 - Conference Proceedings. The Institute of Electrical and Electronics Engineers, Inc. Sivut 4269-4273.

Paunonen L. 2015. Designing controllers with reduced order internal models. IEEE Transactions on Automatic Control. 60(3):775-780. <https://doi.org/10.1109/TAC.2014.2329212>

Mäki A-J, Hemmilä S, Hirvonen J, Narra Girish N, Kreutzer J, Hyttinen J, Kallio P. 2015. Modeling and Experimental Characterization of Pressure Drop in Gravity-Driven Microfluidic Systems. Journal of Fluids Engineering: Transactions of the ASME. 137(2):1-8. <https://doi.org/10.1115/1.4028501>

Saketi P, Latifi SK, Hirvonen J, Rajala S, Vehkaoja A, Salpavaara T, Lekkala J, Kallio P. 2015. PVDF Microforce Sensor for the Measurement of Z-directional Strength in Paper Fiber Bonds. Sensors and Actuators A: Physical. 222(1):194-203. <https://doi.org/10.1016/j.sna.2014.12.003>

Kourous N, Iosifidis A, Tefas A, Nikolaidis N, Pitas I. 2015. Video characterization based on activity clustering. teoksessa 8th International Conference on Electrical and Computer Engineering: Advancing Technology for a Better Tomorrow, ICECE 2014. The Institute of Electrical and Electronics Engineers, Inc. Sivut 266-269. <https://doi.org/10.1109/ICECE.2014.7026876>

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

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

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. 32(1):12-22. <https://doi.org/10.1080/21681015.2014.1000402>

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

Kertész C, Turunen M. 2015. Community driven artificial intelligence development for robotics. teoksessa 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. Sivut 3-10.

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

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

Su W, Cook BS, Cooper JR, Tentzeris MM. 2015. Low-cost flexible all-inkjet-printed microfluidic sensor. teoksessa MicroTAS 2015 - 19th International Conference on Miniaturized Systems for Chemistry and Life Sciences. Chemical and Biological Microsystems Society. Sivut 1448-1450.

Yang Z, Peltonen J, Kaski S. 2015. Majorization-minimization for manifold embedding. Journal of Machine Learning Research. 38:1088-1097.

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

Roinila T, Messo T, Suntio T, Vilkkio M. 2015. Pseudo-Random Sequences in DQ-Domain Analysis of Feedforward Control in Grid-Connected Inverters. teoksessa 17th IFAC Symposium on System Identification SYSID 2015 – Beijing, China, 19–21 October 2015. Sivut 1301-1306. (IFAC-PapersOnLine; 28). <https://doi.org/10.1016/j.ifacol.2015.12.311>

Seppälä J, Takanen A, Korju J, Häyrynen A. 2015. Security Analysis of Various Industrial Devices. teoksessa International Conference on Computer Security in a Nuclear World: Expert Discussion and Exchange, 1-5 June, 2015, Vienna, Austria . INTERNATIONAL ATOMIC ENERGY AGENCY.

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

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

Hyrynsalmi S, Seppänen M, Nokkala T, Suominen A, Järvi A. 2015. Wealthy, healthy and/or happy —what does 'ecosystem health' stand for?. teoksessa 6th International Conference on Software Business, ICSOB 2015; Braga; Portugal; 10 June 2015 through 12 June 2015. Springer Verlag. Sivut 272-287. (Lecture Notes in Business Information Processing). [https://doi.org/10.1007/978-3-319-19593-3\\_24](https://doi.org/10.1007/978-3-319-19593-3_24)

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

Holvitie J, Leppänen V, Hyrynsalmi S. 2014. Technical debt and the effect of agile software development practices on it - An industry practitioner survey. teoksessa Proceedings - 2014 6th IEEE International Workshop on Managing Technical Debt, MTD 2014. Institute of Electrical and Electronics Engineers Inc. Sivut 35-42. <https://doi.org/10.1109/MTD.2014.8>

Kim SC, Bhattacharyya SS. 2014. Implementation of a low-complexity low-latency arbitrary resampler on GPUs. teoksessa 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. <https://doi.org/10.1109/DCAS.2014.6965333>

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

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



- Dehmer M, Emmert-Streib F, Grabner M. 2014. A computational approach to construct a multivariate complete graph invariant. *Information Sciences*. 260:200-208. <https://doi.org/10.1016/j.ins.2013.11.008>
- 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*. 50(1):208-217. <https://doi.org/10.1109/TIA.2013.2266631>
- Iosifidis A, Tefas A, Pitas ICAG. 2014. Computational intelligence approaches for digital media analysis and description. *teoksessa 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*. Springer Verlag. Sivut 263-272. (Advances in Intelligent Systems and Computing). [https://doi.org/10.1007/978-3-319-07773-4\\_26](https://doi.org/10.1007/978-3-319-07773-4_26)
- Nummenmaa J, Nummenmaa T, Zhang Z. 2014. On the Use of LTSs to Analyze Software Product Line Products Composed of Features. *ADVANCES IN INTELLIGENT SYSTEMS AND COMPUTING*. 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 P, Geyer T, Oikonomou N, Kieferndorf F, Manias S. 2013. Model predictive control in power electronics: Strategies to reduce the computational complexity. *teoksessa Proceedings, IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society*. Sivut 5818-5823. <https://doi.org/10.1109/IECON.2013.6700088>
- 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*. 49(6):2583-2592. <https://doi.org/10.1109/TIA.2013.2263273>
- Boutellier J, Silvén O. 2013. Towards generic embedded multiprocessing for RVC-CAL dataflow programs. *Journal of Signal Processing Systems*. 73(2):137-142. <https://doi.org/10.1007/s11265-013-0737-3>
- Iosifidis A, Tefas A, Pitas I. 2013. Multi-view action recognition based on action volumes, fuzzy distances and cluster discriminant analysis. *Signal Processing*. 93(6):1445-1457. <https://doi.org/10.1016/j.sigpro.2012.08.015>
- Zaki GF, Plishker W, Bhattacharyya SS, Clancy C, Kuykendall J. 2013. Integration of dataflow-based heterogeneous multiprocessor scheduling techniques in GNU radio. *Journal of Signal Processing Systems*. 70(2):177-191. <https://doi.org/10.1007/s11265-012-0696-0>
- Boutellier J, Raulet M, Silvén O. 2013. Automatic hierarchical discovery of quasi-static schedules of RVC-CAL dataflow programs. *Journal of Signal Processing Systems*. 71(1):35-40. <https://doi.org/10.1007/s11265-012-0676-4>
- Peltonen J, Lin Z. 2013. Information retrieval perspective to meta-visualization. *Journal of Machine Learning Research*. 29:165-180.
- Wang LH, Shen CC, Wu S, Bhattacharyya SS. 2013. Parameterized scheduling of topological patterns in signal processing dataflow graphs. *Journal of Signal Processing Systems*. 71(3):275-286. <https://doi.org/10.1007/s11265-012-0719-x>
- Karamanakos P, Pavlou K, Manias S. 2012. A model predictive control strategy for the cascaded H-bridge multilevel rectifier based on enumeration. *teoksessa Proceedings, IECON 2012 - 38th Annual Conference on IEEE Industrial Electronics Society*. Sivut 5024-5029. <https://doi.org/10.1109/IECON.2012.6389566>
- Karamanakos P, Geyer T, Manias S. 2012. Direct model predictive current control of dc-dc boost converters. *teoksessa 15th International Power Electronics and Motion Control Conference and Exposition, EPE-PEMC 2012 ECCE Europe*. <https://doi.org/10.1109/EPEPEMC.2012.6397294>

Karamanakos P, Geyer T, Manias S. 2012. Direct voltage control of dc-dc boost converters using model predictive control based on enumeration. teoksessa 15th International Power Electronics and Motion Control Conference and Exposition, EPE-PEMC 2012 ECCE Europe. <https://doi.org/10.1109/EPEPEMC.2012.6397293>

Karvountzis-Kontakiotis AT, Ntziachristos L. 2012. A detailed chemical mechanism to predict NO Cycle-to-cycle Variation in homogeneous engine combustion. teoksessa 2012 IFAC Workshop on Engine and Powertrain Control, Simulation and Modeling, E-COSM 2012. Sivut 408-415. <https://doi.org/10.3182/20121023-3-FR-4025.00046>

Andreev S, Pustovalov E, Sayenko A, Turlikov A. 2012. Analysis of second UE DRX cycle for enhanced CELL FACH 3GPP UTRAN. teoksessa 4th International Congress on Ultra Modern Telecommunications and Control Systems 2012, ICUMT 2012. Sivut 7-11. <https://doi.org/10.1109/ICUMT.2012.6459772>

Lu W, Zhang Z, Nummenmaa J. 2012. Characterizing trustworthy digital rights exporting. teoksessa Perspectives in Business Informatics Research - 11th International Conference, BIR 2012, Proceedings. Springer Verlag. Sivut 85-95. (Lecture Notes in Business Information Processing). [https://doi.org/10.1007/978-3-642-33281-4\\_7](https://doi.org/10.1007/978-3-642-33281-4_7)

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

Kee H, Shen CC, Bhattacharyya SS, Wong I, Rao Y, Kornerup J. 2012. Mapping parameterized cyclo-static dataflow graphs onto configurable hardware. *Journal of Signal Processing Systems*. 66(3):285-301. <https://doi.org/10.1007/s11265-011-0599-5>

Hyrnsalmi S, Suominen A, Mäkilä T, Järvi A, Knuutila T. 2012. Revenue models of application developers in android market ecosystem. teoksessa Software Business - Third International Conference, ICSOB 2012, Proceedings. Springer Verlag. Sivut 209-222. (Lecture Notes in Business Information Processing). [https://doi.org/10.1007/978-3-642-30746-1\\_17](https://doi.org/10.1007/978-3-642-30746-1_17)

Niinimäki M, Niemi T, Martin S, Nummenmaa J, Thanisch P. 2012. Timely report production from WWW data sources. teoksessa Workshops on Business Informatics Research, BIR 2011 International Workshops and Doctoral Consortium, Revised Selected Papers. Springer Verlag. Sivut 184-195. (Lecture Notes in Business Information Processing). <https://doi.org/10.1007/978-3-642-29231-6-15>

Smith C, Crook N, Dobnik S, Charlton D, Boye J, Pulman S, Santos de la Camara R, Turunen M, Benyon D, Bradley J, Gambäck B, Hansen P, Mival O, Webb N, Cavazza M. 2011. Interaction strategies for an affective conversational agent. *Presence: Teleoperators and Virtual Environments*. 20(5):395-411. [https://doi.org/10.1162/PRES\\_a\\_00063](https://doi.org/10.1162/PRES_a_00063)

Karamanakos P, Papafotiou G, Manias SN. 2011. Model predictive control of the interleaved dc-dc boost converter. teoksessa 15th International Conference on System Theory, Control and Computing, ICSTCC 2011.

Bhattacharyya SS, Eker J, Janneck JW, Lucarz C, Mattavelli M, Raulet M. 2011. Overview of the MPEG reconfigurable video coding framework. *Journal of Signal Processing Systems*. 63(2):251-263. <https://doi.org/10.1007/s11265-009-0399-3>

Boutellier J, Lucarz C, Lafond S, Gomez VM, Mattavelli M. 2011. Quasi-static scheduling of CAL actor networks for reconfigurable video coding. *Journal of Signal Processing Systems*. 63(2):191-202. <https://doi.org/10.1007/s11265-009-0389-5>

Gu R, Janneck JW, Raulet M, Bhattacharyya SS. 2011. Exploiting statically schedulable regions in dataflow programs. *Journal of Signal Processing Systems*. 63(1):129-142. <https://doi.org/10.1007/s11265-009-0445-1>

Aree P, Acha E. 2011. Power flow initialisation of dynamic studies with induction motor loads. *IET Generation Transmission and Distribution*. 5(4):417-424. <https://doi.org/10.1049/iet-gtd.2010.0442>

Peltonen J, Kaski S. 2011. Generative modeling for maximizing precision and recall in information visualization. *Journal of Machine Learning Research*. 15:579-587.

Lavazza L, Morasca S, Taibi D, Tosi D. 2011. OP2A: How to improve the quality of the web portal of open source software products. *teoksessa Web Information Systems and Technologies - 7th International Conference, WEBIST 2011, Revised Selected Papers*. Springer Verlag. Sivut 149-162. (Lecture Notes in Business Information Processing). <https://doi.org/10.1007/978-3-642-28082-5-11>

Sariola V, Liimatainen V, Tolonen T, Udd R, Zhou Q. 2011. Silicon capillary gripper with self-alignment capability. *teoksessa 2011 IEEE International Conference on Robotics and Automation, ICRA 2011*. Sivut 4098-4103. <https://doi.org/10.1109/ICRA.2011.5979980>

Sane N, Kee H, Seetharaman G, Bhattacharyya SS. 2011. Topological patterns for scalable representation and analysis of dataflow graphs. *Journal of Signal Processing Systems*. 65(2):229-244. <https://doi.org/10.1007/s11265-011-0610-1>

Thanisch P, Niemi T, Niinimäki M, Nummenmaa J. 2011. Using the entity-attribute-value model for olap cube construction. *teoksessa Perspectives in Business Informatics Research - 10th International Conference, BIR 2011, Proceedings*. Springer Verlag. Sivut 59-72. (Lecture Notes in Business Information Processing). [https://doi.org/10.1007/978-3-642-24511-4\\_5](https://doi.org/10.1007/978-3-642-24511-4_5)

Lavazza L, Morasca S, Taibi D, Tosi D. 2010. Applying SCRUM in an OSS development process: An empirical evaluation. *teoksessa Agile Processes in Software Engineering and Extreme Programming - 11th International Conference, XP 2010, Proceedings*. Springer Verlag. Sivut 147-159. (Lecture Notes in Business Information Processing). [https://doi.org/10.1007/978-3-642-13054-0\\_11](https://doi.org/10.1007/978-3-642-13054-0_11)

Fonteyn KA, Belahcen A, Rasilo P, Kouhia R, Arkkio A. 2010. Contribution of Maxwell stress in air on the deformations of induction machines. *teoksessa 2010 International Conference on Electrical Machines and Systems, ICEMS2010*. Sivut 1749-1753.

Oftadeh R, Aref MM, Taghirad HD. 2010. Explicit dynamics formulation of Stewart-Gough platform: A Newton-Euler approach. *teoksessa IEEE/RSJ 2010 International Conference on Intelligent Robots and Systems, IROS 2010 - Conference Proceedings*. Sivut 2772-2777. <https://doi.org/10.1109/IROS.2010.5653157>

Oftadeh R, Aref MM, Taghirad HD. 2010. Forward kinematic analysis of a planar cable driven redundant parallel manipulator using force sensors. *teoksessa IEEE/RSJ 2010 International Conference on Intelligent Robots and Systems, IROS 2010 - Conference Proceedings*. Sivut 2295-2300. <https://doi.org/10.1109/IROS.2010.5649471>

Vafaei A, Aref MM, Taghirad HD. 2010. Integrated controller for an over-constrained cable driven parallel manipulator: KNTU CDRPM. *teoksessa Proceedings - IEEE International Conference on Robotics and Automation*. Sivut 650-655. <https://doi.org/10.1109/ROBOT.2010.5509991>

Fonteyn KA, Belahcen A, Rasilo P, Kouhia R, Arkkio A. 2010. Simulated results and experimental verification of a novel magneto-mechanical coupled method. *teoksessa 2010 International Conference on Electrical Machines and Systems, ICEMS2010*. Sivut 1743-1748.

Loloei AZ, Mohammadi Aref M, Taghirad HD. 2009. Wrench feasible workspace analysis of cable-driven parallel manipulators using LMI approach. *teoksessa IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM*. Sivut 1034-1039. <https://doi.org/10.1109/AIM.2009.5229723>

Koivuluoma M, Barna L, Koivistoinen T, Kööbi T, Värrä A. 2008. Influences of digital band-pass filtering on the BCG waveform. *teoksessa BIOSIGNALS 2008 - Proceedings of the 1st International Conference on Bio-inspired Systems and Signal Processing*. Sivut 84-89.

Emmert-Streib F, Arabnia HR, Yang MQ. 2008. Applied Artificial Intelligence: Preface. Applied Artificial Intelligence. 22(7-8):617-618. <https://doi.org/10.1080/08839510802164051>

Bedoustani YB, Taghirad HD, Aref MM. 2008. Dynamics analysis of a redundant parallel manipulator driven by elastic cables. teoksessa 2008 10th International Conference on Control, Automation, Robotics and Vision, ICARCV 2008. Sivut 536-542. <https://doi.org/10.1109/ICARCV.2008.4795575>

Gholami P, Aref MM, Taghirad HD. 2008. On the control of the KNTU CDRPM: A cable driven redundant parallel manipulator. teoksessa 2008 IEEE/RSJ International Conference on Intelligent Robots and Systems, IROS. Sivut 2404-2409. <https://doi.org/10.1109/IROS.2008.4650740>

Alberucci A, Peccianti M, Assanto G, Dyadyuska A, Kaczmarek M. 2007. Nonlocal bi-color vector solitons in liquid crystals. teoksessa Conference on Lasers and Electro-Optics Europe - Technical Digest. <https://doi.org/10.1109/CLEOE-IQEC.2007.4386868>

Le Xuan L, Zhou C, Slablab A, Chauvat D, Sandeau N, Brasselet S, Roch JF, Tard C, Perruchas S, Gacoin T, Villeval P. 2007. Photostable single KTiOPO4 nanocrystals for second-harmonic generation microscopy. teoksessa 2007 IEEE/LEOS International Conference on Optical MEMS and Nanophotonics, OMENS. Sivut 39-40. <https://doi.org/10.1109/OMEMS.2007.4373829>

Zemskov E, Nurmi J. 2006. Performance enhancements for embedded software implementation of GNSS navigation algorithms. teoksessa Industrial Embedded Systems - IES'2006. <https://doi.org/10.1109/IES.2006.357487>

Wojdyła M, Bała W, Derkowska B, Łukasiak Z, Czaplicki R, Sofiani Z, Dabos-Seignon S, Sahraoui B. 2006. Photoluminescence and third harmonic generation in ZnPc thin films. Nonlinear Optics, Quantum Optics. 35(1-3):103-119.

Codemard C, Farrell C, Philippov V, Dupriez P, Sahu JK, Nilsson J. 2005. 1 mJ narrow-linewidth pulsed fiber MOPA source at 1535 nm. teoksessa Conference on Lasers and Electro-Optics Europe - Technical Digest. <https://doi.org/10.1109/CLEOE.2005.1568299>

Peccianti M, Alberucci A, Conti C, Assanto G, De Luca A, Coschignano G, Umeton C. 2005. Anisotropic spatial solitons and their routing in nematic liquid crystals. teoksessa Conference on Lasers and Electro-Optics Europe - Technical Digest. <https://doi.org/10.1109/CLEOE.2005.1568011>

Jeong Y, Soh DBS, Codemard CA, Dupriez P, Farrell C, Philippov V, Sahu JK, Richardson DJ, Nilsson J, Payne DN. 2005. State of the art of cw fibre lasers. teoksessa Conference on Lasers and Electro-Optics Europe - Technical Digest. <https://doi.org/10.1109/CLEOE.2005.1568490>

Suntio T, Gadoura I, Zenger K. 2002. Input filter interactions in current-mode controlled converters - A unified analysis approach. Julkaisun esittämispaikka: Proceedings of the 2002 28th Annual Conference of the IEEE Industrial Electronics Society, Sevilla, Espanja. <https://doi.org/10.1109/IECON.2002.1185440>

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

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

Gadoura I, Suntio T, Zenger K. 2002. Robust control design for paralleled dc/dc converters with current sharing. IFAC Proceedings Volumes (IFAC-PapersOnline). 15(1):323-328.

Suntio T, Rahkala M, Gadoura I, Zenger K. 2001. Dynamic effects of inductor current ripple in peak-current and average-current mode control. Julkaisun esittämisaikka: 27th Annual Conference of the IEEE Industrial Electronics Society IECON'2001, Denver, CO, Yhdysvallat. <https://doi.org/10.1109/IECON.2001.975929>

Lempinen J, Suntio T. 2001. Modeling and analysis of a self-oscillating peak-current controlled flyback converter. Julkaisun esittämisaikka: 27th Annual Conference of the IEEE Industrial Electronics Society IECON'2001, Denver, CO, Yhdysvallat. <https://doi.org/10.1109/IECON.2001.975896>

Mäkinen J, Piché R, Ellman A. 2000. Fluid Transmission Line Modeling Using a Variational Method. Journal of Dynamic Systems, Measurement and Control: Transactions of the ASME. 122(1):153-162.

Vallittu P, Suntio T, Ovaska SJ. 1998. Digital control of power supplies - opportunities and constraints. Julkaisun esittämisaikka: Proceedings of the 1998 24th Annual Conference of the IEEE Industrial Electronics Society, IECON. Part 4 (of 4), Aachen, Ger, . <https://doi.org/10.1109/IECON.1998.724305>

Oshman Y, Davidson P. 1996. Optimal observer trajectories for passive target localization using bearing-only measurements. teoksessa Guidance, Navigation, and Control Conference and Exhibit. American Institute of Aeronautics and Astronautics Inc. (AIAA). Sivut 1-11.