

Netzev, M, Angleraud, A & Pieters, R 2020, 'Soft robotic gripper with compliant cell stacks for industrial part handling', *IEEE Robotics and Automation Letters*, vol. 5, no. 4, pp. 6821-6828. <https://doi.org/10.1109/LRA.2020.3020546>

Parlin, K & Riihonen, T 2020, Analog Mitigation of Frequency-Modulated Interference for Improved GNSS Reception. in J Nurmi, E-S Lohan, J Torres-Sospedra, H Kuusniemi & A Ometov (eds), *2020 International Conference on Localization and GNSS, ICL-GNSS 2020 - Proceedings*. 2020 International Conference on Localization and GNSS, ICL-GNSS 2020 - Proceedings, IEEE, International Conference on Localization and GNSS, 2/06/20. <https://doi.org/10.1109/ICL-GNSS49876.2020.9115518>

Wang, W, Fath, T, Valkama, M & Lohan, ES 2020, Modeling and Mitigating 5G Wireless Downlink Interferences for Low-altitude Aerial vehicles. in J Nurmi, E-S Lohan, J Torres-Sospedra, H Kuusniemi & A Ometov (eds), *2020 International Conference on Localization and GNSS, ICL-GNSS 2020 - Proceedings*. 2020 International Conference on Localization and GNSS, ICL-GNSS 2020 - Proceedings, IEEE, International Conference on Localization and GNSS, 2/06/20. <https://doi.org/10.1109/ICL-GNSS49876.2020.9115534>

Karttunen, A, Valkama, M & Talvitie, J 2020, Positioning Based on Noise-Limited Censored Path Loss Data. in J Nurmi, E-S Lohan, J Torres-Sospedra, H Kuusniemi & A Ometov (eds), *2020 International Conference on Localization and GNSS, ICL-GNSS 2020 - Proceedings*. 2020 International Conference on Localization and GNSS, ICL-GNSS 2020 - Proceedings, IEEE, International Conference on Localization and GNSS, 2/06/20. <https://doi.org/10.1109/ICL-GNSS49876.2020.9115572>

Barneto, CB, Riihonen, T, Turunen, M, Koivisto, M, Talvitie, J & Valkama, M 2020, Radio-based Sensing and Indoor Mapping with Millimeter-Wave 5G NR Signals. in J Nurmi, E-S Lohan, J Torres-Sospedra, H Kuusniemi & A Ometov (eds), *2020 International Conference on Localization and GNSS, ICL-GNSS 2020 - Proceedings*. 2020 International Conference on Localization and GNSS, ICL-GNSS 2020 - Proceedings, IEEE, International Conference on Localization and GNSS, 2/06/20. <https://doi.org/10.1109/ICL-GNSS49876.2020.9115568>

Järvelä, M & Valkealahti, S 2020, 'Operation of a PV power plant during overpower events caused by the cloud enhancement phenomenon', *Energies*, vol. 13, no. 9, 2185. <https://doi.org/10.3390/en13092185>

Koponen, P, Ikäheimo, J, Koskela, J, Brester, C & Niska, H 2020, 'Assessing and comparing short term load forecasting performance', *Energies*, vol. 13, no. 8, 2054. <https://doi.org/10.3390/en13082054>

Agostini, T, Negri, VD, Minav, T & Pietola, M 2020, 'Effect of energy recovery on efficiency in electro-hydrostatic closed system for differential actuator', *Actuators*, vol. 9, no. 1, 12. <https://doi.org/10.3390/act9010012>

Luhtala, R, Alenius, H & Roinila, T 2020, 'Practical implementation of adaptive SRF-PLL for three-phase inverters based on sensitivity function and real-time grid-impedance measurements', *Energies*, vol. 13, no. 5, 1173. <https://doi.org/10.3390/en13051173>

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

Li, M, Alhussein, O, Sofotasios, PC, Muhaidat, S, Yoo, PD, Liang, J & Wang, A 2020, 'Sensor-Based Cooperative Multi-Antenna Spectrum Sensing with Imperfect Reporting Channels', *IEEE Transactions on Sustainable Computing*, vol. 5, no. 1, pp. 48-60. <https://doi.org/10.1109/TSUSC.2019.2896667>

Michalas, A & Kiss, T 2020, Charlie and the CryptoFactory: Towards Secure and Trusted Manufacturing Environments. in *20th IEEE Mediterranean Electrotechnical Conference, MELECON 2020: Proceedings*. IEEE Mediterranean Electrotechnical Conference, IEEE, pp. 141-146, IEEE MEDITERRANEAN ELECTROTECHNICAL CONFERENCE, 1/01/00. <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*, vol. 9, no. 2, 39. <https://doi.org/10.3390/ACT9020039>

Gapeyenko, M, Petrov, V, Moltchanov, D, Yeh, SP, Himayat, N & Andreev, S 2020, Comparing capacity gains of static and UAV-based millimeter-wave relays in clustered deployments. in *2020 IEEE International Conference on Communications Workshops, ICC Workshops 2020 - Proceedings*. IEEE/CIC international conference on communications in China - workshops, IEEE, IEEE International Conference on Communications Workshops, Dublin, Ireland, 7/06/20. <https://doi.org/10.1109/ICCWorkshops49005.2020.9145216>

Nasarre, IP, Levanen, T & Valkama, M 2020, Constrained PSK: Energy-efficient modulation for Sub-THz systems. in *2020 IEEE International Conference on Communications Workshops, ICC Workshops 2020 - Proceedings*. IEEE/CIC international conference on communications in China - workshops, IEEE, IEEE International Conference on Communications Workshops, Dublin, Ireland, 7/06/20. <https://doi.org/10.1109/ICCWorkshops49005.2020.9145132>

Singh, AK, Ahonen, A, Ghabcheloo, R & Mueller, A 2020, Introducing Multi-Convexity in Path Constrained Trajectory Optimization for Mobile Manipulators. in *European Control Conference 2020, ECC 2020*. IEEE, pp. 1178-1185, European Control Conference, Saint Petersburg, Russian Federation, 12/05/20.

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*, vol. 5, no. 4, pp. 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*, vol. 5, no. 4, pp. 5510-5517. <https://doi.org/10.1109/LRA.2020.3006789>

Tafintsev, N, Moltchanov, D, Simsek, M, Yeh, SP, Andreev, S, Koucheryavy, Y & Valkama, M 2020, Reinforcement learning for improved UAV-based integrated access and backhaul operation. in *2020 IEEE International Conference on Communications Workshops, ICC Workshops 2020 - Proceedings*. IEEE/CIC international conference on communications in China - workshops, IEEE, IEEE International Conference on Communications Workshops, Dublin, Ireland, 7/06/20. <https://doi.org/10.1109/ICCWorkshops49005.2020.9145423>

Gusrialdi, A, Xu, Y, Qu, Z & Simaan, MA 2020, Resilient Cooperative Voltage Control for Distribution Network with High Penetration Distributed Energy Resources. in *European Control Conference 2020, ECC 2020*. IEEE, pp. 1533-1539, European Control Conference, Saint Petersburg, Russian Federation, 12/05/20.

Eslahi, N & Foi, A 2019, Joint Sparse Recovery of Misaligned Multimodal Images via Adaptive Local and Nonlocal Cross-Modal Regularization. in *2019 IEEE 8th International Workshop on Computational Advances in Multi-Sensor Adaptive Processing, CAMSAP 2019 - Proceedings*. IEEE, pp. 111-115, IEEE International Workshop on Computational Advances in Multi-Sensor Adaptive Processing, Le Gosier, Guadeloupe, 15/12/19. <https://doi.org/10.1109/CAMSAP45676.2019.9022478>

Hirvonen, J, Jokisalo, J, Heljo, J & Kosonen, R 2019, 'Towards the EU emission targets of 2050: Cost-effective emission reduction in Finnish detached houses', *Energies*, vol. 12, no. 22, 4395. <https://doi.org/10.3390/en12224395>

Mäenpää, P, Aref, MM & Mattila, J 2019, FORMI: A Fast Holonomic Path Planning and Obstacle Representation Method Based on Interval Analysis. in *Proceedings of the IEEE 2019 9th International Conference on Cybernetics and Intelligent Systems and Robotics, Automation and Mechatronics, CIS and RAM 2019*. IEEE International Conference on Cybernetics and Intelligent Systems, IEEE, pp. 398-403, IEEE International Conference on Cybernetics and Intelligent Systems and Robotics, Automation and Mechatronics, Bangkok, Thailand, 18/11/19. <https://doi.org/10.1109/CIS-RAM47153.2019.9095822>

Motlagh, HDK, Lotfi, F, Taghirad, HD & Germi, SB 2019, Position Estimation for Drones based on Visual SLAM and IMU in GPS-denied Environment. in *ICRoM 2019 - 7th International Conference on Robotics and Mechatronics*. IEEE, pp. 120-124, 7th International Conference on Robotics and Mechatronics, ICRoM 2019, Tehran, Iran, Islamic Republic of, 20/11/19. <https://doi.org/10.1109/ICRoM48714.2019.9071826>

Suntio, T & Kuperman, A 2019, 'Maximum perturbation step size in MPP-Tracking control for ensuring predicted PV power settling behavior', *Energies*, vol. 12, no. 20, 3984. <https://doi.org/10.3390/en12203984>

Yang, D, Qian, Y, Cai, D, Yan, S, Kämäräinen, J-K & Chen, K 2019, Visibility-Aware Part Coding for Vehicle Viewing Angle Estimation. in *9th International Conference on Information Science and Technology, ICIST 2019*. IEEE, pp. 65-70, IEEE International Conference on Information Science and Technology, Hulunbuir, China, 2/08/19. <https://doi.org/10.1109/ICIST.2019.8836907>

Zhidanov, K, Bezzateev, S, Afanasyeva, A, Sayfullin, M, Vanurin, S, Bardinova, Y & Ometov, A 2019, Blockchain Technology for Smartphones and Constrained IoT Devices: A Future Perspective and Implementation. in J Becker, O Pastor, E Kornysheva, VO Korepanov, OA Tsukanova, JB Albornoz, D Fedyanin, VN Burkov, DM Nazarov, D Novikov, R Uskenbaeva & AV Shchepkin (eds), *21st IEEE Conference on Business Informatics, CBI 2019.*, 8808043, IEEE, pp. 20-27, IEEE Conference on Business Informatics, Moscow, Russian Federation, 15/07/19. <https://doi.org/10.1109/CBI.2019.10092>

Phan, D & Rodrigues, SS 2019, 'Approximate Controllability for Navier–Stokes Equations in 3D Rectangles Under Lions Boundary Conditions', *Journal of Dynamical and Control Systems*, vol. 25, no. 3, pp. 351-376. <https://doi.org/10.1007/s10883-018-9412-0>

Piche, R 2019, Automatic numerical differentiation by maximum likelihood estimation of a linear Gaussian state space model. in *2019 18th European Control Conference, ECC 2019*. IEEE, pp. 1861-1865, European Control Conference, Naples, Italy, 25/06/19. <https://doi.org/10.23919/ECC.2019.8795960>

Pyrhönen, V-P & Vilkkö, MK 2019, Composite nonlinear feedback control of a JIB trolley of a tower crane behaviors. in *2019 18th European Control Conference, ECC 2019.*, 8796229, IEEE, pp. 1124-1129, European Control Conference, Naples, Italy, 25/06/19. <https://doi.org/10.23919/ECC.2019.8796229>

Koivikko, A & Sariola, V 2019, Fabrication of soft devices with buried fluid channels by using sacrificial 3D printed molds. in *2019 2nd IEEE International Conference on Soft Robotics (RoboSoft)*. IEEE, pp. 509-513, IEEE International Conference on Soft Robotics, RoboSoft, Seoul, Korea, Republic of, 14/04/19. <https://doi.org/10.1109/ROBOSOFT.2019.8722741>

Rossi, M, Liegmann, E, Karamanakos, P, Castelli-Dezza, F & Kennel, R 2019, Direct model predictive power control of a series-connected modular rectifier. in *PRECEDE 2019: 2019 IEEE International Symposium on Predictive Control of Electrical Drives and Power Electronics*. IEEE, pp. 1-6, IEEE International Symposium on Predictive Control of Electrical Drives and Power Electronics, Quanzhou, China, 31/05/19. <https://doi.org/10.1109/PRECEDE.2019.8753318>

Wendel, S, Karamanakos, P, Dietz, A & Kennel, R 2019, Operating point dependent variable switching point predictive current control for PMSM drives. in *PRECEDE 2019: 2019 IEEE International Symposium on Predictive Control of Electrical Drives and Power Electronics*. IEEE, pp. 1-6, IEEE International Symposium on Predictive Control of Electrical Drives and Power Electronics, Quanzhou, China, 31/05/19. <https://doi.org/10.1109/PRECEDE.2019.8753362>

De Biasi, M & Lauri, J 2019, 'On the complexity of restoring corrupted colorings', *Journal of Combinatorial Optimization*, vol. 37, no. 4, pp. 1150-1169. <https://doi.org/10.1007/s10878-018-0342-2>

Halme, J, Jantunen, E, Hastbacka, D, Hegedus, C, Varga, P, Bjorkbom, M, Mesia, H, More, R, Jaatinen, A, Barna, L, Tuominen, P, Pettinen, H, Elo, M & Larranaga, M 2019, Monitoring of production processes and the condition of the production equipment through the internet. in *2019 6th International Conference on Control, Decision and Information Technologies, CoDIT 2019*. IEEE, pp. 1295-1300, International Conference on Control, Decision and Information Technologies, Paris, France, 23/04/19. <https://doi.org/10.1109/CoDIT.2019.8820688>

Suntio, T, Messo, T, Berg, M, Alenius, H, Reinikka, T, Luhtala, R & Zenger, K 2019, 'Impedance-based interactions in grid-tied three-phase inverters in renewable energy applications', *Energies*, vol. 12, no. 3, 464. <https://doi.org/10.3390/en12030464>

Amer, E, Kuperman, A & Suntio, T 2019, 'Direct fixed-step maximum power point tracking algorithms with adaptive perturbation frequency', *Energies*, vol. 12, no. 3, 399. <https://doi.org/10.3390/en12030399>

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*, no. 5, pp. 51-63. <https://doi.org/10.31799/1684-8853-2019-5-51-63>

Gusrialdi, A, Xu, Y, Qu, Z & Simaan, MA 2019, A Real-Time Big Data Control-Theoretical Framework for Cyber-Physical-Human Systems. in *Computational Intelligence and Optimization Methods for Control Engineering*. Springer Optimization and Its Applications, vol. 150, Springer International Publishing, pp. 149-172. https://doi.org/10.1007/978-3-030-25446-9_7

Woldemariam, ET, Coatanéa, E, Wang, GG, Lemu, HG & Wu, D 2019, 'Customized dimensional analysis conceptual modelling framework for design optimization—a case study on the cross-flow micro turbine model', *Engineering Optimization*, vol. 51, no. 7, pp. 1168-1184. <https://doi.org/10.1080/0305215X.2018.1519556>

Cao, X, Aref, MM & Mattila, J 2019, Design and Control of a Flexible Joint as a Hydraulic Series Elastic Actuator for Manipulation Applications. in *Proceedings of the IEEE 2019 9th International Conference on Cybernetics and Intelligent Systems and Robotics, Automation and Mechatronics, CIS and RAM 2019.*, 9095773, IEEE International Conference on Cybernetics and Intelligent Systems, IEEE, pp. 553-558, IEEE International Conference on Cybernetics and Intelligent Systems, and Robotics, Automation and Mechatronics, 1/01/00. <https://doi.org/10.1109/CIS-RAM47153.2019.9095773>

Luhtala, R, Messo, T, Roinila, T, Alenius, H, Jong, ED, Burstein, A & Fabian, A 2019, 'Identification of three-phase grid impedance in the presence of parallel converters', *Energies*, vol. 12, no. 14, 2674. <https://doi.org/10.3390/en12142674>

Liikanen, H, Aref, MM & Mattila, J 2019, M-Estimator Application in Real-Time Sensor Fusion for Smooth Position Feedback of Heavy-Duty Field Robots. in *Proceedings of the IEEE 2019 9th International Conference on Cybernetics and Intelligent Systems (CIS) and IEEE Conference on Robotics, Automation and Mechatronics (RAM)*. IEEE International Conference on Cybernetics and Intelligent Systems, IEEE, pp. 368-373, IEEE International Conference on Cybernetics and Intelligent Systems, and Robotics, Automation and Mechatronics, 1/01/00. <https://doi.org/10.1109/CIS-RAM47153.2019.9095821>

Suntio, T & Messo, T 2019, 'Power electronics in renewable energy systems', *Energies*, vol. 12, no. 10, en12101852. <https://doi.org/10.3390/en12101852>

Ivanov, P, Raitoharju, M & Piché, R 2018, Kalman-Type Filters and Smoothers for Pedestrian Dead Reckoning. in *IPIN 2018 - 9th International Conference on Indoor Positioning and Indoor Navigation*. IEEE, International Conference on Indoor Positioning and Indoor Navigation, Nantes, France, 24/09/18. <https://doi.org/10.1109/IPIN.2018.8533753>

Ortombina, L, Liegmann, E, Karamanakos, P, Tinazzi, F, Zigliotto, M & Kennel, R 2018, Constrained Long-Horizon Direct Model Predictive Control for Synchronous Reluctance Motor Drives. in *2018 IEEE 19th Workshop on Control and Modeling for Power Electronics, COMPEL 2018.*, 8460173, IEEE, IEEE Workshop on Control and Modeling for Power Electronics, Padova, Italy, 25/06/18. <https://doi.org/10.1109/COMPEL.2018.8460173>

Mäkinen, P, Mononen, T & Mattila, J 2018, Inertial Sensor-Based State Estimation of Flexible Links Subject to Bending and Torsion. in *2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018.*, 8449188, IEEE, IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, Oulu, Finland, 2/07/18. <https://doi.org/10.1109/MESA.2018.8449188>

Teke, B, Lanz, M, Kämäräinen, J-K & Hietanen, A 2018, Real-time and Robust Collaborative Robot Motion Control with Microsoft Kinect® v2. in *2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018.*, 8449156, IEEE, IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, Oulu, Finland, 2/07/18. <https://doi.org/10.1109/MESA.2018.8449156>

Mahmoodpour, M, Lobov, A, Lanz, M, Mäkelä, P & Rundas, N 2018, Role-based visualization of industrial IoT-based systems. in *2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, MESA 2018.*, 8449183, IEEE, IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, Oulu, Finland, 2/07/18. <https://doi.org/10.1109/MESA.2018.8449183>

Ghabcheloo, R & Siddiqui, S 2018, Complete Odometry Estimation of a Vehicle Using Single Automotive Radar and a Gyroscope. in *MED 2018 - 26th Mediterranean Conference on Control and Automation.*, 8442474, IEEE, pp. 855-860, Mediterranean Conference on Control and Automation, Zadar, Croatia, 19/06/18. <https://doi.org/10.1109/MED.2018.8442474>

Pihlajasalo, J, Leppäkoski, H, Ali-Löytty, S & Piché, R 2018, Improvement of GPS and BeiDou extended orbit predictions with CNNs. in *26th European Navigation Conference, ENC 2018: Gothenburg, Sweden, 14-17 May, 2018.*, 8433244, IEEE, pp. 54-59, European Navigation Conference, 20/09/18. <https://doi.org/10.1109/EURONAV.2018.8433244>

Koponen, P, Hanninen, S, Mutanen, A, Koskela, J, Rautiainen, A, Järventausta, P, Niska, H, Kolehmainen, M & Koivisto, H 2018, Improved modelling of electric loads for enabling demand response by applying physical and data-driven models: Project Response. in *2018 IEEE International Energy Conference, ENERGYCON 2018.* IEEE, pp. 1-6, IEEE International Energy Conference, Limassol, Cyprus, 3/06/18. <https://doi.org/10.1109/ENERGYCON.2018.8398794>

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

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

Kotilainen, K, Mäkinen, SJ & Valta, J 2018, Sustainable electric vehicle - Prosumer framework and policy mix. in *2017 IEEE Innovative Smart Grid Technologies - Asia: Smart Grid for Smart Community, ISGT-Asia 2017.* IEEE, pp. 1-6, IEEE PES Innovative Smart Grid Technologies Asian Conference, United States, 1/01/00. <https://doi.org/10.1109/ISGT-Asia.2017.8378406>

Bolla, P & Lohan, E-S 2018, Dual-frequency signal processing architecture for robust and precise positioning applications. in *2018 IEEE/ION Position, Location and Navigation Symposium, PLANS 2018.* IEEE, pp. 72-80, IEEE/ION POSITION LOCATION AND NAVIGATION SYMPOSIUM, 1/01/00. <https://doi.org/10.1109/PLANS.2018.8373367>

Phan, D & Rodrigues, SS 2018, 'Stabilization to trajectories for parabolic equations', *Mathematics of Control, Signals, and Systems*, vol. 30, no. 2, 11. <https://doi.org/10.1007/s00498-018-0218-0>

Almaeeni, S, Sofotasios, PC, Muhaidat, S & Karagiannidis, GK 2018, Analysis of differentially modulated cooperative communications over asymmetric fading channels. in *Proceedings - 2018 International Conference on Advanced Communication Technologies and Networking, CommNet 2018.* IEEE, pp. 1-8, International Conference on Advanced Communication Technologies and Networking, 1/01/00. <https://doi.org/10.1109/COMMNET.2018.8360284>

Sofotasios, PC, Yoo, SK, Bhargav, N, Muhaidat, S, Cotton, SL, Matthaiou, M, Valkama, M & Karagiannidis, GK 2018, Capacity analysis under generalized composite fading conditions. in *Proceedings - 2018 International Conference on Advanced Communication Technologies and Networking, CommNet 2018.* IEEE, pp. 1-10, International Conference on Advanced Communication Technologies and Networking, 1/01/00. <https://doi.org/10.1109/COMMNET.2018.8360282>

Mohamed, S, Hamila, R, Al-Dhahir, N, Gouisse, A, Benbrahim, L & Gabbouj, M 2018, Maximum achievable throughput and interference mitigation for SUN in coexistence with WLAN. in *Proceedings - 2018 International Conference on Advanced Communication Technologies and Networking, CommNet 2018.* IEEE, pp. 1-6, International Conference on Advanced Communication Technologies and Networking, 1/01/00. <https://doi.org/10.1109/COMMNET.2018.8360252>

Selim, B, Muhaidat, S, Sofotasios, PC, Sharif, BS, Stouraitis, T, Karagiannidis, GK & Al-Dhahir, N 2018, Outage probability of multi-carrier NOMA systems under joint I/Q imbalance. in *Proceedings - 2018 International Conference on Advanced Communication Technologies and Networking, CommNet 2018.* IEEE, pp. 1-7, International Conference on Advanced Communication Technologies and Networking, 1/01/00. <https://doi.org/10.1109/COMMNET.2018.8360283>

Lee, Y, Madayambath, SC, Liu, Y, Lin, DT, Chen, R & Bhattacharyya, SS 2018, Online learning in neural decoding using incremental linear discriminant analysis. in *2017 IEEE International Conference on Cyborg and Bionic Systems, CBS 2017*. IEEE, pp. 173-177, IEEE International Conference on Cyborg and Bionic Systems, Beijing, China, 17/10/17. <https://doi.org/10.1109/CBS.2017.8266092>

Suntio, T 2018, 'Dynamic modeling and analysis of PCM-controlled DCM-operating buck converters-A reexamination', *Energies*, vol. 11, no. 5, en11051267, pp. 1-18. <https://doi.org/10.3390/en11051267>

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*, vol. 57, no. 2, pp. 579-593. <https://doi.org/10.1007/s00158-017-1770-9>

Palagi, S, Mark, AG, Melde, K, Qiu, T, Zeng, H, Parmeggiani, C, Martella, D, Wiersma, DS & Fischer, P 2017, Locomotion of light-driven soft microrobots through a hydrogel via local melting. in *International Conference on Manipulation, Automation and Robotics at Small Scales, MARSS 2017 - Proceedings*. IEEE, International Conference on Manipulation, Automation and Robotics at Small Scales (MARSS), 1/01/00. <https://doi.org/10.1109/MARSS.2017.8001916>

Kreutzer, J, Viehrig, M, Maki, A-J, Kallio, P, Rahikainen, R & Hytönen, V 2017, Pneumatically actuated elastomeric device for simultaneous mechanobiological studies & live-cell fluorescent microscopy. in *International Conference on Manipulation, Automation and Robotics at Small Scales, MARSS 2017 - Proceedings*. IEEE, International Conference on Manipulation, Automation and Robotics at Small Scales (MARSS), 1/01/00. <https://doi.org/10.1109/MARSS.2017.8001929>

Ometov, A, Solomitskii, D, Olsson, T, Bezzateev, S, Shchesniak, A, Andreev, S, Harju, J & Koucheryavy, Y 2017, 'Secure and connected wearable intelligence for content delivery at a mass event: A case study', *Journal of Sensor and Actuator Networks*, vol. 6, no. 2, 5. <https://doi.org/10.3390/jsan6020005>

Kivimäki, J, Sitbon, M, Kolesnik, S, Kuperman, A & Suntio, T 2017, Determining maximum MPP-tracking sampling frequency for input-voltage-controlled PV-interfacing converter. in *8th Annual IEEE Energy Conversion Congress & Exposition (ECCE 2016)*. IEEE, IEEE Energy Conversion Congress and Exposition, 1/01/00. <https://doi.org/10.1109/ECCE.2016.7855036>

Laakkonen, AAP 2017, 'A reformulation of the internal model principle using factorization approach' Paper presented at CDPS 2017, Workshop on Control of Distributed Parameter Systems, Bordeaux, France, 3/07/17 - 7/07/17, .

Paunonen, L & Seifert, D 2017, 'Asymptotics for infinite systems of differential equations', *SIAM Journal on Control and Optimization*, vol. 55, no. 2, pp. 1153-1178. <https://doi.org/10.1137/15M1051993>

Paunonen, L 2017, 'Robust controllers for regular linear systems with infinite-dimensional exosystems', *SIAM Journal on Control and Optimization*, vol. 55, no. 3, pp. 1567-1597. <https://doi.org/10.1137/16M107181X>

Paunonen, L & Seifert, D 2016, Asymptotic Behaviour of Platoon Systems. in *Proceedings of the 22nd International Symposium on Mathematical Theory of Networks and Systems*. University of Minnesota, pp. 830-836, INTERNATIONAL SYMPOSIUM ON MATHEMATICAL THEORY OF NETWORKS AND SYSTEMS, 1/01/00.

Humaloja, J-P, Paunonen, L & Pohjolainen, S 2016, Robust Regulation for First-Order Port-Hamiltonian Systems. in *Proceedings of the 15th European Control Conference, Aalborg, Denmark, June 29th - July 1st, 2016*. IEEE, European Control Conference, 1/01/00. <https://doi.org/10.1109/ECC.2016.7810618>

Humaloja, J-P, Paunonen, L & Pohjolainen, S 2016, Robust Regulation for Port-Hamiltonian Systems of Even Order. in *Proceedings of the 22nd International Symposium on Mathematical Theory of Networks and Systems, Minneapolis, MN, USA, July 12-15, 2016*. University of Minnesota, pp. 152-156, INTERNATIONAL SYMPOSIUM ON MATHEMATICAL THEORY OF NETWORKS AND SYSTEMS, 1/01/00.

Karamanakos, P, Geyer, T & Kennel, R 2015, Computationally efficient optimization algorithms for model predictive control of linear systems with integer inputs. in *2015 54th IEEE Conference on Decision and Control, CDC 2015*. pp. 3663-3668, 54th IEEE Conference on Decision and Control, CDC 2015, Osaka, Japan, 15/12/15. <https://doi.org/10.1109/CDC.2015.7402787>

Laakkonen, P & Pohjolainen, S 2015, 'Frequency domain robust regulation of signals generated by an infinite-dimensional exosystem', *SIAM Journal on Control and Optimization*, vol. 53, no. 1, pp. 139-166. <https://doi.org/10.1137/130950057>

Paunonen, L 2015, On Robust Output Regulation for Continuous-Time Periodic Systems. in *2015 Proceedings of the SIAM Conference on Control and its Applications*. SIAM, Society for Industrial and Applied Mathematics, SIAM Conference on Control and Its Applications, Paris, France, 1/01/00. <https://doi.org/10.1137/1.9781611974072.7>

Laakkonen, P & Quadrat, A 2015, Robust Regulation of SISO Systems: The Fractional Ideal Approach. in *Proceedings of the SIAM Conference on Control and Its Applications (CT15)*. SIAM, Society for Industrial and Applied Mathematics, pp. 311-318, SIAM Conference on Control and Its Applications, Paris, France, 1/01/00. <https://doi.org/10.1137/1.9781611974072.43>

Seppälä, J & Salmenperä, M 2015, Towards dependable automation. in *Cyber Security: Analytics, Technology and Automation: Part IV*. Intelligent Systems, Control and Automation: Science and Engineering, vol. 78, Springer International Publishing, pp. 229-249. https://doi.org/10.1007/978-3-319-18302-2_15

Min, J, Xiang, Z, Zhiming, Z & Tentzeris, MM 2012, 'A hybrid optimization grey model based on segmented gra and multi-strategy contest for short-term power load forecasting', *JOURNAL OF GREY SYSTEM*, vol. 24, no. 1, pp. 15-28.

Suntio, T, Waltari, P & Gadoura, I 1999, Condition monitoring of storage batteries in telecom power systems-crisp vs. soft computing methodology. in J Martikainen (ed.), *SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications*. SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications, IEEE, pp. 97-102, 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications, SMCia 1999, Kuusamo, Finland, 16/06/99. <https://doi.org/10.1109/SMCIA.1999.782715>

Gadoura, I, Suntio, T, Zenger, K & Vallittu, P 1999, Soft computing-based controller design for a telecom rectifier. in J Martikainen (ed.), *SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications*., 782712, SMCia 1999 - Proceedings of the 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications, Institute of Electrical and Electronics Engineers Inc., pp. 80-85, 1999 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications, SMCia 1999, Kuusamo, Finland, 16/06/99. <https://doi.org/10.1109/SMCIA.1999.782712>