

Asp A, Hentilä T, Valkama M, Pikkuvirta J, Hujanen A, Huhtinen I. 2019. Impact of Different Concrete Types on Radio Propagation: Fundamentals and Practical RF Measurements. Rodrigues JJPC, Solic P, Perkovic T, Vukojevic K, Rodrigues JJPC, Patrono L, Nizetic S, editors. In 2019 4th International Conference on Smart and Sustainable Technologies, SpliTech 2019. IEEE. <https://doi.org/10.23919/SpliTech.2019.8783022>

Jaakkola H, Henno J, Mäkelä J, Thalheim B. 2019. Artificial intelligence yesterday, today and tomorrow. Skala K, Car Z, Pale P, Huljenic D, Janjic M, Koracic M, Sruc V, Ribaric S, Grbac TG, Butkovic Z, Cicin-Sain M, Skvorc D, Mauher M, Babic S, Gros S, Vrdoljak B, Tijan E, editors. In 2019 42nd International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2019 - Proceedings. IEEE. pp. 860-867. <https://doi.org/10.23919/MIPRO.2019.8756913>

Linna P, Narra N, Grönman J. 2019. Intelligent data service for farmers. Skala K, Car Z, Pale P, Huljenic D, Janjic M, Koracic M, Sruc V, Ribaric S, Grbac TG, Butkovic Z, Cicin-Sain M, Skvorc D, Mauher M, Babic S, Gros S, Vrdoljak B, Tijan E, editors. In 2019 42nd International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2019 - Proceedings. IEEE. pp. 1072-1075. <https://doi.org/10.23919/MIPRO.2019.8756688>

Henno J, Jaakkola H, Mäkelä J. 2019. Teaching for virtual work. Skala K, Car Z, Pale P, Huljenic D, Janjic M, Koracic M, Sruc V, Ribaric S, Grbac TG, Butkovic Z, Cicin-Sain M, Skvorc D, Mauher M, Babic S, Gros S, Vrdoljak B, Tijan E, editors. In 2019 42nd International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2019 - Proceedings. IEEE. pp. 818-826. <https://doi.org/10.23919/MIPRO.2019.8756778>

Laasasenaho K, Lensu A, Lauhanen R, Rintala J. 2019. GIS-data related route optimization, hierarchical clustering, location optimization, and kernel density methods are useful for promoting distributed bioenergy plant planning in rural areas. Sustainable Energy Technologies and Assessments. 32:47-57. <https://doi.org/10.1016/j.seta.2019.01.006>

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. 12(3). <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. 12(3). <https://doi.org/10.3390/en12030399>

Gonçalves LPL, Wang J, Vinati S, Barborini E, Wei XK, Heggen M, Franco M, Sousa JPS, Petrovykh DY, Soares OSGP, Kovnir K, Akola J, Kolen'ko YV. 2019. Combined experimental and theoretical study of acetylene semi-hydrogenation over Pd/Al₂O₃. International Journal of Hydrogen Energy. <https://doi.org/10.1016/j.ijhydene.2019.04.086>

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. 12(14). <https://doi.org/10.3390/en12142674>

Suntio T, Messo T. 2019. Power electronics in renewable energy systems. Energies. 12(10). <https://doi.org/10.3390/en12101852>

Far MF, Mustafa B, Martin F, Rasilo P, Belahcen A. 2018. Flux-Weakening Control for IPMSM Employing Model Order Reduction. In 2018 23rd International Conference on Electrical Machines, ICEM 2018. IEEE. pp. 1510-1516. <https://doi.org/10.1109/ICELMACH.2018.8506693>

Far MF, Mukherjee V, Martin F, Rasilo P, Belahcen A. 2018. Model Order Reduction of Bearingless Reluctance Motor Including Eccentricity. In 2018 23rd International Conference on Electrical Machines, ICEM 2018. IEEE. pp. 2243-2249. <https://doi.org/10.1109/ICELMACH.2018.8506758>

Heijne AT, Liu D, Sulonen M, Sleutels T, Fabregat-Santiago F. 2018. Quantification of bio-anode capacitance in bioelectrochemical systems using Electrochemical Impedance Spectroscopy. Journal of Power Sources. 400:533-538. <https://doi.org/10.1016/j.jpowsour.2018.08.003>

Repo S, Pylvänäinen J, Kauppinen M, Repo S, Jarventausta P. 2018. Automatic Meter Infrastructure (AMI) as a part of flexibility market. In 15th International Conference on the European Energy Market, EEM 2018. IEEE COMPUTER SOCIETY PRESS. (International Conference on the European Energy Market). <https://doi.org/10.1109/EEM.2018.8469765>

Valta J, Makinen S, Kotilainen K, Rautiainen A, Järventausta P. 2018. Comparison of innovation policies for electric vehicle business ecosystems. In 15th International Conference on the European Energy Market, EEM 2018. IEEE COMPUTER SOCIETY PRESS. (International Conference on the European Energy Market). <https://doi.org/10.1109/EEM.2018.8469785>

Haakana J, Haapaniemi J, Lassila J, Partanen J, Niska H, Rautiainen A. 2018. Effects of electric vehicles and heat pumps on long-term electricity consumption scenarios for rural areas in the nordic environment. In 15th International Conference on the European Energy Market, EEM 2018. IEEE COMPUTER SOCIETY PRESS. (International Conference on the European Energy Market). <https://doi.org/10.1109/EEM.2018.8469937>

Lummi K, Rautiainen A, Peltonen L, Repo S, Järventausta P, Rintala J. 2018. Microgrids as part of electrical energy system - Pricing scheme for network tariff of DSO. In 15th International Conference on the European Energy Market, EEM 2018. IEEE COMPUTER SOCIETY PRESS. (International Conference on the European Energy Market). <https://doi.org/10.1109/EEM.2018.8469965>

Mashlakov A, Tikka V, Honkapuro S, Partanen J, Repo S, Järventausta P, Kulmala A, Abdurafikov R, Keski-Koukkari A, Aro M. 2018. Use case description of real-time control of microgrid flexibility. In 15th International Conference on the European Energy Market, EEM 2018. IEEE COMPUTER SOCIETY PRESS. (International Conference on the European Energy Market). <https://doi.org/10.1109/EEM.2018.8469218>

Lummi K, Rautiainen A, Jarventausta P, Heine P, Lehtinen J, Hyvarinen M, Salo J. 2018. Alternative Power-Based Pricing Schemes for Distribution Network Tariff of Small Customers. In International Conference on Innovative Smart Grid Technologies, ISGT Asia 2018. Institute of Electrical and Electronics Engineers Inc. pp. 581-586. <https://doi.org/10.1109/ISGT-Asia.2018.8467793>

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. IEEE. <https://doi.org/10.1109/COMPEL.2018.8460173>

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>

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>

Zhao J, Prioli M, Stenvall A, Salmi T, Gao Y, Caiffi B, Lorin C, Marinozzi V, Farinon S, Sorbi M. 2018. Mechanical stress analysis during a quench in CLIQ protected 16 T dipole magnets designed for the future circular collider. *Physica C: Superconductivity and its Applications*. 550:27-34. <https://doi.org/10.1016/j.physc.2018.04.003>

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. <https://doi.org/10.1109/ENERGYCON.2018.8398794>

- Sitbon M, Lineykin S, Schacham S, Suntio T, Kuperman A. 2018. Online dynamic conductance estimation based maximum power point tracking of photovoltaic generators. *Energy Conversion and Management*. 166:687-696. <https://doi.org/10.1016/j.enconman.2018.04.053>
- 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. <https://doi.org/10.1109/ISGT-Asia.2017.8378406>
- Dessi P, Porca E, Frunzo L, Lakaniemi A-M, Collins G, Esposito G, Lens PNL. 2018. Inoculum pretreatment differentially affects the active microbial community performing mesophilic and thermophilic dark fermentation of xylose. *International Journal of Hydrogen Energy*. 43(19):9233-9245. <https://doi.org/10.1016/j.ijhydene.2018.03.117>
- Supponen A, Repo S, Kulmala A. 2018. Coordinated voltage control as a replacement for passive network reinforcements-A case study. In 2017 IEEE International Conference on Smart Grid Communications, SmartGridComm 2017. IEEE. pp. 326-331. <https://doi.org/10.1109/SmartGridComm.2017.8340714>
- Castro LM, Acha E. 2018. A new method to assess the contribution of VSC-HVDC connected wind farms to the primary frequency control of power networks. *Electric Power Systems Research*. 154:48-58. <https://doi.org/10.1016/j.epsr.2017.08.011>
- Attar M, Homaei O, Falaghi H, Siano P. 2018. A novel strategy for optimal placement of locally controlled voltage regulators in traditional distribution systems. *International Journal of Electrical Power and Energy Systems*. 96:11-22. <https://doi.org/10.1016/j.ijepes.2017.09.028>
- Suntio T. 2018. Dynamic modeling and analysis of PCM-controlled DCM-operating buck converters-A reexamination. *Energies*. 11(5):1-18. <https://doi.org/10.3390/en11051267>
- Dessi P, Porca E, Waters NR, Lakaniemi A-M, Collins G, Lens PNL. 2018. Thermophilic versus mesophilic dark fermentation in xylose-fed fluidised bed reactors: Biohydrogen production and active microbial community. *International Journal of Hydrogen Energy*. 43(11):5473-5485. <https://doi.org/10.1016/j.ijhydene.2018.01.158>
- Haavisto JM, Kokko ME, Lay C-H, Puhakka JA. 2017. Effect of hydraulic retention time on continuous electricity production from xylose in up-flow microbial fuel cell. *International Journal of Hydrogen Energy*. 42:27494-27502. <https://doi.org/10.1016/j.ijhydene.2017.05.068>
- 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>
- Pirjola L, Rönkkö T, Saukko E, Parviainen H, Malinen A, Alanen J, Saveljeff H. 2017. Exhaust emissions of non-road mobile machine: Real-world and laboratory studies with diesel and HVO fuels. *Fuel*. 202:154-164. <https://doi.org/10.1016/j.fuel.2017.04.029>
- Suominen M, Lehtimäki S, Yewale R, Damlin P, Tuukkanen S, Kvarnström C. 2017. Electropolymerized polyazulene as active material in flexible supercapacitors. *Journal of Power Sources*. 356:181-190. <https://doi.org/10.1016/j.jpowsour.2017.04.082>
- Lummi K, Rautiainen A, Järventausta P, Huhta K, Talus K, Kojo M. 2017. Aspects of advancement of distribution tariffs for small consumers in Finland. In 2017 14th International Conference on the European Energy Market, EEM 2017. IEEE. <https://doi.org/10.1109/EEM.2017.7981937>
- Rautiainen A, Koskela J, Vilppo O, Supponen A, Kojo M, Toivanen P, Rinne E, Järventausta P. 2017. Attractiveness of demand response in the Nordic electricity market - Present state and future prospects. In 2017 14th International Conference on the European Energy Market, EEM 2017. IEEE. <https://doi.org/10.1109/EEM.2017.7981925>

Honkapuro S, Haapaniemi J, Haakana J, Lassila J, Belonogova N, Partanen J, Lummi K, Rautiainen A, Supponen A, Repo S, Järventausta P. 2017. Development options for distribution tariff structures in Finland. In 2017 14th International Conference on the European Energy Market, EEM 2017. IEEE. <https://doi.org/10.1109/EEM.2017.7981930>

Kotilainen K, Valta J, Mäkinen SJ, Järventausta P. 2017. Understanding consumers' renewable energy behaviour beyond 'homo economicus': An exploratory survey in four European countries. In 2017 14th International Conference on the European Energy Market, EEM 2017. IEEE. <https://doi.org/10.1109/EEM.2017.7981932>

Kramb J, Gómez-Barea A, DeMartini N, Romar H, Doddapaneni TRKC, Konttinen J. 2017. The effects of calcium and potassium on CO₂ gasification of birch wood in a fluidized bed. *Fuel*. 196:398-407. <https://doi.org/10.1016/j.fuel.2017.01.101>

Repo S, Ponci F, Della Giustina D, Alvarez A, Corchero Garcia C, Al-Jassim Z, Amaris H, Kulmala A. 2017. The IDE4L Project: Defining, Designing, and Demonstrating the Ideal Grid for All. *IEEE POWER AND ENERGY MAGAZINE*. 15(3):41-51. <https://doi.org/10.1109/MPE.2017.2662329>

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. <https://doi.org/10.1109/ECCE.2016.7855036>

Matikainen V, Rubio S, Ojala N, Koivuluoto H, Schubert J, Houdková S, Vuoristo P. 2017. Cavitation erosion, slurry erosion and solid particle erosion performance of metal matrix composite (MMC) coatings sprayed with modern high velocity thermal spray processes. In Materials Science and Technology Conference and Exhibition 2017, MS and T 2017: October 8-12, 2017, Pittsburgh, Pennsylvania USA. Association for Iron and Steel Technology, AISTECH. pp. 1161-1163.

Ntziachristos L, Saukko E, Lehtoranta K, Rönkkö T, Timonen H, Simonen P, Karjalainen P, Keskinen J. 2016. Particle emissions characterization from a medium-speed marine diesel engine with two fuels at different sampling conditions. *Fuel*. 186:456-465. <https://doi.org/10.1016/j.fuel.2016.08.091>

Castro LM, Acha E. 2016. A Unified Modeling Approach of Multi-Terminal VSC-HVDC Links for Dynamic Simulations of Large-Scale Power Systems. *IEEE Transactions on Power Systems*. 31(6):5051-5060. <https://doi.org/10.1109/TPWRS.2016.2527498>

Kramb J, Konttinen J, Backman R, Salo K, Roberts M. 2016. Elimination of arsenic-containing emissions from gasification of chromated copper arsenate wood. *Fuel*. 181:319-324. <https://doi.org/10.1016/j.fuel.2016.04.109>

Acha E, Rubbrecht T, Castro LM. 2016. Power flow solutions of AC/DC micro-grid structures. In 19th Power Systems Computation Conference, PSCC 2016. IEEE. <https://doi.org/10.1109/PSCC.2016.7540815>

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. In 2016 2nd International Conference on Intelligent Energy and Power Systems, IEPS 2016 - Conference Proceedings. IEEE. <https://doi.org/10.1109/IEPS.2016.7521859>

Lummi K, Rautiainen A, Järventausta P, Heine P, Lehtinen J, Hyvärinen M. 2016. Cost-causation based approach in forming power-based distribution network tariff for small customers. In 2016 13th International Conference on the European Energy Market, EEM 2016. IEEE COMPUTER SOCIETY PRESS. <https://doi.org/10.1109/EEM.2016.7521251>

Supponen A, Rautiainen A, Lummi K, Järventausta P, Repo S. 2016. Network impacts of distribution power tariff schemes with active customers. In 2016 13th International Conference on the European Energy Market, EEM 2016. IEEE COMPUTER SOCIETY PRESS. <https://doi.org/10.1109/EEM.2016.7521237>

Kotilainen K, Mäkinen SJ, Järventausta P, Rautiainen A, Markkula J. 2016. The role of residential prosumers initiating the energy innovation ecosystem to future flexible energy system. In 2016 13th International Conference on the European Energy Market, EEM 2016. IEEE COMPUTER SOCIETY PRESS. <https://doi.org/10.1109/EEM.2016.7521325>

- Acha E, Castro LM. 2016. A generalized frame of reference for the incorporation of, multi-terminal VSC-HVDC systems in power flow solutions. *Electric Power Systems Research*. 136:415-424. <https://doi.org/10.1016/j.epsr.2016.03.009>
- Kramb J, DeMartini N, Perander M, Moilanen A, Konttinen J. 2016. Modeling of the catalytic effects of potassium and calcium on spruce wood gasification in CO₂. *Fuel Processing Technology*. 148:50-59. <https://doi.org/10.1016/j.fuproc.2016.01.031>
- Alanen J, Saukko E, Lehtoranta K, Murtonen T, Timonen H, Hillamo R, Karjalainen P, Kuuluvainen H, Harra J, Keskinen J, Rönkkö T. 2015. The formation and physical properties of the particle emissions from a natural gas engine. *Fuel*. 162:155-161. <https://doi.org/10.1016/j.fuel.2015.09.003>
- Karamanakos P, Geyer T, Kennel R. 2015. Suboptimal search strategies with bounded computational complexity to solve long-horizon direct model predictive control problems. In 2015 IEEE Energy Conversion Congress and Exposition, ECCE 2015. Institute of Electrical and Electronics Engineers Inc. pp. 334-341. <https://doi.org/10.1109/ECCE.2015.7309707>
- Bajamundi CJE, Vainikka P, Hedman M, Silvennoinen J, Heinanen T, Taipale R, Konttinen J. 2015. Searching for a robust strategy for minimizing alkali chlorides in fluidized bed boilers during burning of high SRF-energy-share fuel. *Fuel*. 155:25-36. <https://doi.org/10.1016/j.fuel.2015.03.087>
- Hakala T, Lähdeaho T, Järventausta P. 2015. Low-Voltage DC Distribution-Utilization Potential in a Large Distribution Network Company. *IEEE Transactions on Power Delivery*. 30(4):1694-1701. <https://doi.org/10.1109/TPWRD.2015.2398199>
- Sitbon M, Schacham S, Suntio T, Kuperman A. 2015. Improved adaptive input voltage control of a solar array interfacing current mode controlled boost power stage. *Energy Conversion and Management*. 98:369-375. <https://doi.org/10.1016/j.enconman.2015.03.100>
- Bitto J, Jeong S, Tentzeris MM. 2015. A real-time electrically controlled active matching circuit utilizing genetic algorithms for biomedical WPT applications. In 2015 IEEE Wireless Power Transfer Conference, WPTC 2015. Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/WPT.2015.7140168>
- Perander M, DeMartini N, Brink A, Kramb J, Karlström O, Hemming J, Moilanen A, Konttinen J, Hupa M. 2015. Catalytic effect of Ca and K on CO₂ gasification of spruce wood char. *Fuel*. 150:464-472. <https://doi.org/10.1016/j.fuel.2015.02.062>
- Rasilo P, Salem A, Abdalh A, De Belie F, Dupré L, Melkebeek JA. 2015. Effect of Multilevel Inverter Supply on Core Losses in Magnetic Materials and Electrical Machines. *IEEE Transactions on Energy Conversion*. 30(2):736-744. <https://doi.org/10.1109/TEC.2014.2372095>
- Castro LM, Acha E, Fuerte-Esquivel CR. 2015. A novel VSC-HVDC link model for dynamic power system simulations. *Electric Power Systems Research*. 126:111-120. <https://doi.org/10.1016/j.epsr.2015.05.003>
- Liu Z, Wu Q, Christensen L, Rautiainen A, Xue Y. 2015. Driving pattern analysis of Nordic region based on National Travel Surveys for electric vehicle integration. *Journal of Modern Power Systems and Clean Energy*. 3(2):180-189. <https://doi.org/10.1007/s40565-015-0127-x>
- Karvountzis-Kontakiotis A, Ntziachristos L. 2015. Enquête de la variabilité cycle-à-cycle du NO dans la combustion homogène. *OIL AND GAS SCIENCE AND TECHNOLOGY : REVUE DE L'INSTITUT FRANCAIS DU PETROLE*. 70(1):111-123. <https://doi.org/10.2516/ogst/2013199>
- Geyer T, Karamanakos P, Kennel R. 2014. On the benefit of long-horizon direct model predictive control for drives with LC filters. In 2014 IEEE Energy Conversion Congress and Exposition, ECCE 2014. Institute of Electrical and Electronics Engineers Inc. pp. 3520-3527. <https://doi.org/10.1109/ECCE.2014.6953879>

Karamanakos P, Geyer T, Kennel R. 2014. Reformulation of the long-horizon direct model predictive control problem to reduce the computational effort. In 2014 IEEE Energy Conversion Congress and Exposition, ECCE 2014. Institute of Electrical and Electronics Engineers Inc. pp. 3512-3519. <https://doi.org/10.1109/ECCE.2014.6953878>

Karamanakos P, Stolze P, Kennel RM, Manias S, Du Toit Mouton H. 2014. Variable Switching Point Predictive Torque Control of Induction Machines. *IEEE Journal of Emerging and Selected Topics in Power Electronics*. 2(2):285-295. <https://doi.org/10.1109/JESTPE.2013.2296794>

Raghuwanshi S, Deswal D, Karp M, Kuhad RC. 2014. Bioprocessing of enhanced cellulase production from a mutant of *Trichoderma asperellum* RCK2011 and its application in hydrolysis of cellulose. *Fuel*. 124:183-189. <https://doi.org/10.1016/j.fuel.2014.01.107>

Ciranna A, Ferrari R, Santala V, Karp M. 2014. Inhibitory effects of substrate and soluble end products on biohydrogen production of the alkalithermophile *Caloramator celer*: Kinetic, metabolic and transcription analyses. *International Journal of Hydrogen Energy*. 39(12):6391-6401. <https://doi.org/10.1016/j.ijhydene.2014.02.047>

Rasilo P, Lemesle MA, Belahcen A, Arkkio A, Hinkkanen M. 2014. Comparison of finite-element-based state-space models for PM synchronous machines. *IEEE Transactions on Energy Conversion*. 29(2):535-543. <https://doi.org/10.1109/TEC.2014.2307472>

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

Oksa M, Auerkari P, Salonen J, Varis T. 2014. Nickel-based HVOF coatings promoting high temperature corrosion resistance of biomass-fired power plant boilers. *Fuel Processing Technology*. 125:236-245. <https://doi.org/10.1016/j.fuproc.2014.04.006>

Karamanakos P, Geyer T, Manias S. 2013. Direct model predictive current control strategy of DC-DC boost converters. *IEEE Journal of Emerging and Selected Topics in Power Electronics*. 1(4):337-346. <https://doi.org/10.1109/JESTPE.2013.2279855>

Kivistö A, Santala V, Karp M. 2013. Non-sterile process for biohydrogen and 1,3-propanediol production from raw glycerol. *International Journal of Hydrogen Energy*. 38(27):11749-11755. <https://doi.org/10.1016/j.ijhydene.2013.06.119>

Seppälä JJ, Larjo A, Aho T, Yli-Harja O, Karp MT, Santala V. 2013. Prospecting hydrogen production of *Escherichia coli* by metabolic network modeling. *International Journal of Hydrogen Energy*. 38(27):11780-11789. <https://doi.org/10.1016/j.ijhydene.2013.07.002>

Karamanakos P, Geyer T, Manias S. 2013. Model predictive control of the interleaved DC-DC boost converter with coupled inductors. In *2013 15th European Conference on Power Electronics and Applications, EPE 2013*. <https://doi.org/10.1109/EPE.2013.6632006>

Stolze P, Karamanakos P, Kennel R, Manias S, Mouton T. 2013. Variable switching point predictive torque control for the three-level neutral point clamped inverter. In *2013 15th European Conference on Power Electronics and Applications, EPE 2013*. <https://doi.org/10.1109/EPE.2013.6631894>

Lobera DT, Valkealahti S. 2013. Mismatch losses in PV power generators caused by partial shading due to clouds. In *2013 4th IEEE International Symposium on Power Electronics for Distributed Generation Systems, PEDG 2013 - Conference Proceedings*. IEEE COMPUTER SOCIETY PRESS. <https://doi.org/10.1109/PEDG.2013.6785587>

Kieferndorf F, Karamanakos P, Bader P, Oikonomou N, Geyer T. 2012. Model predictive control of the internal voltages of a five-level active neutral point clamped converter. In *2012 IEEE Energy Conversion Congress and Exposition, ECCE 2012*. pp. 1676-1683. <https://doi.org/10.1109/ECCE.2012.6342611>

Oikonomou N, Gutscher C, Karamanakos P, Kieferndorf F, Geyer T. 2012. Model predictive pulse pattern control for the five-level active neutral point clamped inverter. In 2012 IEEE Energy Conversion Congress and Exposition, ECCE 2012. pp. 129-136. <https://doi.org/10.1109/ECCE.2012.6342832>

Kousoulidou M, Ntziachristos L, Fontaras G, Martini G, Dilara P, Samaras Z. 2012. Impact of biodiesel application at various blending ratios on passenger cars of different fueling technologies. *Fuel*. 98:88-94. <https://doi.org/10.1016/j.fuel.2012.03.038>

Pakarinen OM, Kaparaju PLN, Rintala JA. 2011. Hydrogen and methane yields of untreated, water-extracted and acid (HCl) treated maize in one- and two-stage batch assays. *International Journal of Hydrogen Energy*. 36(22):14401-14407. <https://doi.org/10.1016/j.ijhydene.2011.08.028>

Rasi S, Läntelä J, Rintala J. 2011. Trace compounds affecting biogas energy utilisation - A review. *Energy Conversion and Management*. 52(12):3369-3375. <https://doi.org/10.1016/j.enconman.2011.07.005>

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>

Puranen J, Hyvärinen L, Lagerbom J, Kylmälahti M, Koivuluoto H, Vuoristo P. 2011. Manganese-cobalt spinel coatings for SOFC metallic interconnects manufactured by conventional plasma spraying (PS) and suspension plasma spraying (SPS). In ASME 2011 9th International Conference on Fuel Cell Science, Engineering and Technology. Collocated with ASME 2011 5th International Conference on Energy Sustainability, FUELCELL 2011. pp. 237-244. <https://doi.org/10.1115/FuelCell2011-54750>

Rasilo P, Arkkio A. 2010. Modeling the effect of inverter supply on eddy-current losses in synchronous machines. In SPEEDAM 2010 - International Symposium on Power Electronics, Electrical Drives, Automation and Motion. pp. 861-865. <https://doi.org/10.1109/SPEEDAM.2010.5544811>

Rasi S, Veijanen A, Rintala J. 2007. Trace compounds of biogas from different biogas production plants. *Energy*. 32(8):1375-1380. <https://doi.org/10.1016/j.energy.2006.10.018>

Suntio T. 2003. Input Invariance as a Method to Reduce EMI Filter Interactions in Telecom DPS Systems. INTELEC, International Telecommunications Energy Conference (Proceedings). 592-597.

Waltari P, Suntio T, Tenno A, Tenno R. 2002. The effects of intermittent charging on VRLA battery life expectancy in telecom applications. INTELEC, International Telecommunications Energy Conference (Proceedings). 121-127.

Suntio T, Gadoura I. 2002. Use of unterminated two-port modeling technique in analysis of input filter interactions in telecom DPS systems. INTELEC, International Telecommunications Energy Conference (Proceedings). 560-565.

Suntio T, Uusitalo J, Jonsson L. 1989. AC-UPS reliability and availability performance: Comparison of available solutions. INTELEC, International Telecommunications Energy Conference (Proceedings). <https://doi.org/10.1109/INTLEC.1989.88298>

Valkealahti S, Welch DO. 1989. Theoretical studies of structural properties of the high- T_c superconductor $Y_1Ba_2Cu_3O_{7-x}$. *Physica C: Superconductivity and its Applications*. 162-164(PART 1):540-541. [https://doi.org/10.1016/0921-4534\(89\)91145-3](https://doi.org/10.1016/0921-4534(89)91145-3)