Additive design possibilities of electrical machines
Kallaste, Ants; **Vaimann, Toomas**; **Rassõlkin, Anton** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 5 p. : ill https://doi.org/10.1109/RTUCON.2018.8659828

An indirect model predictive current control (CCS-MPC) for grid-connected single-phase three-level NPC quasi-z-source PV inverter
Pires Pimentel, Sergio; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Roncero-Clemente, Carlos; **Stepenko, Serhii** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill https://doi.org/10.1109/RTUCON.2018.8659840

Assessment of pedestrian crossings measuring parameters and implementation of new measuring methods in Estonia
Varjas, Toivo; **Kuusik, Marko**; **Armas, Jelena**; **Rosin, Argo** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 4 p. : ill https://doi.org/10.1109/RTUCON.2018.8659821

Comparison of soft switching methods of DC-AC full bridge high-frequency link converter
Korkh, Oleksandr; **Blinov, Andrei**; **Kosenko, Roman**; **Vinnikov, Dmitri** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill https://doi.org/10.1109/RTUCON.2018.8659898

Complexities associated with modeling of residential electricity consumption
Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Rosin, Argo** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill https://doi.org/10.1109/RTUCON.2018.8659812

Control of bidirectional grid-forming inverter for nearly zero energy buildings
Roasto, Indrek; **Jalakas, Tanel**; **Rosin, Argo** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill https://doi.org/10.1109/RTUCON.2018.8659848

Development of experimental load management system for nearly zero-energy building
Maask, Vahur; **Rosin, Argo**; **Roasto, Indrek** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 5 p. : ill https://doi.org/10.1109/RTUCON.2018.8659826

Effect of electrode shape on medium voltage covered conductor insulation durability under electric stress
Kiitam, Ivar; **Taklaja, Paul**; **Tuttelberg, Kaur** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill https://doi.org/10.1109/RTUCON.2018.8659862

Electric drive for throttle control of centrifugal pump system
Gevorkov, Levon; **Rassõlkin, Anton**; **Kallaste, Ants**; **Vaimann, Toomas** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 5 p. : ill https://doi.org/10.1109/RTUCON.2018.8659845

Grid-connected buck-boost inverter based on unfolding circuit
Matiushkin, Oleksandr; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Gordienko, Vyacheslav 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill https://doi.org/10.1109/RTUCON.2018.8659824

Harmonic currents and voltages in LV networks of Estonia : measurement results, case studies
Vinnal, Toomas; **Jarkovoi, Marek**; **Kütt, Lauri** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 7 p. : ill https://doi.org/10.1109/RTUCON.2018.8659875

Harmonic spectrum analysis of induction motor with broken rotor bar fault
Asad, Bilal; **Vaimann, Toomas**; **Kallaste, Ants**; **Belahcen, Anouar** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 7 p. : ill https://doi.org/10.1109/RTUCON.2018.8659842

Ontology-based design of educational trajectories
Raud, Zoja; **Vodovozov, Valery**; **Petlenkov, Eduard**; **Serbin, Aleksandr** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 4 p. . ill https://doi.org/10.1109/RTUCON.2018.8659893

Propulsion motor drive topology selection for further development of ISEAUTO self-driving car

Rassõlkin, Anton; **Vaimann, Toomas**; **Kallaste, Ants**; **Sell, Raivo** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 5 p. : ill https://doi.org/10.1109/RTUCON.2018.8659887

Search algorithm development for novel electricity auction in microgrids
Korõtko, Tarmo; **Rosin, Argo** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill https://doi.org/10.1109/RTUCON.2018.8659820

Single-phase three-level qZ-source inverter connected to the grid with battery storage and active power decoupling function
Makovenko, Elena; **Husev, Oleksandr**; Romero-Cadaval, Enrique; **Vinnikov, Dmitri**; **Stepenko, Serhii** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill https://doi.org/10.1109/RTUCON.2018.8659843

Single-switch impedance-source galvanically isolated DC-DC converter with combined energy transfer
Chub, Andrii; **Vinnikov, Dmitri**; Babaei, Ebrahim; **Liivik, Elizaveta**; **Korkh, Oleksandr**; Kouro, Samir 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill https://doi.org/10.1109/RTUCON.2018.8659851

Small signal modeling of interleaved quasi-z-source inverter with active power decoupling circuit
Stepenko, Serhii; **Husev, Oleksandr**; **Pires Pimentel, Sergio**; **Makovenko, Elena**; **Vinnikov, Dmitri** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill https://doi.org/10.1109/RTUCON.2018.8659903

Small signal modeling of interleaved quasi-z-source inverter with active power decoupling circuit
Stepenko, Serhii; **Husev, Oleksandr**; **Pires Pimentel, Sergio**; **Makovenko, Elena**; **Vinnikov, Dmitri** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill https://doi.org/10.1109/RTUCON.2018.8659903

Steady-state thermal model of a synchronous reluctance motor
Shams Ghahfarokhi, Payam; **Belahcen, Anouar**; **Kallaste, Ants**; **Vaimann, Toomas**; **Rassõlkin, Anton** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 5 p. : ill https://doi.org/10.1109/RTUCON.2018.8659846

Voltage dips and swells in low voltage networks of Estonia
Vinnal, Toomas; **Jarkovoi, Marek**; **Kütt, Lauri** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill https://doi.org/10.1109/RTUCON.2018.8659899