Active and reactive power control of DFIG using optimized fractional order-PI controller
Javed, Umar; Arshad, Muhammad Asad; **Shabbir, Noman**; **Kütt, Lauri**; **Rassõlkin, Anton** 2021 IEEE 19th International Power Electronics and Motion Control Conference, The Silesian University of Technology Gliwice, Poland, 25 - 29 April, 2021 (PEMC) : proceedings 2021 / p. 398-404 https://doi.org/10.1109/PEMC48073.2021.9432608

Air-core inductive current sensor for fast transients measurements in distribution networks
Kütt, Lauri; **Järvik, Jaan**; **Kilter, Jako**; Shafiq, Muhammad; Lehtonen, Matti PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 249-252 : ill https://www.researchgate.net/publication/261507011_Air-core_inductive_current_sensor_for_fast_transients_measurements_in_distribution_networks

Air-core sensors operation modes for partial discharge detection and on-line diagnostics in medium voltage networks
Kütt, Lauri; Shafiq, Muhammad; **Mõlder, Heigo**; **Järvik, Jaan**; Lehtonen, Matti Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 5-12 : ill

"AK.Nädal" uuris, kuidas häirivad tuulepargid julgeolekut
Põlendik, Kadri; Aaspõllu, Huko err.ee 2024 "AK.Nädal" uuris, kuidas häirivad tuulepargid julgeolekut

Analyses of supply voltage quality, power consumption and losses affected by shunt capacitors for power factor correction
Vinnal, Toomas; **Janson, Kuno**; **Kalda, Heljut**; **Kütt, Lauri** PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 53-60 : ill

Analysis of common mode and rapidly varying voltage profile on stator current harmonics of an inverter-fed induction motor
Sardar, Muhammad Usman; **Vaimann, Toomas**; **Kütt, Lauri**; **Kallaste, Ants**; **Asad, Bilal**; **Kudelina, Karolina**; **Akbar, Siddique** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 6 p. : ill https://doi.org/10.1109/RTUCON60080.2023.10413067

Analysis of harmonic current stability and summation of LED lamps
Jarkovoi, Marek; **Iqbal, Muhammad Naveed**; **Kütt, Lauri** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 8 p. : ill https://doi.org/10.1109/PQ.2019.8818237

Analysis of power consumption and losses in relation to supply voltage levels
Vinnal, Toomas; **Kütt, Lauri**; **Kalda, Heljut** 6th International Conference "2008 Power Quality and Supply Reliability" : August 27-29, 2008 : Pärnu, Estonia : conference proceedings 2008 / p. 23-28 : ill

Analysis on faulty phase grounding in medium-voltage networks with isolated neutral
Kütt, Lauri; **Järvik, Jaan** 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11-16, 2010 : proceedings] 2010 / p. 281-284 : ill

Automotive waste heat harvesting for electricity generation using thermoelectric systems - an overview
Kütt, Lauri; Lehtonen, Matti 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 55-62 : ill

Battery size optimization with customer PV installations and domestic load profile
Shabbir, Noman; **Kütt, Lauri**; **Astapov, Victor**; Jawad, Muhammad; Allik, Alo; **Husev, Oleksandr** IEEE Access 2022 / p. 13012-13025 : ill https://doi.org/10.1109/ACCESS.2022.3147977 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bivariate stochastic model of current harmonic analysis in the low voltage distribution grid
Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Daniel, Kamran**; **Jarkovoi, Marek**; **Asad, Bilal**; **Shabbir, Noman** Proceedings of the Estonian Academy of Sciences 2021 / p. 190–206 : ill https://doi.org/10.3176/proc.2021.2.08 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Buck-boost unfolder inverter as a novel solution for single-phase PV systems
Husev, Oleksandr; **Matiushkin, Oleksandr**; **Vinnikov, Dmitri**; Roncero, Carlos; Romero-Cadaval, Enrique; **Kütt, Lauri** IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2018 / p. 6116-6121 : ill https://doi.org/10.1109/IECON.2018.8592899

Case study of non-linear PV inverter devices attached to the LV distribution network
Vinnal, Toomas; **Puusepp, Hardi**; **Shabbir, Noman**; **Kütt, Lauri**; **Iqbal, Muhammad Naveed** Agronomy research 2020 / p. 2639−2652 : ill https://doi.org/10.15159/AR.20.233 https://dspace.emu.ee/xmlui/handle/10492/5955 Journal metrics at Scopus Article at Scopus

Characteristic pulse pattern features of different types of partial discharge sources in power cables
Kiitam, Ivar; **Shafiq, Muhammad**; **Taklaja, Paul**; **Parker, Martin**; **Palu, Ivo**; **Kütt, Lauri** IEEE Power Engineering Society Conference and Exposition in Africa, PowerAfrica, IEEE PES/IAS PowerAfrica, Nairobi, Keenia, 23-27 Aug 2021 : proceedings 2021 / 5 p. : ill https://doi.org/10.1109/PowerAfrica52236.2021.9543366

Characterization of corona and internal partial discharge under increasing electrical stress using time domain analysis
Shafiq, Muhammad; **Kiitam, Ivar**; **Taklaja, Paul**; Hussain, Amjad; **Kütt, Lauri**; Kauhaniemi, Kimmo 2020 IEEE Electrical Insulation Conference : EIC 2020 2020 / vol. 217−220 https://doi.org/10.1109/EIC47619.2020.9158701

Characterization of high-frequency impedance-based models for transient terminal overvoltage estimation in cable-fed motor drive systems
Sardar, Muhammad Usman; **Vaimann, Toomas**; **Kütt, Lauri**; **Asad, Bilal**; **Kallaste, Ants**; **Kudelina, Karolina** 2024 International Conference on Electrical Machines (ICEM) 2024 / 7 p https://doi.org/10.1109/ICEM60801.2024.10700495

Community battery sizing for distribution level RES hosting capacity improvement
Peterson, Kristjan; **Shabbir, Noman**; **Astapov, Victor**; **Kütt, Lauri**; **Kamran, Daniel** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 5 p https://doi.org/10.1109/RTUCON62997.2024.10830871

Compact fluorescent lamp harmonic disruption effect of transformer losses
Mõlder, Heigo; **Lellsaar, Mikk**; **Kütt, Lauri** 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11-16, 2010 : proceedings] 2010 / p. 277-280 : ill

Comparative analysis of zigbee based wireless sensor networks (WSNs)
Shabbir, Noman; Hassan, Syed Rizwan; **Iqbal, Muhammad Naveed**; **Kütt, Lauri**; Unbreen, Arooj International journal of recent technology and engineering 2019 / p. 980-984 : ill https://www.ijrte.org/wp-content/uploads/papers/v7i6s/F04000376S19.pdf Journal metrics at Scopus Article at Scopus

Comparative analysis of ZigBee based Wireless Sensor Networks (WSNs)
Shabbir, Noman; Hassan, Syed Rizwan; **Iqbal, Muhammad Naveed**; **Kütt, Lauri**; Unbreen, Arooj International journal of recent technology and engineering 2019 / p. 980-984 : ill https://www.ijrte.org/wp-content/uploads/papers/v7i6s/F04000376S19.pdf

Comparative Analysis of ZigBee Based Wireless Sensor Networks (WSNs)
Shabbir, Noman; Hassan, Syed Rizwan; **Iqbal, Muhammad Naveed**; **Kütt, Lauri** Proceeding of the 4th International Conference on Recent Trends in Computer Science and Electronics 2019 2019 / p. 115 http://www.rtcse.org/RTCSE_2019.pdf

A comparison of a discrete-time PI and an indirect MPC current controllers for a single-phase grid-connected inverter operating with distorted grid and significant computation feedback delay
Pimentel, Sergio Pires; **Husev, Oleksandr**; **Vinnikov, Dmitri**; **Stepenko, Serhii**; **Kütt, Lauri**; Rodriguez, Jose 2019 IEEE 15th Brazilian Power Electronics Conference and 5th IEEE Southern Power Electronics Conference (COBEP/SPEC) 2019 / 6 p.: ill https://doi.org/10.1109/COBEP/SPEC44138.2019.9065396

Comparison of current harmonic emission by different lighting technologies
Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Shabbir, Noman**; **Asad, Bilal** 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, Nov. 5-7, 2020 : conference proceedings 2020 / 6 p http://toc.proceedings.com/52742webtoc.pdf

Comparison of machine learning based methods for residential load forecasting
Shabbir, Noman; **Ahmadiahangar, Roya**; **Kütt, Lauri**; **Rosin, Argo** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 4 p. : ill https://doi.org/10.1109/PQ.2019.8818267

Comparison of operating modes of air-core inductive sensors for partial discharge on-line diagnostics in medium voltage networks
Kütt, Lauri; Shafiq, Muhammad; Lehtonen, Matti; **Mõlder, Heigo**; **Järvik, Jaan** Digest book and electronic proceedings : 54th International Scientific Conference of Riga Technical University : Section of Power and Electrical Engineering 2013 / p. 29.1-29.6 : ill https://research.aalto.fi/en/publications/comparison-of-operating-modes-of-air-core-inductive-sensors-for-p

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

Conducted EMI emission evaluation considerations for test site and in-situ evaluation of DC microgrid supplied power converters
Kütt, Lauri; **Daniel, Kamran**; **Sharma, Hetal**; **Parker, Martin**; **Chub, Andrii** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p http://doi.org/10.1109/ICDCM63994.2025.11144729

Congestion control strategies for increased renewable penetration of photovoltaic in LV distribution networks
Shabbir, Noman; **Kütt, Lauri**; **Astapov, Victor**; **Husev, Oleksandr**; **Ahmadiahangar, Roya**; **Wen, Fushuan**; **Kull, Karl** Energy reports 2022 / p. 217-223 https://doi.org/10.1016/j.egyr.2022.10.184 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Consequences of distributed generation on power quality
Niitsoo, Jaan; **Kütt, Lauri**; **Taklaja, Paul** 14th International Scientific Conference on Electric Power Engineering 2013 : Kouty nad Desnou, Czech Republic, 28 – 30 May 2013 : proceedings 2013 / p. 163-167

Current harmonic aggregation cases for contemporary loads
Daniel, Kamran; **Kütt, Lauri**; **Iqbal, Muhammad Naveed**; **Shabbir, Noman** Energies 2022 / art. 437
https://doi.org/10.3390/en15020437 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Current harmonics of EV chargers and effects of diversity to charging load current distortions in distribution networks
Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; **Mõlder, Heigo**; **Niitsoo, Jaan** 2013 International Conference on Connected Vehicles and Expo (ICCVE) : proceedings : Las Vegas, Nevada, USA, 2-6 December 2013 2013 / p. 726-731 : ill
https://ieeexplore.ieee.org/document/6799884

Description of practical load harmonic current emission due to voltage harmonic variation
Daniel, Kamran; **Kütt, Lauri**; **Iqbal, Muhammad Naveed**; **Shabbir, Noman**; **Jarkovoi, Marek** 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2021 / p. 1–6
https://doi.org//10.1109/RTUCON53541.2021.9711594

Design of high-frequency transient current sensor for powerline on-line measurement
Kütt, Lauri; **Järvik, Jaan**; **Kilter, Jako**; Shafiq, Muhammad; Lehtonen, Matti Electrical and control technologies : proceedings of the the 7th international conference on electrical and control technologies ECT-2012 2012 / p. 212-216 : ill
https://research.aalto.fi/fi/publications/design-of-high-frequency-transient-current-sensor-for-powerline-o

Design of LCL-filter for grid-connected buck-boost inverter based on unfolding circuit
Matiushkin, Oleksandr; **Husev, Oleksandr**; **Vinnikov, Dmitri**; **Kütt, Lauri** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 4 p. : ill https://doi.org/10.1109/PQ.2019.8818248

A DFT-based approach for condition monitoring of switch-mode power converters
Kütt, Lauri; **Tiivel, Tuuli**; **Parker, Martin**; **Valgur, Laur**; **Jarkovoi, Marek**; **Chub, Andrii** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 5 p
https://doi.org/10.1109/RTUCON62997.2024.10830915

Directional calibration of rogowski coil for localization of partial discharges in smart distribution networks
Shafiq, Muhammad; **Kütt, Lauri**; Isa, M.; Hashmi, M.; Lehtonen, Matti International review of electrical engineering 2012 / p. 5881-5890
https://www.researchgate.net/publication/262703688_Directional_Calibration_of_Rogowski_Coil_for_Localization_of_Partial_Discharges_in_Smart_Distribution_Networks

Distorted grid and significant computation feedback delay
Pimentel, Sergio Pires; **Husev, Oleksandr**; **Vinnikov, Dmitri**; **Stepenko, Serhii**; **Kütt, Lauri**; Rodriguez, Jose 2019 IEEE 15th Brazilian Power Electronics Conference and 5th IEEE Southern Power Electronics Conference (COBEP/SPEC 2019) Santos, Brazil, 1-4 December 2019 2019 / p. 1481-1486 http://toc.proceedings.com/52923webtoc.pdf

Economic analysis and impact on national grid by domestic photovoltaic system installations in Pakistan
Shabbir, Noman; Usman, Muhammad; Jawad, Muhammad; Zafar, Muhammad H.; **Iqbal, Muhammad Naveed**; **Kütt, Lauri** Renewable energy 2020 / p. 509-521 : ill https://doi.org/10.1016/j.renene.2020.01.114 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of Bulk Capacitor on Harmonics of Energy-Efficient Devices
Daniel, Kamran; **Kütt, Lauri**; Lehtonen, Matti; **Shabbir, Noman**; **Iqbal, Muhammad Naveed**; Martins, Joao; Simson, Päivo IEEE Access 2025

Electric vehicle charger load current harmonics variations due to supply voltage level differences - case examples
Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; **Mõlder, Heigo**; **Niitsoo, Jaan** 2014 International Symposium on Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM) : 18-20 June, 2014, Ischia, Italy : proceedings 2014 / p. 917-922 : ill

Elektromagnetmüra mõõtmisel tehakse palju vigu
Kütt, Lauri Elektriala 2024 / lk. 28-31 : fot., ill., portr https://www.ester.ee/record=b1240496*est

Elektromagnetmüra võib arvesti näidud sassi ajada ja teha muud kurja

Piir, Rait novaator.err.ee 2024 Elektromagnetmüra võib arvesti näidud sassi ajada ja teha muud kurja

Elektromagnetväljad: masinate mäss või terviseoht?
Kütt, Lauri EhitusEST 2023 / lk. 24-27 : fot https://www.ester.ee/record=b4442657*est

End-user electricity consumption modelling for power quality analysis in residential building
Iqbal, Muhammad Naveed; **Kütt, Lauri** 2018 19th International Scientific Conference on Electric Power Engineering (EPE 2018) : Brno, Czech Republic, 16-18 May, 2018 2018 / 6 p. : ill https://doi.org/10.1109/EPE.2018.8396030

End-user electricity consumption modelling for power quality analysis of residential buildings
Iqbal, Muhammad Naveed; **Kütt, Lauri** 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 59-62 : ill http://ise.elnet.ee/record=b2950015~S2*est

Enhancing PV hosting capacity and mitigating congestion in distribution networks with deep learning based PV forecasting and battery management
Shabbir, Noman; **Kütt, Lauri**; **Astapov, Victor**; **Daniel, Kamran**; Jawad, Muhammad; **Husev, Oleksandr**; **Rosin, Argo**; Martins, Joao Applied energy 2024 / art. 123770 https://doi.org/10.1016/j.apenergy.2024.123770

Estimating the harmonic distortions in a distribution network supplying EV charging load using practical source data - case example
Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; **Mõlder, Heigo**; **Niitsoo, Jaan** 2014 IEEE Power and Energy Society General Meeting : National Harbor, MD, USA, 27-31 July 2014 2014 / [5] p. : ill

Estimation of harmonic emission of electric vehicles and their impact on low voltage residential network
Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Daniel, Kamran**; **Asad, Bilal**; **Ghahfarokhi, Payam Shams** Sustainability 2021 / art. 8551 https://doi.org/10.3390/su13158551 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Estimation of peak voltage value and its occurrence timing upon non-sinusoidal supply voltage
Daniel, Kamran; **Kütt, Lauri**; Iqbal, Muhammad Naveed; **Shabbir, Noman**; **Jarkovoi, Marek** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / p. 1-6 https://doi.org/10.1109/CPE-POWERENG60842.2024.10604412

Experiments with travelling wave transients for verification of suitability of sensor
Kütt, Lauri; **Järvik, Jaan** 11th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 16-21, 2012 2012 / p. 149-152 : ill

Exploratory data analysis based short-term electrical load forecasting : a comprehensive analysis
Javed, Umar; Ijaz, Khalid; **Shabbir, Noman**; **Kütt, Lauri**; **Husev, Oleksandr** Energies 2021 / art. 5510 https://doi.org/10.3390/en14175510 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Feasibility investigation for residential battery sizing considering EV charging demand
Shabbir, Noman; **Kütt, Lauri**; **Daniel, Kamran**; **Astapov, Victor**; **Raja, Hadi Ashraf**; **Iqbal, Muhammad Naveed**; **Husev, Oleksandr** Sustainability 2022 / art. 1079 https://doi.org/10.3390/su14031079 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

5th International Conference : Electric Power Quality and Supply Reliability : August 23-26, 2006, Viimsi, Estonia : conference proceedings
2006 http://www.ester.ee/record=b2184858*est

Forecasting of energy consumption and production using recurrent neural networks
Shabbir, Noman; **Kütt, Lauri**; Jawad, Muhammad; **Iqbal, Muhammad Naveed**; **Ghahfarokhi, Payam Shams** Advances in electrical and electronic engineering 2020 / p. 190−197 https://doi.org/10.15598/aeee.v18i3.3597 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Forecasting short term wind energy generation using machine learning
Shabbir, Noman; **Ahmadiahangar, Roya**; **Kütt, Lauri**; **Iqbal, Muhammad Naveed**; **Rosin, Argo** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 4 p https://doi.org/10.1109/RTUCON48111.2019.8982365

Fotoelektrilised toitevõimsuse genereerimissüsteemid : toitemuundurseadmete elektromagnetilise ühilduvuse nõuded ja katsetusmeetodid = Photovoltaic power generating systems EMC requirements and test methods for power conversion equipment (IEC 62920:2017+IEC 62920:2017/A1:2021)
2023 https://www.ester.ee/record=b5561301*est

Harmonic current summation using probabilistic bivariate modelling = Vooluharmoonikute summeerimine rakendades

kahe muutujaga tõenäosuslikku modelleerimist
Jarkovoi, Marek 2019 https://digikogu.taltech.ee/et/Item/35d500c0-f295-4dd5-b8a5-8feb6a184d32

Harmonic currents and voltages in industrial LV networks - case studies
Vinnal, Toomas; **Kütt, Lauri**; **Jarkovoi, Marek** 2018 International Symposium on Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM 2018) : Amalfi, Italy, 20-22 June 2018 2018 / p. 177-182 : ill https://doi.org/10.1109/SPEEDAM.2018.8445234

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 levels of domestic and electrical vehicle loads in residential distribution networks
Niitsoo, Jaan; **Kilter, Jako**; **Palu, Ivo**; **Taklaja, Paul**; **Kütt, Lauri** Proceedings of IEEE AFRICON 2013 Conference : 9-12 September 2013, Mauritius 2013 / p. 184-188 https://doi.org/10.1109/AFRCON.2013.6757800 Conference Proceedings at Scopus Article at Scopus

Harmonic load of residential distribution network - case study monitoring results
Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; **Mõlder, Heigo**; **Vinnal, Toomas** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 93-98 : ill

High-frequency current sensor for power network on-line mea[s]urements
Kütt, Lauri; **Järvik, Jaan**; **Vaimann, Toomas**; Shafiq, Muhammad; Lehtonen, Matti; **Kilter, Jako** Proceedings of the 13th International Scientific Conference Electric Power Engineering 2012 : EPE 2012 : Brno. Vol. 1 2012 / p. 367-371 : ill https://www.researchgate.net/publication/262674502_High-Frequency_Current_Sensor_for_Power_Network_On-line_Measurements

Identification and location of PD defects in medium voltage underground power cables using high frequency current transformer
Shafiq, Muhammad; **Kiitam, Ivar**; **Taklaja, Paul**; **Kütt, Lauri**; Kauhaniemi, Kimmo; **Palu, Ivo** IEEE Access 2019 / art. 8771171, p. 103608 - 103618 : ill https://doi.org/10.1109/ACCESS.2019.2930704 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of cable impedance on the harmonic emission of LED lamps
Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Asad, Bilal**; **Shabbir, Noman** 2020 21st International Scientific Conference on Electric Power Engineering (EPE), October 19-21, 2020, Prague, Czech Republic 2020 / 5 p https://doi.org/10.1109/EPE51172.2020.9269271

Impact of LED thermal stability to household lighting harmonic load current modeling
Iqbal, Muhammad Naveed; **Jarkovoi, Marek**; **Kütt, Lauri**; **Shabbir, Noman** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 6 p. : ill https://doi.org/10.1109/PQ.2019.8818226

Implementing chatbot to assist costumer service of consumer protection and technical regulatory authority
Kütt, Lauri AI IN BUSINESS : proceedings of the scientific workshop on business implications of artificial intelligence, June 7, 2022 2022 / p. 65-66 : ill https://www.ester.ee/record=b5506022*est https://digikogu.taltech.ee/et/Item/2096bada-661d-4928-99a7-bfbce51825d8

Improved quantification of partial discharges for reliable diagnostics of multipath connections in MV substations
Shafiq, Muhammad; **Kiitam, Ivar**; Isa, Muzamir; **Taklaja, Paul**; **Palu, Ivo**; **Kütt, Lauri** 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2021 / 6 p https://doi.org/10.1109/RTUCON53541.2021.9711585

Improvement of voltage transformers overvoltage problems in MV networks
Janson, Kuno; **Järvik, Jaan**; **Kütt, Lauri**; **Soosalu, Ain** 6th International Conference "2008 Power Quality and Supply Reliability" : August 27-29, 2008 : Pärnu, Estonia : conference proceedings 2008 / p. 247-250 : ill

Inaccuracies and uncertainties for harmonic estimation in distribution networks
Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Daniel, Kamran**; **Shabbir, Noman**; Amjad, Anas; Awan, Abdul Waheed; Ali, Majid Sustainability 2024 / art. 6523 https://doi.org/10.3390/su16156523 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at Scopus

Indirect model predictive control for inverter connected to distorted grid with significant computation delay
Husev, Oleksandr; Pimentel, Sergio Pires; **Vinnikov, Dmitri**; **Kütt, Lauri**; Rodriguez, Jose IECON 2019 - 45th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2019 / p. 6483-6488 : ill https://doi.org/10.1109/IECON.2019.8927279

Inrush current measurement and modeling practical cases and primary methods
Tinno, Jan Markus; **Kütt, Lauri**; **Parker, Martin**; **Kulikov, Jan**; **Jaanus, Martin** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 5 p https://doi.org/10.1109/RTUCON62997.2024.10830806

Load current harmonic model complexity reduction through empirical pattern analysis
Daniel, Kamran; **Kütt, Lauri**; **Iqbal, Muhammad Naveed**; **Shabbir, Noman**; **Jarkovoi, Marek**; **Parker, Martin** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / p. 1-6
https://doi.org/10.1109/CPE-POWERENG58103.2023.10227474

Load current harmonic sensitivity of AC/DC power converters of energy efficient devices = Energiatõhusate seadmete vahelduv-alalisvoolumuundurite koormusvoolu harmoonikute tundlikkus
Daniel, Kamran 2024 https://doi.org/10.23658/taltech.35/2024 https://digikogu.taltech.ee/et/Item/6401470b-5c33-473d-b82c-5793dfb1c543

Load shifting in the existing distribution network and perspectives for EV charging - case study
Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; **Rosin, Argo**; **Mõlder, Heigo** 2014 5th IEEE PES Innovative Smart Grid Technologies Europe (ISGT Europe) : October 12-15, Istanbul 2014 / p. 1-6 : ill

Machine learning and deep learning techniques for residential load forecasting : a comparative analysis
Shabbir, Noman; **Kütt, Lauri**; **Raja, Hadi Ashraf**; **Ahmadiahangar, Roya**; **Rosin, Argo**; **Husev, Oleksandr** 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON): conference proceedings 2021 / p. 1-5 https://doi.org/10.1109/RTUCON53541.2021.9711741

Magnetic current sensor stray components in high frequency operation and their effects
Kütt, Lauri; **Järvik, Jaan**; **Mõlder, Heigo**; **Kilter, Jako**; Shafiq, Muhammad Conference proceedings : 2012 11th International Conference on Environment and Electrical Engineering : Venice, Italy, 18-25 May 2012 2012 / p. 617-620 : ill
https://ieeexplore.ieee.org/abstract/document/6221451

Magnetic field sensor coil in fast transient measurement application
Kütt, Lauri; **Järvik, Jaan** 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 10-15, 2011 2011 / p. 117-121 : ill

Magnetic sensor coil shape geometry and bandwidth assessment
Kütt, Lauri; Shafiq, Muhammad 7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum 2011 / p. 58-61 : ill

Mathematical model for assessment of voltage disturbing sources in networks with distributed power generation
Sayenko, Yuri; Kalyuzhniy, Dmitry; **Bolgov, Viktor**; **Kütt, Lauri** Przeglad elektrotechniczny = Electrical review 2019 / p. 49-53 : ill
https://doi.org/10.15199/48.2019.03.12 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Measurement based approach for residential customer stochastic current harmonic modelling = Mõõtmispõhine lähenemine olmetarbijate vooluharmoonikute juhusliku esinemise modelleerimiseks
Iqbal, Muhammad Naveed 2021 https://www.ester.ee/record=b5454042*est https://digikogu.taltech.ee/et/Item/cc2248c5-5530-44fb-8150-51de0e7832ad https://doi.org/10.23658/taltech.43/2021

MechMate õppematerjalid : [õpikute kogumik]
Kütt, Lauri; **Pettai, Elmo**; **Müür, Margus**; **Maask, Vahur**; **Lehtla, Tõnu** 2018 https://digi.lib.ttu.ee/i/?12126

MechMate õppematerjalid [Võrguteavik]
Kütt, Lauri; **Pettai, Elmo**; **Müür, Margus**; **Maask, Vahur**; **Lehtla, Tõnu** 2019 https://www.ester.ee/record=b5227431*est
https://digi.lib.ttu.ee/i/?12126

Modeling of lighting load in residential buildings
Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Shabbir, Noman** International journal of engineering and advanced technology 2018 / p. 233–236 https://www.scopus.com/record/display.uri?eid=2-s2.0-85064435587&origin=resultslist

Modeling of lighting load in residential buildings
Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Shabbir, Noman** Proceeding of the 4th International Conference on Recent Trends in Computer Science and Electronics 2019 2019 / p. 111 http://www.rtcse.org/RTCSE_2019.pdf

New practical approach to input current shaping in AC-DC power converters
Janson, Kuno; **Bolgov, Viktor**; **Kütt, Lauri**; **Kallaste, Ants**; **Mõlder, Heigo** EPE-PEMC 2008 : 2008 13th International Power Electronics and Motion Control Conference : 1-3 September 2008, Poznan, Poland : abstracts 2008 / p. 8
https://www.researchgate.net/publication/241155011_New_Practical_Approach_to_Input_Current_Shaping_in_AC-DC_Power_Converters

New practical approach to input current shaping in AC-DC power converters [Electronic resource]
Janson, Kuno; **Bolgov, Viktor**; **Kütt, Lauri**; **Kallaste, Ants**; **Mõlder, Heigo** EPE-PEMC 2008 : 2008 13th International Power Electronics and Motion Control Conference : 1-3 September 2008, Poznan, Poland : proceedings 2008 / p. 154-158 : ill. [CD-ROM]
https://www.researchgate.net/publication/241155011_New_Practical_Approach_to_Input_Current_Shaping_in_AC-DC_Power_Converters

Online partial discharge diagnostics in medium voltage branched cable networks
Shafiq, Muhammad; Lehtonen, Matti; Isa, M.; **Kütt, Lauri** Proceedings of 2013 Fourth International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : Istanbul, Turkey, 13-17 May 2013 2013 / p. 246-251 : ill
https://ieeexplore.ieee.org/abstract/document/6635614

Optimal fractional order PI controller for field oriented current control of switched reluctance motor
Mughees, Neelam; Ashfgar, Hira; **Shabbir, Noman**; **Rassõlkin, Anton**; **Kütt, Lauri** 2021 IEEE 19th International Power Electronics and Motion Control Conference, The Silesian University of Technology Gliwice, Poland, 25 - 29 April, 2021 (PEMC) : proceedings 2021 / p. 479-485 https://doi.org/10.1109/PEMC48073.2021.9432616

Optimization of concentrated solar thermoelectric generator system for highest yearly electric output
Kütt, Lauri; Millar, John; Lehtonen, Matti; Märss, Maido 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 139-144 : ill

An overview of measurement standards for power quality
Shabbir, Noman; **Kütt, Lauri**; **Jarkovoi, Marek**; **Iqbal, Muhammad Naveed**; **Rassõlkin, Anton**; **Daniel, Kamran** Agronomy research 2021 / p. 944−960 https://doi.org/10.15159/ar.21.074 Journal metrics at Scopus Article at Scopus

Parameters identification and modeling of high-frequency current transducer for partial discharge measurements
Shafiq, Muhammad; **Kütt, Lauri**; Lehtonen, Matti; Nieminen, Tatu; Hashmi, Murtaza IEEE sensors journal 2013 / p. 1081-1091 : ill
https://doi.org/10.1109/JSEN.2012.2227712
https://www.academia.edu/101513170/Parameters_Identification_and_Modeling_of_High_Frequency_Current_Transducer_for_Partial_Discharge_Measurements Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Passive shaping of line current waveform by converter with alternating of parallel and series resonance in AC-DC switch mode power supplies
Janson, Kuno; **Bolgov, Viktor**; **Kütt, Lauri**; **Kallaste, Ants**; **Mõlder, Heigo** ICECS 2008 : The 15th IEEE International Conference on Electronics, Circuits and Systems : 31st August to 3rd September 2008, Malta : conference guide 2008 / p. 37
https://ieeexplore.ieee.org/document/4674795

Passive shaping of line current waveform by converter with alternating of parallel and series resonance in AC-DC switch mode power supplies [Electronic resource]
Janson, Kuno; **Bolgov, Viktor**; **Kütt, Lauri**; **Kallaste, Ants**; **Mõlder, Heigo** ICECS 2008 : The 15th IEEE International Conference on Electronics, Circuits and Systems : August 31 - September 3, 2008, Malta : [proceedings] 2008 / p. 77-80 : ill. [CD-ROM]
https://doi.org/10.1109/ICECS.2008.4674795 https://ieeexplore.ieee.org/document/4674795

Performance comparison of PD data acquisition techniques for condition monitoring of medium voltage cables
Shafiq, Muhammad; **Kiitam, Ivar**; Kauhaniemi, Kimmo; Taklaja, Paul; **Kütt, Lauri**; **Palu, Ivo** Energies 2020 / art. 4272, 14 p. : ill
https://doi.org/10.3390/en13164272 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Performance evaluation of additive manufacturing based test samples for studies of defects in electrical insulation
Shafiq, Muhammad; **Taklaja, Paul**; **Kiitam, Ivar**; **Tiismus, Hans**; **Palu, Ivo**; **Kütt, Lauri** 2021 International Conference on Electrical, Computer and Energy Technologies (ICECET) 2021 / 6 l https://doi.org/10.1109/ICECET52533.2021.9698476

Performance evaluation of PD monitoring technique integrated into medium voltage cable network for smart condition assessment
Shafiq, Muhammad; Lehtonen, Matti; Hussain, Ghulam A.; **Kütt, Lauri** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 351-357 : ill

Preface
Järvik, Jaan; **Kütt, Lauri**; Lellsaar, Mikk PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia : conference proceedings 2010 / p. 3

Preface
Järvik, Jaan; **Kütt, Lauri**; **Šklovski, Jevgeni** PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / [3] p.

Preliminary study on voltage level influence on harmonic current of LED lamps
Jarkovoi, Marek; **Kütt, Lauri** 16th International Symposium "Topical Problems in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology III" : Pärnu, Estonia, January 16-21, 2017 2017 / p. 116-120 : ill
http://www.ester.ee/record=b4650094*est

Probabilistic bivariate modeling of harmonic current
Jarkovoi, Marek; **Kütt, Lauri**; **Iqbal, Muhammad Naveed** 2020 19th International Conference on Harmonics and Quality of Power (ICHQP), 6-7 July 2020, Dubai, UAE 2020 / 6 p https://doi.org/10.1109/ICHQP46026.2020.9177870

Päikeseelektri tulva aitaks leevendada kohalik salvestusvõimsus

Alvela, Ain novaator.err.ee 2023 Päikeseelektri tulva aitaks leevendada kohalik salvestusvõimsus https://digikogu.taltech.ee/et/Item/2c178a6b-f918-4932-bd1b-48fefb7fc7aa

qZS inverter as synchronverter in small-scale micro-grid
Zakis, Janis; **Makovenko, Elena**; Zeng, Hao; **Husev, Oleksandr**; **Kütt, Lauri** Elektronika ir elektrotechnika = Electronics and electrical engineering 2018 / p. 58-62 : ill https://doi.org/10.5755/j01.eie.24.2.20636 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Rahvusvaheline elektritoite kvaliteedi ja varustuskindluse konverents PQ2012 möödus edukalt
Vaimann, Toomas; **Kütt, Lauri**; **Järvik, Jaan** Elektriala 2012 / lk. 10-11 : fot

Reactive power compensation for spot welding machine using thyristor switched capacitor
Kallaste, Ants; **Kütt, Lauri**; **Bolgov, Viktor**; **Janson, Kuno** 6th International Conference "2008 Power Quality and Supply Reliability" : August 27-29, 2008 : Pärnu, Estonia : conference proceedings 2008 / p. 241-245 : ill

Requirements to data acquisition and signal analysis for electrical grid condition monitoring
Anijärv, Toomas Erik; **Shabbir, Noman**; **Kütt, Lauri**; **Iqbal, Muhammad Naveed** 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, Nov. 5-7, 2020 : conference proceedings 2020 https://doi.org/10.1109/RTUCON51174.2020.9316487

Residential energy management system to support increased renewable penetration = Taastuvenergiaallikate kasutustihedust toetav energiahaldussüsteem
Shabbir, Noman 2022 https://doi.org/10.23658/taltech.37/2022 https://digikogu.taltech.ee/et/Item/2c178a6b-f918-4932-bd1b-48fefb7fc7aa https://www.ester.ee/record=b5503996*est

Residential load forecasting using recurrent neural networks
Shabbir, Noman; **Ahmadiahangar, Roya**; **Raja, Hadi Ashraf**; **Kütt, Lauri**; **Rosin, Argo** 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings 2020 / p. 478-481 : ill https://doi.org/10.1109/CPE-POWERENG48600.2020.9161565

A review of harmonic detection, suppression, aggregation and estimation techniques
Daniel, Kamran; **Kütt, Lauri**; **Iqbal, Muhammad Naveed**; **Shabbir, Noman**; **Raja, Hadi Ashraf**; **Sardar, Muhammad Usman** Applied sciences 2024 / art. 10966 https://doi.org/10.3390/app142310966 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Review of technical solutions addressing voltage and operational challenges in a distribution grid with high penetration of intermittent RES
Astapov, Victor; **Shabbir, Noman**; **Rosin, Argo**; **Kütt, Lauri**; **Maask, Vahur**; **Tiismus, Hans** Energy reports 2025 / p. 1738-1760 https://doi.org/10.1016/j.egyr.2025.08.019

A review of the effects of electric vehicle charging on distribution network operation and power quality
Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; **Mõlder, Heigo**; **Niitsoo, Jaan** Electrical and Control Technologies : proceedings of the 8th International Conference on Electrical and Control Technologies : ECT-2013 2013 / p. 162-167

A review of the harmonic and unbalance effects in electrical distribution networks due to EV charging
Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; **Mõlder, Heigo**; **Niitsoo, Jaan** 12th International Conference on Environment and Electrical Engineering (EEEIC) : 5-8 May 2013 2013 / [6] p

Riiklike tehnikaprofessuuride ees seisab rida väljakutseid
Kers, Jaan TööstusEST 2023 / lk. 32-34 : ill https://www.ester.ee/record=b4481084*est

Riiklike tehnikaprofessuuride väljakutsed roheleppe, ringmajanduse ja digiteerimise valguses
Kers, Jaan Mente et Manu 2022 / lk. 26-27 https://www.ester.ee/record=b1242496*est

Rooma tänavale ilmunud pitsarobot pani itaallased nägu krimpsutama [Võrguväljaanne]
Voltri, Johannes novaator.err.ee 2021 / fot Rooma tänavale ilmunud pitsarobot pani itaallased nägu krimpsutama

Sensor resonance and its influence on the measurement results of fast transients
Kütt, Lauri; Shafiq, Muhammad; Lehtonen, Matti; **Mõlder, Heigo**; **Järvik, Jaan** Proceedings of the International Conference on Power Systems Transients (IPST2013) in Vancouver, Canada July 18-20, 2013 2013 / [7] p.: ill https://www.ipstconf.org/papers/Proc_IPST2013/13IPST134.pdf

Short-circuit wave transient measurements in HV power network
Kütt, Lauri; **Kilter, Jako**; **Palu, Ivo** 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 37-41 : ill

Short-term wind energy forecasting using deep learning-based predictive analytics
Shabbir, Noman; **Kütt, Lauri**; Jawad, Muhammad; **Husev, Oleksandr** CMC-Computers, Materials & Continua 2022 / p. 1017-1033 https://doi.org/10.32604/cmc.2022.024576 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Simulation of real time electricity price based energy management system [Online resource]
Lebedev, Denis; **Rosin, Argo**; **Kütt, Lauri** Proceedings of the IECON2016 - 42nd Annual Conference of the Industrial Electronics Society : Florence (Italy), October 24-27, 2016 2016 / p. 2106-2110 : ill https://doi.org/10.1109/IECON.2016.7793991 Conference Proceedings at Scopus Article at Scopus Article at WOS

Spectrum analysis for condition monitoring and fault diagnosis of ventilation motor : a case study
Shabbir, Noman; **Kütt, Lauri**; **Asad, Bilal**; Jawad, Muhammad; **Iqbal, Muhammad Naveed**; **Daniel, Kamran** Energies 2021 / art. 2001 https://doi.org/10.3390/en14072001 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Study of overvoltages upon single-phase ground fault initialisation and arcing processes on MV networks with isolated neutral
Kütt, Lauri; **Järvik, Jaan**; **Sepping, Eino** The 4th International Conference Electric Power Quality and Supply Reliability : August 29...31, 2004, Pedase, Estonia : proceedings 2004 / p. 139-143 : ill

Study of the behaviour of partial discharges for proactive diagnostics in medium voltage cables
Shafiq, Muhammad; **Kiitam, Ivar**; **Taklaja, Paul**; **Parker, Martin**; **Palu, Ivo**; **Kütt, Lauri** 2021 IEEE PES/IAS PowerAfrica, PowerAfrica 2021 2021 / p. 1-5 https://doi.org/10.1109/PowerAfrica52236.2021.9543233

Study of the effects of single phase ground faults to the voltage transformers in the 10 kV medium voltage power networks
Janson, Kuno; **Järvik, Jaan**; **Külm, Evald**; **Kütt, Lauri**; **Šklovski, Jevgeni** 48. Internationales Wissenschaftliches Kolloquium, 22.-25.09.2003, Technische Universität Ilmenau, Germany 2003 / p. 583-584 : ill

Study of the effects of single phase ground faults to the voltage transformers in the 10 kV medium voltage power networks [Electronic resource]
Janson, Kuno; **Järvik, Jaan**; **Külm, Evald**; **Kütt, Lauri**; **Šklovski, Jevgeni** 48. Internationales Wissenschaftliches Kolloquium, 22.-25.09.2003, Technische Universität Ilmenau, Germany : proceedings and our portrait 2003 / [10] p. : ill. [CD-ROM]

Supply voltage level optimisation in low voltage networks using shunt capacitors
Vinnal, Toomas; **Janson, Kuno**; **Kalda, Heljut**; **Kütt, Lauri** Electrical and control technologies : proceedings of the the 7th international conference on electrical and control technologies ECT-2012 2012 / p. 206-211 : ill
https://www.researchgate.net/publication/289478542_Supply_voltage_level_optimisation_in_low_voltage_networks_using_shunt_capacitors

Survey of a power quality measurement campaign in low-voltage grids
Püvi, Verner; Tukia, Toni; Lehtonen, Matti; **Kütt, Lauri** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019
https://doi.org/10.1109/PQ.2019.8818232

Survey of harmonic emission of electrical vehicle chargers in the European market
Collin, A. J.; Xu, Xiao; Djokic, S. Z.; Möller, F.; Meyer, Jan; **Kütt, Lauri**; Lehtonen, Matti SPEEDAM 2016 - proceedings : International Symposium on Power Electronics, Electrical Drives, Automation and Motion : Capri (Italy), 22nd-24th June 2016 2016 / p. 1208-1213 : ill https://doi.org/10.1109/SPEEDAM.2016.7526005

Techno-economic analysis and energy forecasting study of domestic and commercial photovoltaic system installations in Estonia
Shabbir, Noman; **Kütt, Lauri**; **Raja, Hadi Ashraf**; Jawad, Muhammad; Allik, Alo; **Husev, Oleksandr** Energy 2022 / art. 124156 https://doi.org/10.1016/j.energy.2022.124156 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tehnikahuvilised noored meisterdasid TalTechis jõulutulesid
toostusest.ee 2023 Tehnikahuvilised noored meisterdasid TalTechis jõulutulesid

Tehnikahuvilised noored meisterdasid TalTechis jõulutulesid
TööstusEST 2023 / lk. 14-15 : fot https://www.ester.ee/record=b4481084*est

6th International Conference "2008 Power Quality and Supply Reliability" : August 27-29, 2008 : Pärnu, Estonia : conference proceedings
2008 https://www.ester.ee/record=b2549933*est

Thermoelectric applications for energy harvesting in domestic applications and micro-production units. Part I : thermoelectric concepts, domestic boilers and biomass stoves
Kütt, Lauri; Millar, John; Karttunen, Antti; Karppinen, Maarit Renewable and Sustainable Energy Reviews 2018 / p. 519-544 https://doi.org/10.1016/j.rser.2017.03.051 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Three-port current fed push/pull partial power converter for integration of PV/battery systems in DC microgrids
Yadav, Neelesh; **Chub, Andrii**; **Kütt, Lauri** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 6 p https://doi.org/10.1109/BEC61458.2024.10737934 Conference proceedings at Scopus Article at Scopus Article at WOS

Time dependency of current harmonics for switch-mode power supplies
Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Asad, Bilal**; **Vaimann, Toomas**; **Rassõlkin, Anton**; Demidova, Galina Applied sciences 2020 / art. 7806, 12 p. : ill https://doi.org/10.3390/app10217806 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Time-dependent variations in current harmonic emission by LED lamps in the low-voltage network
Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Asad, Bilal**; **Shabbir, Noman**; **Rasheed, Iftikhar** Electrical Engineering 2021 / p. 1525-1539 : ill https://doi.org/10.1007/s00202-020-01175-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Travel activity based stochastic modelling of load and charging state of electric vehicles
Iqbal, Muhammad Naveed; **Kütt, Lauri**; Lehtonen, Matti; Millar, Robert John; Püvi, Verner; **Rassõlkin, Anton**; **Demidova, Galina** Sustainability 2021 / art. 1550, 14 p. : ill https://doi.org/10.3390/su13031550 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tuulikute raadiomüra hakkab reguleerima normdokument
Kütt, Lauri TööstusEST 2025 / lk. 56-58 : portr, fot https://www.ester.ee/record=b4481084*est https://toostusest.ee/uudis/2025/02/10/tuulikute-raadiomura-hakkab-reguleerima-normdokument/

Waveform variation defined model for harmonic current emissions including cross-order supply voltage harmonics influence
Daniel, Kamran; **Kütt, Lauri**; **Iqbal, Muhammad Naveed**; **Shabbir, Noman**; **Jarkovoi, Marek**; **Parker, Martin** IEEE Access 2023 / p. 42276-42289 : ill https://doi.org/10.1109/ACCESS.2023.3270805 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Wideband frequency response analysis for sensitive condition estimation of machine's turn insulation degradation faults
Sardar, Muhammad Usman; **Vaimann, Toomas**; **Kütt, Lauri**; **Asad, Bilal**; **Kallaste, Ants**; **Land, Raul** 2025 IEEE Workshop on Electrical Machines Design, Control and Diagnosis (WEMDCD) 2025 / 6 p https://doi.org/10.1109/WEMDCD61816.2025.11014207

Wind energy forecasting using recurrent neural networks
Shabbir, Noman; **Kütt, Lauri**; Jawad, Muhammad; **Ahmadiahangar, Roya**; **Iqbal, Muhammad Naveed**; **Rosin, Argo** 2019 Big Data, Knowledge and Control Systems Engineering (BdKCSE) 2019 / 5 p. : ill https://doi.org/10.1109/BdKCSE48644.2019.9010593

Vision towards 5G : comparison of radio propagation models for licensed and unlicensed indoor femtocell sensor networks
Shabbir, Noman; **Kütt, Lauri**; **Alam, Muhammad Mahtab**; **Roosipuu, Priit** Physical communication 2021 / art. 101371 https://doi.org/10.1016/j.phycom.2021.101371 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Voltage main harmonic level influence on harmonic current emission modeling
Daniel, Kamran; **Kütt, Lauri**; **Iqbal, Muhammad Naveed**; **Shabbir, Noman**; **Jarkovoi, Marek**; **Parker, Martin** 2023 International Conference on Future Energy Solutions (FES) 2023 / p. 1-6 https://doi.org/10.1109/FES57669.2023.10183302

Volt-time characteristics of medium voltage overhead line porcelain pin insulators
Taklaja, Paul; Hyvönen, Petri; **Niitsoo, Jaan**; **Palu, Ivo**; Klüss, Joni; **Kütt, Lauri** 14th International Scientific Conference on Electric Power Engineering 2013 : Kouty nad Desnou, Czech Republic, 28 – 30 May 2013 : proceedings 2013 / p. 423-427