

Additive manufacturing of electrical machines

Kallaste, Ants 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 61-62 : ill
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Address from main organizers

Vinnikov, Dmitri; Liivik, Elizaveta 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. [3]
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Advanced sensors and on-line measurements for power lines in smart grids

Shabbir, Noman 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 205-206 : ill
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Advancement in perception capabilities for autonomous vehicles : from dataset collection to scene interpretation = Autonoomsete sõidukite tajuvõimekuse täiustamine : andmekogumisest stseeni tõlgendamiseni

Gu, Junyi 2024 https://www.ester.ee/record=b5703761*est <https://digikogu.taltech.ee/et/Item/a1d10aec-0115-4574-8548-356884ec5e86>
<https://doi.org/10.23658/taltech.60/2024>

An indirect model predictive current control (CCS-MPC) for grid-connected single-phase three-level NPC quasi-Z-source PV inverter

Pires Pimentel, Sergio 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 29-30 : ill
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Analysis of building sensor data to explain the experienced indoor room temperature

Crasta, Cletus J. 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 211-212 : ill
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Artificial intelligence driven approaches for fault prognostics of electrical machines using vibration spectrum analysis = Tehisintellektil põhinevad lähenemisviisid elektrimasinate rikete prognoosimiseks vibratsioonispektri analüüsi abil

Kudelina, Karolina 2024 https://www.ester.ee/record=b5685285*est <https://doi.org/10.23658/taltech.28/2024>
<https://digikogu.taltech.ee/et/Item/229f1bbb-6178-414a-9e2e-2c98a30a783c>

Bidirectional DC-DC converter with extended ZVS/ZCS range for storage applications

Blinov, Andrei 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 31-32 : ill
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Binary logic vs. fuzzy logic techniques for tuning robust controllers

Vodovozov, Valery 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 49-50
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Can electrical phenomena be explained with the concept of an "electric family tree"?

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Comparison of the porous structure of oil shale fly ashes from two different CFB boilers

Pikkor, Heliis 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 99-100 : ill
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Condition monitoring of electrical machines and its relation to IoT

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Control of DC/AC full bridge inverter

Najafzadeh, Mahdiyyeh 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 159-160 : ill
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Crowd evacuation using agent-based model in VR simulation

Wang, Ruxin 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of

Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 85-86 : ill
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Design and implementation of intelligent ground vehicle safety systems of high robustness to varying environmental and human factors

Aksjonov, Andrei 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 107-108
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Development of new requirements for outdoor advertisement screens

Varjas, Toivo 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 231-232 : ill
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Development of performance evaluation model for a robot-based manufacturing cell

Kangru, Tavo 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 101-102
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Digital twin based synchronized control and simulation of the industrial robotic cell using virtual reality

Kuts, Vladimir 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 87-88 : ill
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Discordance between amyloid- β PET and CSF biomarkers : clinical and pathophysiological consequences = Amüloid- β staatuse vastuolu PET-uuringul ning liikvorianalüüsil : kliiniline ja patofüsioloogiline tähendus

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Aaviksoo, Jaak Majandusaasta aruanne 2018 / TalTech 2019 / lk. 5 : fot https://www.ester.ee/record=b5263625*est

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First year PhD studies : modifying price based set point calculation algorithms for use in off-grid mode

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Guidelines for selection of tertiary wastewater treatment technology : report

Lember, Erki; Kuusik, Argo 2020 https://bestbalticproject.eu/wp-content/uploads/2020/11/BEST_report_TUT_27_11.pdf

Haptic glove for augmented and virtual reality

Vu, Trieu Minh 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 19-20 : ill
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Land, Tiit Tallinna Tehnikaülikooli Arengufondi aastaraamat 2025 2025 / lk. 6 : fot https://www.ester.ee/record=b5687418*est

Implementing interdisciplinarity in career guidance : guidebook for career counselors : Rezekne, Tallinn, Kaunas 2019

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Inseneriteaduskond : bakalaureuse- ja integreeritud õppekavad
2024

Inseneriteaduskond : bakalaureuse- ja integreeritud õppekavad
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Interleaved quasi-Z-source inverter with activ power decoupling for kW-scale PV applications

Stepenko, Serhii 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 71-72 : ill
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ISEAUTO - First Estonian Self-Driving Vehicle

Rassõlkin, Anton 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 11-12
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Kohalike omavalitsuste ringmajanduslike tegevuste hetkeseisu analüüs ja teekaartide koostamine : analüüsi aruanne
Hurt, Ulrika; Piirimäe, Kristjan; Tuisk, Tarmo; Voronova, Viktoria; Dulova, Niina; Merisaar, Jaana; Kull, Margit; Niidu, Allan; Klõga, Marija; Pachel, Karin; Küttim, Merle 2023 <https://doi.org/10.11590/taltech.municipalities.circular.economy.roadmaps.report.2023>

Koos loome tugevama tuleviku, mida juhivad teadus, innovatsioon ja inimesed, kes näevad suurt pilti

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Legged Locomotion on Soft and Wet Terrains [Võrguteavik] = Jalgadel liikumine pehmel ja märjal maastikul

Godon, Simon Pierre 2025 https://www.ester.ee/record=b5754511*est <https://digikogu.taltech.ee/et/Item/3fa536fe-cad0-47ce-b240-5415fb6ce141> <https://doi.org/10.23658/taltech.48/2025>

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Majandusteaduskond : bakalaureuseõppekavad

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Material properties for 3D printing electrical machines

Tiismus, Hans 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 139-140
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Metabolic reprogramming accompanying the development of colorectal cancer = Kolorektaalvähi arenguga kaasnev metaboolne ümberprogrammeerimine

Reinsalu, Leenu 2024 https://www.ester.ee/record=b5708354*est <https://digikogu.taltech.ee/et/Item/127398f7-c150-42ac-bf23-f7d3ff34331f>
<https://doi.org/10.23658/taltech.63/2024>

Model predictive control of novel buck-boost inverter with unfolding circuit

Matiushkin, Oleksandr 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 155-156 : ill
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Modeling of lighting load for the residential building

Iqbal, Muhammad Naveed 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 183-184 : ill
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Molecularly imprinted polymers: towards development of chemosensors for medical diagnostics and environmental monitoring

Sõritski, Vitali XV Loodusteaduskonna Teaduskonverents 2023 / 34 p. <https://taltech.ee/loodusteaduskond/teaduskonna-teaduskonverents> <https://doi.org/10.48726/1y9d6-46543>

Novel family of single-stage buck-boost inverters based on unfolding circuit

Husev, Oleksandr 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 39-40 : ill
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A novel vector control strategy for six-phase induction motor with low torque ripples and harmonic currents

Heidari, Hamidreza 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 121-122

1200 V RB-IGBTs under different switching conditions

Korkh, Oleksandr 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 149-150 : ill

Operation and principles of bearingless synchronous reluctance machines

Belahcen, Anouar 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 53-54 : ill
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Possible uses of blockchain technology in the power markets

Agabus, Hannes 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 65-66
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Preliminary analysis of PMU measurements for power quality assessment

Löper, Mari 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 189-190 : ill
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PV module level DC-DC converters with wide input voltage regulation range - implementation challenges and application benefits

Chub, Andrii 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 25-26 : ill
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Quazi-Z-source based string inverter for residential photovoltaic application

Santasheva, Elena 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 105-106 : ill
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Rapid prototyping - speed up your power electronic design

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Second year PhD studies : study of ventilation control

Maask, Vahur 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 191-192 : ill
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State of the art in research on microgrids realtime studies

Ahmadihangar, Roya 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 67-68
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Suunised ruumilise kahanemise analüüsimiseks ja kohandamise strateegia koostamiseks

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Teaching power electronics using object-oriented approach

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Test method for determining radiation absorptivity and emissivity coefficients of ACSR conductors

Kiitam, Ivar 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 185-186 : ill
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Testing different power system out-of-step detection algorithms

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Testing the characteristics of phasor measurement units using real-time digital simulator

Trummal, Tarmo 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 229-230 : ill
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The improvement of power factor and torque for synchronous reluctance machine

Majumder, Abhisek 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 133-134
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Thermal management of a SynRM for traction application

Ghahfarokhi, Payam Shams 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 109-110 : ill
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Thoughts on conversion of static load models

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Winding function based analytical model of squirrel cage induction motor for fault diagnostics

Asad, Bilal 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 113-114 : ill

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Wireless charging solutions for autonomous industrial systems

Zinchenko, Denys 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 167-168 : ill
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Vision based sensor analysis for mobile robots

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Üleriigiline uuring elamute kasutusest väljalangevusest ja tühjenemise mustritest : lõppraport [Võrguteavik]

Cerrone, Damiano; Hadaway, John; Männigo, Kristjan; Lehtovuori, Panu; **Grišakov, Kristi**; **Lihtmaa, Lauri**; **Kalamees, Targo** 2022
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