

### **Aggregator coordinated transactive energy trading for microgrids**

**Crasta, Cletus J.** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 105-106 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **Analysis of series partial power converter in transient and steady-state operation modes**

**Hassanpour, Naser** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 51-52 [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **Comparative evaluation of a new flying capacitor-based buck-boost converters for universal application**

**Hemmati Shahsavari, Tala** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 65-66 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **Concept of universal AC/DC-DC EV onboard battery charger with minimal redundancy and high-power density**

**Mohseni, Parham** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 73-74 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **Condition monitoring and diagnostic of electrical machines using IoT and machine learning**

**Raja, Hadi Ashraf** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 31-32 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **Current harmonics sensitivity analysis**

**Daniel, Kamran** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 89-90 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **Design and analysis of a DC solid-state circuit breaker for energy router application : [conference paper]**

**Rahimpour, Saeed** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 63-64 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **Design of a unified framework for creating XR experiences for research and academia**

**Bondarenko, Yevhen** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 11-12 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **Digital twin development of an EV-permanent magnet synchronous motor as a virtual torque sensor**

**Mohamed, Mahmoud Ibrahim Hassanin** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 23-24 [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **Eesti seismoloogia hiilgav minevik**

**Soosalu, Heidi Elisabet** Kliimast, geoloogist, ringmajandusest ja ajaloost 2024 / lk. 57-93 : ill [https://www.ester.ee/record=b5673955\\*est](https://www.ester.ee/record=b5673955*est) <https://kirjandus.geoloogia.info/reference/49116>

### **The effect of build direction on the thermal conductivity of additively manufactured AIS10Mg and silicon-steel samples : [conference paper]**

**Sarap, Martin** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 29-30 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **The evaluation of substations asset management methods cost-efficiency by using numerical simulations**

**Andreesen, Guido** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 83-84 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **Fault diagnosis of additional vibration in Cartesian robot**

**Autsou, Siarhei** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 21-22 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **High-efficiency quad-mode parallel PV power optimizer for DC microgrids**

**Sidorov, Vadim** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 59-60 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **How owl almost ruined hybrid learning - hybrid classroom technical example from vocational school**

Püvi, Silver; **Lorenz, Birgy; Tani, Sigrid Ester** ICEM 2022 Conference Polytechnic of Santarém, Portugal from 12 - 14 October 2022. "Moving on towards 'new normal' in education". 2022 / p. [?] <https://icem2022.ipsantarem.pt/parallel-sessions/>

### **Humaatidega rikastatud mullaparandaja mõju mullaelustikule ja saagile**

Kuu, Anneli; **Ivask, Mari**; Sutri, Merit; Põldmets, Marian; Shanskiy, Merrit Agronoomia 2023 = Agronomy 2023 2023 / Lk. 33-43 [https://www.ester.ee/record=b2226971\\*est](https://www.ester.ee/record=b2226971*est) <https://www.pikk.ee/wp-content/uploads/2023/03/Agronoomia2023v.pdf>

**Impact of faults and different operating conditions on current parameters in case of broken rotor bars**

**Kudelina, Karolina** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 41-42 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

**Industrial robot training in the simulation using the machine learning agents**

**Nutonen, Karle** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 13-14 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

**Influence of weather parameters on the corona losses of 330kV Estonia overhead transmission line**

**Gupta, Pradeep Kumar** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 93-94 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

**Insulation aging and framework for the development of aging model based on partial discharge analysis**

**Choudhary, Maninder** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 79-80 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

**Main gear-faults in industrial hitara**

**Autsoo, Siarhei** 20th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tallinn, Estonia, September 8-10, 2021 2022 / p. 17-18 : ill [https://www.ester.ee/record=b5457278\\*est](https://www.ester.ee/record=b5457278*est)

**Mullaharimisviiside mõju vihmaussikoosluse arvukusele ja mitmekesisusele**

Kuu, Anneli; Ivask, Mari; Sutri, Merit; Loit, Kaire; Põldmets, Marian; Shanskiy, Merrit Agronomiam 2022 = Agronomy 2022 2022 / lk. 10-17 : ill [https://www.ester.ee/record=b2226971\\*est](https://www.ester.ee/record=b2226971*est) <https://etki.ee/wp-content/uploads/2022/03/Agronomiam2022.pdf>

**Optimal condition monitoring of high voltage circuit breakers**

**Asefi, Sajjad** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 81-82 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

**Overview of battery energy storage systems readiness for digital twin of electric vehicles**

**Zequera, Rolando Antonio Gilbert** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 103-104  
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**Propulsion drive system data measurement for digital twin test bench validation**

**Rjabtšikov, Viktor** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 25-26 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

**Prototype induction motor core preparation with laser additive manufacturing**

**Tiismus, Hans** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 35-36 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

**Reliability evaluation of isolated buck-boost DC-DC series resonant converter : [conference paper]**

**Bakeer, Abualkasim Ahmed Ali** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 55-56 : ill  
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**Rogowski coil : an efficient current measurement sensor for power system applications**

**Shafiq, Muhammad** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 7-8 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

**Small alarmone (p)ppGpp hydrolase SpoT counteracts the synthetase activity of RelA**

Ernits, Karin; Tamman, Hedvig; Roghanian, Mohammad; Atkinson, Gemma C.; Hauriuk, Vasili; Garcia-Pino, Abel FEBS3+ Conference of Estonian, Latvian and Lithuanian Biochemical Societies, Tallinn, 15-17th of June, 2022 : abstract book 2022 / p. 57  
[https://biokeemiaselts.ee/wp-content/uploads/2022/06/ABSTRACT-BOOK\\_FEBS32022\\_Tallinn.pdf](https://biokeemiaselts.ee/wp-content/uploads/2022/06/ABSTRACT-BOOK_FEBS32022_Tallinn.pdf)

**The main classification of light aerial vehicles**

**Pütsep, Kristjan** 19th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tartu, Estonia, January 14-17, 2020 2020 / p. 89-90 [https://www.ester.ee/record=b5291755\\*est](https://www.ester.ee/record=b5291755*est)