

### **Advancing solar power forecasting with machine learning**

**Hokmabad, Hossein Nourollahi** 22nd International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Pärnu, Estonia, August 23-26, 2023 2023 / p. 89-90 : ill  
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### **Analysing the influence of temperature and pressure on corona loss of 330kV overhead transmission line**

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### **Analysis of broken rotor bar diagnostic techniques for inverter fed induction motor faults**

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### **Analysis of insulation degradation behavior based on partial discharge measurement**

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### **Battery energy storage systems modelling based on remaining useful lifetime through regression algorithms and binary classifiers**

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### **Capacitor coupled voltage transformer inaccuracy modeling**

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### **Comprison of grid-connected microinverter with primary and secondary side decoupling approach**

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### **Creating digital twins fo electric vehicles using Unity 3D, Unreal Engine, and Nvidia Omniverse : a comprehensive overview**

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### **Design procedure and preliminary analysis for the introduction of axial asymmetry in the synchronous reluctance machines**

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### **Digital twin-based EV permanent magnet synchronous motor for condition monitoring**

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### **Direct conductor cooling of outer-rotor machine enabled by additive manufacturing**

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### **Extended reality interface for human robot interaction**

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### **Finite element analysis based technique implementation for fault diagnostic of electrical machines**

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### **Harnessing appliance flexibility : a user-centric approach for energy management**

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#### **Intelligent traction control for electric vehicles using hyperspectral imaging**

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#### **Load current harmonics analysis and modelling**

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#### **Local energy community power system asset dispatch optimization**

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#### **Luminance of outdoor screens in Tallinn**

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#### **Performance evaluation of dual rotor yokeless stator axial flux switched reluctance machine**

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#### **Prediction of optimal location for electric vehicle charging stations**

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#### **Preliminary analysis of bearing current faults for predictive maintenance : [conference paper]**

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#### **Reimagining laboratory learning with digital twins and extended reality**

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#### **Rotational speed and inlet pressure effects on disc-type windage**

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#### **Studying the impact of gearbox faults on the operations of the cartesian robot**

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#### **Unified interface for programming and control of industrial robots**

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#### **Usage models of energy storage systems for optimization of long-term cost to the society**

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#### **Wide range power electronic converters for EVs**

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#### **Wide voltage gain range galvanically isolated DC-DC converters - an overview**

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