Conference program
Sept. 26–28, Ekaterinburg
Marins Park Hotel

Please register on the link https://leader-id.ru/events/452721

		26 Sept.
	The opening ceremony	
11:00	**Welcome speech from the Program Committee Chairman**	
11:20	**Invited speakers**	
11:20	Alena Rybushkina	NTI EnergyNet: Segments, Projects and Opportunities for Universities and Scientists ***Center Energynet***
11:45	Fedor Nepsha	Modern Solutions Implemented by RTSoft ***Smart Grid center RTSoft-Smart Grid (RTSoft Group)***
12:10	Alena Sidorova	Production Activities of Main electrical networks of the East ***Branch of PJSC Rosseti – Main electrical networks of the East***
12:35	Anton Antipchenko	Tavrida Electric. Company and Technologies ***Tavrida Electric Ural***
13:00	**Lunch**	
14:00	**Automated Electrical Systems**	
14:00	Ismoil Odinaev	Accelerated Power System Equivalent Algorithm for Emergency Control Based on Phasor Measurement Units **(ID 2645)**
14:15	Denis Snegirev	The Selection of Machine Learning Model and Its Hyperparameters Using Bayesian Optimization for Short-Term Wind Power Forecasting **(ID 2662)**
14:30	Ismoil Odinaev	Methodology for Forming a Training Sample for Power Systems Emergency Control Algorithm Based on Machine Learning **(ID 2709)**
14:45	Alena Sidorova	Assessment of the Hydroelectric Power Plant Cascade Economic Efficiency **(ID 2722)**
15:00	**The first day closing**	

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27 Sept.		
11:00	**Automated Electrical Systems**	
11:00	Yulia Sysoeva	Analysis of PWM Method for TFC (3L-NPC) **(ID 2793)**
11:15	Sergei Dekhtiar	Intermittent Arc Fault Model for Distribution Network **(ID 2798)**
11:30	Alena Sidorova	Influence of Machine Learning Method Choice on the Accuracy of Power Load Forecast Models and HPP Cascade Mode **(ID 2858)**
11:45	Alena Sidorova	Algorithm for Calculating the Water and Energy Mode of the Cascade of Hydroelectric Power Plants on the Basis of the Integrated Mathematical Model **(ID 2861)**
12:00	Pavel Bannykh	Voltage Stability Limit Calculation for Power Transfer Capability Between Two Area **(ID 2773)**
12:15 (online)	Kiryl Artsiomenka	Structural-Parametric Optimization of Automatic Control System for Power Unit 300 MW **(ID 2697)**
12:30	**Diagnostic, Prognostic and Maintenance Methods and Tools**	
12:30	Ilia Storogev	Short Circuit Monitoring System on Power Lines **(ID 2922)**
12:45	Alina Stepanova	The Methodology for Overhead Power Transmission Lines Technical State Assessment Based on Machine Learning **(ID 2771)**
13:00	**Lunch**	
14:00	**Diagnostic, Prognostic and Maintenance Methods and Tools**	
14:00	Alexey Romanov	MAD Robot: Concept and Prototype Description of the Robot for Multi-Spectral Power Equipment Diagnostics **(ID 3011, ID 3012)**
14:30	Marina Mazunina	Localization of the Overhead Power Transmission Line Insulators Defects Using Computer Vision Algorithms **(ID 3020)**
14:45	Yaroslav Mironenko	Development of Automated Life Cycle Management System for Electrically Driven Compressor Units in the Oil and Gas Industry **(ID 3019)**
15:00	**The second day closing**	

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28 Sept.		
11:00	**Information and Communication Technologies in Industry. Smart Grids & Microgrids**	
11:00	Fedor Nepsha	Open Data Platform as a Source of Data-Driven Innovations in the Energy Sector **(ID 2641)**
11:15	Nikita Sergeev	Prediction the Power Generated Low-Power Wind Turbine Based on Multilayer Perceptron **(ID 2745)**
11:30	Vyacheslav Voronin	Analysis of the Efficiency of Electric Vehicle Charging Control in Urban Distribution Networks **(ID 2836)**
11:45	Vyacheslav Voronin	Power Consumption Management at Coal Mining Enterprises: Demand Response and Tariff-based Mechanisms **(ID 2762)**
12:00	Andrey Bramm	Effects of the Hyperparameters of the Firefly Optimization Algorithm on the Renewable Energy Sources Power Plants' Optimal Placement Problem Results **(ID 2699)**
12:15	Artem Tronin	Application of Optimized Wavelet Transformation for Analysis of Digital Substation Electrical Equipment Operating Modes **(ID 2746)**
12:30	Igor Grekhnev	Comparative Analysis of Machine Learning Algorithms and Evaluation of the Effectiveness of Temperature Forecast and Day of the Week in Predicting Electricity Consumption **(ID 2717)**
12:45 (online)	Tuvshin Osgonbaatar	Ensemble Machine Learning Model for Day Ahead Solar Power Forecasting **(ID 2749)**
13:00	**Lunch**	
14:00	**Power Equipment, Electrical Machines and Drives**	
14:00	Danil Davydov	Conversion of a Spark-Ignition Gasoline Engine to Syngas: Assessment of Technical and Economic Indicators Based on Numerical Modeling **(ID 2649)**
14:15	Ilia Bezdenezhnykh	Advantages of Synchronous Reluctance Motors and Synchronous Motors with Permanent Magnets as Drive of Liquid Natural Gas Submerged Pumps for Process Loss Reduction **(ID 2693)**
14:30	Vladislav Popovtsev	Improvement of Voltage Distribution Uniformity Factor for Glass Suspension Insulator String **(ID 3013)**
14:45	Vladislav Popovtsev	Research of Alternative Arc Extinguishing and Insulating Gas Media to SF6 **(ID 3015)**
15:00	Evgeniy Shmakov	Reconstruction of Volumetric Force Density in Single-Sided Linear Induction Motors **(ID 3010)**
15:15	Victor Lytkin	Feasibility of Producing Magnetic Wedges of Figured Shape for AC Electric Motors **(ID 2698)**
15:30 (online)	Nadzeya Papkova	Comparative Analysis of Active Power Losses per Corona Using the Example of 330 kV Overhead Lines **(ID 2666)**
15:45 (online)	Yaroslav Potachits	Determination of the Place of Destruction of Electrical Apparatus Under Dynamic Influence of Short-Circuit Currents **(ID 2723)**
16:00	Konstantin Suslov	Study of a Self-tuning Predictive Voltage and Frequency Controller on a Cyber-physical Model of a Distributed Generation Plant **(ID 2694)**
16:15	**THE CLOSING CEREMONY**	
17:00	**GALA DINNER**	