

Best Oral Presentation

Special I BP G139

Title: The Frequency Strength Evaluation Index Suitable for Scenario of High Proportion of Renewable Energy

Presenter: **Jun Tao**, Zhejiang University, China

Special II BP G189

Title: Research on the Optimal Control Method of Reactive Voltage Based on Multi-cycle Coordination for Power Grid

Presenter: **Haiyun Wang**, Electric power research institute of Beijing electric power company, China

Special III BP G125

Title: Automatic Generation Control Strategy with Aggregated Generation Units Based on Mesh Adaptive Multi-Objective Optimization Algorithm

Presenter: **Xunjun Chen**, Zhejiang University, China

Special IV BP G094

Title: A New Grid Side Inertia Support Control Method for Cascaded Power Converters in Bi-directional EV Chargers

Presenter: **Hongbin Wang**, Guangzhou Power Utility, Guangdong Power Grid Co., China

Special V BP G188

Title: Impacts of Hydrogen Mixed Gas Turbines on Emissions under Different Penetrations of Wind Power and Solar Power

Presenter: **Shihao Wang**, Xi'an Polytechnic University, China

Special VI BP G017

Title: SSA-TCN-SVM based short wind power forecast oriented to Dual Carbon Target

Presenter: **Jianfang Li**, Shanghai University, China

O1 BP G171

Title: Day-ahead Optimal Scheduling of Multi-energy System Considering Hybrid Pumped-Battery Storage

Mengyuan Feng, Shanghai University of Electric Power, China

O2 BP G076

Title: ConvTasNet Based Transformer Sound Noise Reduction and Condition Recognition Network

Presenter: **Zhaoyu Hu**, Shanghai Jiao Tong University, China

O3 BP G089

Title: IDBO-RBF Neural Network Method for Predicting the Surface Field Strength of Live Working on UHV DC Transmission Lines

Presenter: **Bide Zhang**, Xihua University, China

O4 BP G221

Title: An Acceleration Method Based on Customized Preprocessing for Capacity Expansion Planning in Power Systems

Presenter: **Chenyu Xue**, Cardinal Operations, China

Best Poster Presentation

Best Poster Presentation of Poster Session 1 G058

Title: Research on Comprehensive Diagnosis and Localization Method of Defects in Converter Transformer

Presenter: **Zhou Chenhui**, Xi'an Jiaotong University, China

Best Poster Presentation of Poster Session 2 G154

Title: Frequency Stabilization Control Method for Industrial Microgrid Considering Inertia Response of Electrolytic Aluminum Load

Presenter: **Shujin Chen**, Central South University, China