

ICEEMT 2022- Online Conference Agenda

第二届电气工程与机电一体化技术国际学术会议-会议议程

Zoom: 873 8398 5708 Password: 139999

Saturday, July. 2, 2022 / 2022 年 7 月 2 日

Open Ceremony & Keynote Speeches / 开幕式&主讲报告

08:30-08:40	Open Ceremony Prof. Huajun Dong 董华军教授
08:40-08:45	Screenshot / Group photo session
08:45-09:15	Keynote Speech: Prof. Fushuan Wen 文福拴教授 Speech Title: Towards the development of probabilistic models of electric vehicle charging loads and optimal planning schemes of charging infrastructures
09:15-09:45	Keynote Speech: Assoc. Prof. Wei Wei 魏巍副教授 Speech Title: Based on IoTs Parking Navigation with Continuous Information Potential Field research
09:45-10:15	Keynote Speech: Prof. Daniel Quevedo Speech Title: Control Engineering for Critical Infrastructure
10:15-10:45	Keynote Speech: Prof. Huajun Dong 董华军教授 Speech Title: Research on mechanical durability of key components of vacuum switch under high current
10:45-11:15	Keynote Speech: Assoc. Prof. Lisu Yu 余礼苏副教授 Speech Title: Sparse Code Multiple Access for Visible Light Communication Networks in 6G
11:15-11:45	Keynote Speech: Prof. Kai Wang 王凯教授 Speech Title: Research on life prediction of supercapacitor based on improved long-term and short-term memory neural network
11:45-14:00	Lunch Break 午间休息

Zoom: 873 8398 5708 Password : 139999 (Parallel Session 1)

口头报告分会场 1 / Parallel Session 1 (14:00 -17:30)

14:00 -14:10	Oral Speaker: Haoning Gao Title: Influence of friction vibration acceleration on Pantograph catenary current carrying characteristics
14:10 -14:20	Oral Speaker: Yingchun Lan Title: Research on Intelligent Fault Location Method of Transmission Line
14:20 -14:30	Oral Speaker: Ying Li Title: Harmonic circulating current suppression of modular multilevel converter based on level-increased nearest level modulation
14:30 -14:40	Oral Speaker: Feng Liu Title: Full-functional associative memory neural network model based on memristor
14:40 -14:50	Oral Speaker: Liang Liu Title: Distribution network fault location based on ESMD-EE and Duffing vibrator system
14:50 -15:00	Oral Speaker: Qihang Liu Title: A 3 10GHz High Gain Noise Amplifier With Transformer Feedback Technique
15:00 -15:10	Oral Speaker: Ying Li Title: A MMC-type FID Submodule Open-Circuit Fault Detection and Localization Strategy Based on Maximal Information Coefficient
15:10 -15:20	Oral Speaker: Fan Ou Title: Numerical Study on Thermal Characteristics of Cabin-mounted Dry-type Transformers
15:20 -15:30	Oral Speaker: Lin Cheng Title: A Novel Automatic Voltage Control Strategy Based on Adaptive Pheromone Update Improved Ant Colony Algorithm
15:30 -15:40	Oral Speaker: Feifan Wu Title: Ultra-Short-Term wind Power Prediction Method Based on CEEMDAN and ISSA-BiLSTM
15:40 -15:50	Oral Speaker: Shuangfeng Xu Title: Design of Soft-switching Single-phase Inverters Based on the Principle of Current Enhancement
15:50 -16:00	Oral Speaker: Haipeng Xue Title: Phase Locked Loop Design for Improving Frequency Modulation Performance of Microgrid

16:00 -16:10	Oral Speaker: Yuanyuan Yan Title: Optical Fiber-Based Flexible and Wearable Motion Angle Sensor for Metacarpophalangeal Joint
16:10 -16:20	Oral Speaker: Jinpeng Zhang Title: Design of Reflective Broadband Line-Circular Polarization Conversion Metasurface
16:20 -16:30	Oral Speaker: Jianfeng Yang Title: Application Research of ship overload identification algorithm based on lidar point cloud
16:30 -16:40	Oral Speaker: Zhaoju Zeng Title: Multi-behavior sequential recommendation with low-rank decomposed self-attention
16:40 -16:50	Oral Speaker: Yabin Fu Title: Research on rectifier control strategy of power system
16:50 -17:00	Oral Speaker: Huiru Sun Title: Influence of Temperature on Lithium-ion Battery Discharge and Economy of Heating System
17:00 -17:10	Oral Speaker: Yicheng Sun Title: Robot Path Planning by Using Improved A* Algorithm and Dynamic Window Method
17:10 -17:20	Oral Speaker: Yuanyuan Tian Title: Analysis of Engineering Characteristics of Combined Thermal Insulation Wall Panel Connector Based on ABAQUS Software

Zoom: 842 1850 8583 Password : 113366 (Parallel Session 2)

口头报告分会场 2 / Parallel Session 2 (14:00 -17:30)

14:00 -14:10	Oral Speaker: Yi Dai Title: Day-ahead Electricity Price Forecasting for High Proportion Wind Power Market
14:10 -14:20	Oral Speaker: Mingyu Dang Title: Magnetic Levitation System Control and Multi-objective Optimization Using Golden Jackal Optimization
14:20 -14:30	Oral Speaker: Yan Fan Title: Difference Analysis of Electromagnetic Immunity Test between Reverberation Chamber and Anechoic Chamber
14:30 -14:40	Oral Speaker: Huanhuan Li Title: Improved sparrow algorithm for optimizing support vector machines for contact resistance prediction
14:40 -14:50	Oral Speaker: Ran Li Title: Research on Wireless Charging Technology of Electric Inspection Intelligent Car

14:50 -15:00	Oral Speaker: Xuda Li Title: Gas Concentration Prediction Method Based on JEGWO-BiLSTM Algorithm
15:00 -15:10	Oral Speaker: Suyue Liu Title: Design of Control System of Three-level T-type Bidirectional Converter
15:10 -15:20	Oral Speaker: Zhipeng Liu Title: The Construction of Recitation Mode for College Engineering Students
15:20 -15:30	Oral Speaker: Ning Lv Title: Structural Design and Motion Analysis of a Rehabilitation Wheelchair for Posture Conversion during Sit to Stand Transfer
15:30 -15:40	Oral Speaker: Haojie Mo Title: An Improved Time–Frequency Feature Fusion Based Nonintrusive Load Monitor for Load Identification
15:40 -15:50	Oral Speaker: Mingyu Nan Title: A Quasi-Greedy Strategy based on Reinforcement Learning in Intelligent Control Technology
15:50 -16:00	Oral Speaker: Haoning Sun Title: Research on the method of frequency modulation rotor kinetic energy of DFIG with speed difference compensation
16:00 -16:10	Oral Speaker: Jiping Tian Title: Research on Motor Magnex Analysis and Fault Detection Based on Finite Element
16:10 -16:20	Oral Speaker: Honghong Wang Title: Finite-time stabilization-based Adaptive Fuzzy Control : Applied to the design of the excitation controller for synchronous generators
16:20 -16:30	Oral Speaker: Qian Xia Title: Superbuck converter output capacitance monitoring
16:30 -16:40	Oral Speaker: Zhiliang Xing Title: Study on sliding electrical contact wear assessment based on gray correlation analysis
16:40 -16:50	Oral Speaker: Zhile Xu Title: Missing Information Protection Considering Inrush Current and CT Saturation
16:50 -17:00	Oral Speaker: Xingxuan Yang Title: Simulation of aluminum alloy drilling temperature
17:00 -17:10	Oral Speaker: Youyuan Zhu Title: Optimization of Control Strategy for Charging Current Ripple of Passenger Car Chargers
17:10 -17:20	Oral Speaker: Linpeng Yao Title: Topology Identification of Low-voltage Distribution Network Based on GIS and Voltage Waveform Correlation Analysis