2024 International Power Electronics and Motion Control Conference



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Awards & Event



	Best Specia	l Session Organizer Award
	Nie Hou University of Alberta	Advanced Modulation, Control and Topology of dc-dc Converters
(T)	Kui Wang Tsinghua University	Topologies, Control and Applications of Multilevel Converters
	Weihua Zhou Monash University	Advanced Modeling, Analysis, and Control of Power-electronic-based Modern Power Systems
	Ke Ma Shanghai Jiao Tong University	Reliability, Diagnosis, Prognosis and Testing of Power Electronics
	Lefei Ge Northwestern Polytechnical University	Innovation in Motor Drive Systems for Electric Vehicles
(T)	Zhonggang Yin Xi'an University of Technology,	Advanced Control of AC Motor Drives
	Huimin Wang Southwest Jiaotong University	Reliability Oriented Electrical Machine Systems: Topology, Monitoring, and Control
	Cai Chen Huazhong University of Science & Technology	WBG Device Packaging, Modeling and Reliability
(T)	Heng Wu Aalborg University	Applications of Grid-Forming Inverter-Based Resources in Modern Power Systems

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Meng Huang

Wuhan University

Transient Support Technique For Grid-forming Converters

Best Paper Award-First Prize



Renan Pillon Barcelos; Nikolina

Djekanovic; Drazen Dujic

École Polytechnique Fédérale de

ID-16

Static and Dynamic Voltage Balancing for an IGCT-Based

Resonant DC Transformer



Kaihui Tang; Yue Hui; Ke Chen;

Jiande Wu; Xiangning He

Zhejiang University

ID-155

Talkative Power Conversion Strategy Based on Direct Sequence

Spread Spectrum with Gold Sequence



Ziheng Xiao; Yu Jiang; Chang

Wang; Yi Tang

Nanyang Technological University

ID-220

A Streamlined and Intuitive AI-Powered Analysis and Design

Tool for Resonant Converters

Best Paper Award-Second Prize



Million Gerado Geda;

Huigyeong Song; Ba Phu Do;

Sewan Choi

ID-510

Light Load Efficiency Enhancement Strategy for Single-Stage

AC-DC by Using Adaptive Switching Frequency



Hongyuan Zhao; Xinbo Ruan;

Chaochao Shen

Nanjing University of Aeronautics

ID-919

Research on Three-phase LLC Resonant Converter Suitable for

Electro-propulsion Power Supply



Yaogan Liang; Hiroki Yano;

Haoxi Zhou; Katsuhiro Hata;

Makoto Takamiya

ID-954

Bond Wire Lift-off Sensor Circuit for Power Devices Integrated in

Gate Driver IC



Nianzhou Liu; Mingqi Zhang;

Jupeng Pang; Pengfei Xie;

Changqing Qiu; Kui Wang;

Yongdong Li

ID-1010

Analysis and Suppression of Voltage Overshoot in Symmetrical

Hybrid Five-level Converter



Cheng Ai; Yitong Li; Chunpeng

Li; Yuexi Yang; Minsung Kim;

Jinjun Liu

ID-156

Grid-Forming Capability Transfer and Active Power Flow Control

Piezoelectric Based Class-E Resonant Inverter for Driving

Surface Dielectric Barrier Discharge Plasma

in a VSC-HVDC System

Best Poster Award



Mingyu Yang; Eric Stolt; Zhechi

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Ye; Juan Rivas-Davila

Tsinghua University

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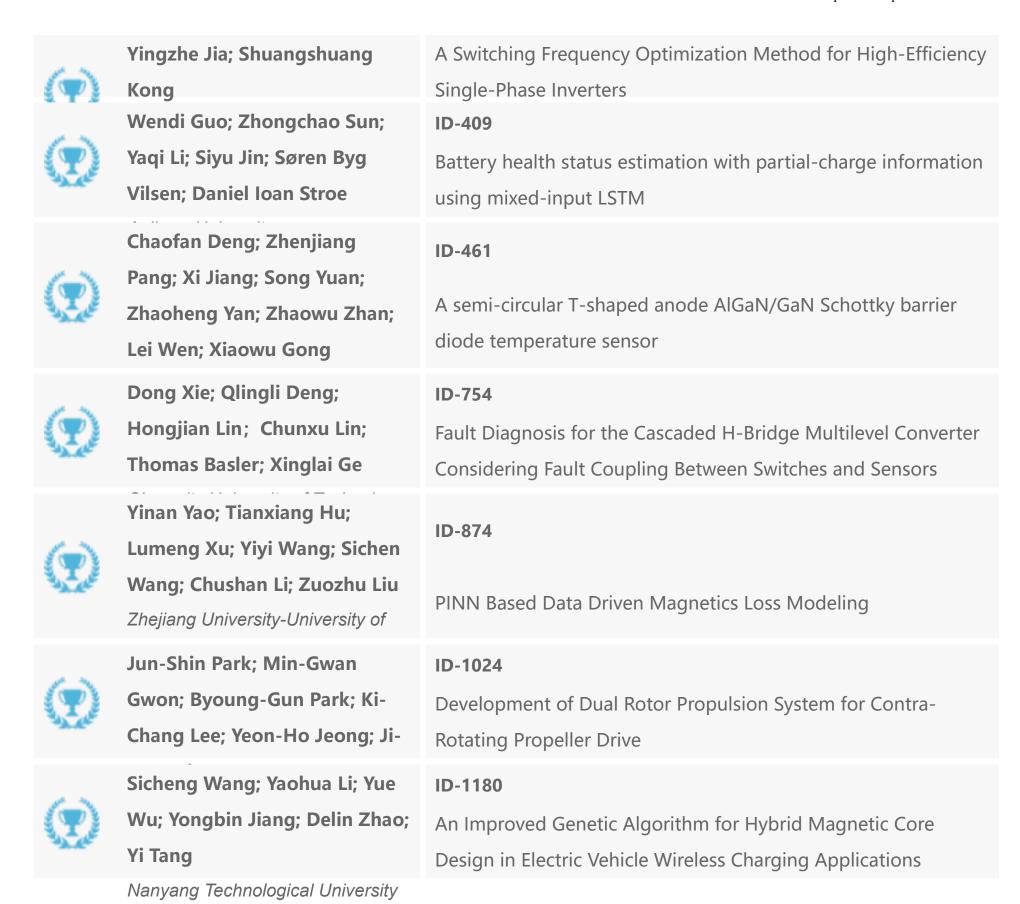
Junming Cao; Jiayu Hu;

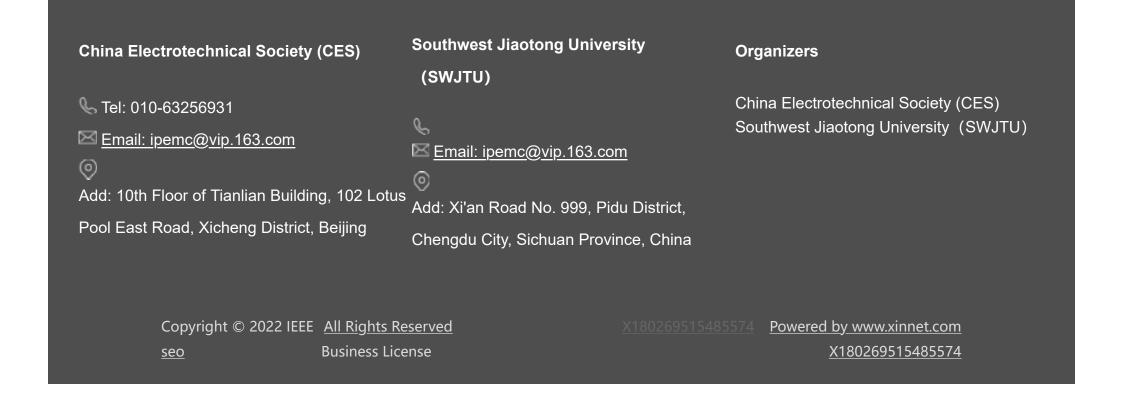
Qianming Xu; Peng Guo;

ID-248

ID-101

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