IEEJ International Industrial Application Symposium 2024, Nagasaki, Japan

Next-Generation of Power Electronics Technology Attracting Attention in the Global Consumer Electronics - V2X, WPT, VPP, PV, FC, EV, AI, Advanced generation power devices

Welcome to the IEEJ (Institute of Electrical Engineer Japan) International Industrial Application Symposium in Nagasaki Japan on November 8. 2024, where the next-generation technology trends in the global consumer electronics such as V2X, WPT, VPP, PV, FC, EV, AI, and new power devices awaits! The symposium is organized by IEEJ Home and Consumer Appliances Technology Committee, in collaboration with ICRERA (International Conference on Renewable Energy Research and Applications) 2024. Knowledgeable lecturers from around the world will be gathered to predict the future of noteworthy technologies and business. We look forward to welcoming you to Nagasaki for the impactful symposium!

Date: 13:20 - 16:50 November 8. 2024

Venue: Dejima Messe Nagasaki (Same venue of ICRERA2024) 103 room
4-1 Onoe-cho, Nagasaki City, 850-0058, Japan
(5min walk form the west exit of JR Nagasaki Station)
https://dejima-messe.jp

Participation fee: Free.

Application: The IEEJ website https://www.iee.jp/blog/forum/
or
e-mail: masaki.kono@daikin.co.jp (IEEJ HCA Secretary)
Deadline: November 1st 2024
Remarks: Symposium participants can register for ICRERA2024 at member fee.

Organizer: IEEJ Home and Consumer Appliances Technology Committee
(Chair: Akio Yamagiwa)

Co-organizer: ICRERA2024 (General Chair: Prof. Fujio Kurokawa)
IEEJ Semiconductor Power Conversion Technology Committee
Automotive Technology Committee
Smart Facility Technology Committee.

Sponsor: Japan Power Electronics Society
IEEE IES Japan Joint Chapter.

[Program]

13:20-13:25 Opening

13:25-13:55 “Power Electronics for Data Center Industry-Status and Future.”
Dehong Xu and Yenan Chen, ZHEJIANG UNIVERSITY, China

13:55-14:25 “Design of Bidirectional On-Board Charger for G2V and V2X Applications.”
Huang-Jen Chiu, National TAIWAN UNIVERSITY of SCIENCE and TECHNOLOGY, Taiwan

14:25-14:55 “Prospects for Next-Generation Semiconductors Contributing to Power Electronics in the Consumer Sector.”
Erwin Ysewijn, SEMICRON DANFOSS K.K., Germany

15:05-15:25 “Recent Power Electronics Technology Aiming for Simplicity, Integration, and Harmony of Air Conditioning Equipment.”
Koichi Arisawa, MITSUBISHI ELECTRIC Co., Japan

15:25-15:45 “Power Devices in Wireless Power Transfer Systems for Electric Vehicles.”
Tatsuya Yanagi, ROHM Co., Japan

15:45-16:05 “Development of Optimum Current Waveform for Electrolytic Capacitor-less Inverter”
Nobuo Hayashi, DAIKIN INDUSTRIES, Japan

16:05-16:25 “Energy Management Coordinated for School and Home Utilizing Electric Vehicles and Thermal Systems.”
Toshiyuki Fujita, The UNIVERSITY of TOKYO, Japan

16:25-16:45 “XEVs and City Cooperated Energy Management.”
Masato Ehara, TOYOTA MOTOR Co, Japan

16:45-16:50 Closing