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Exhibition & Technical Tour

This conference will be held in conjunction with the 9th International Electrical Vehicle Expo (IEVE). Many official events and exhibitions on EV/PHEV, E-mobility, Battery & Charger, New Renewable Energy and Smart Grid will be held.

Venue

224 Jungmungwangwang-ro, Seogwipo City, Jeju
Special Self-Governing Province, 697-120, Republic of Korea



Korea Institute of Electrical Engineering

International Conference on
Electric-Vehicle, Smart-Grid and
Information Technology

ICESI 2022



First Announcement and
Call-for-Papers

May 4 - 6, 2022
ICC JEJU, Jeju, Korea

<https://www.icesi2022.org>

Scope

EV and renewable energy are seeing a rapid growth in numbers, hence EV charging load and renewable generation increasingly challenge the existing power system. The impact of the intermittent renewable electricity production and the significant increase in load caused by the EV charging must be anticipated in a robust manner. It is time to profoundly discuss challenging issues of operating EV in conjunction with renewable energy resources and integrating in Smart grid in efficient and reliable ways. The scope of this conference will include following topics:

- Smart Grid, Electrical Infrastructure, and V2G/V2I Applications
- Connected and Automated Vehicles, Smart Mobility, Intelligent Transportation Systems, and Vehicle Security
- Power System Stability and Reliability
- Blockchain/AI/Bigdata for Electric Vehicles Autonomous Vehicles and Smart Grid
- IoT Connectivity and Smart City
- Optimal Design, Control and Operation of Renewables
- Intelligent Integration of Renewable and Energy Storage Systems
- Modelling and Control of Prosumer Resources
- Transaction-based P2P Energy Management System
- Power Electronics and Electric Motor Drives
- Electric Machines and Actuators
- Battery, Battery Management Systems, Chargers and Charging Infrastructures
- Grid Codes, Standards, Politics, and Regulations for Transportation Electrification
- Electric Vehicle and Product Design
- Materials for Electric Vehicle

Deadlines

Extended abstract submission deadline: Mar. 21, 2022
Early registration opening: Mar. 21, 2022
Notification of acceptance: Apr. 7, 2022

Call for Sponsorship

We welcome sponsorship from industries, businesses, organizations, associations, regulators, schools and international bodies that wish to showcase products and services. We have put together a number of different packages to provide a level of participation that meets every need. We are open to other suggestions from sponsors as well. For more information visit the symposium website: <https://www.icesi2022.org>

Hosted by

**Korea Institute of Electrical Engineering(KIEE)
KIEE Electric Vehicle Research Society**



Co-sponsored by

IEVE (International Electric Vehicle EXPO)
ICROS (Institute of Control, Robotics and Systems)
IFAC (International Federation of Automatic Control)
Asian Control Association (ACA)
GEAN (Gloval EV Association Network)
**Korean Society for Big Data Service KIPS
(Korea Information Processing Society)**
Korea Institute of Information Scientists and Engineers
The Korean Society of Smart City



Paper Submission

- Extended abstract (4-6 pages and 1MB file size, in word and pdf. format complying with ICESI guidelines) relating to one or more of the topics are encouraged. Subject to reviews
- Industry and Student paper (2 pages, in word and pdf)
- Paper submissions are available on the official website(www.icesi2022.org).

Selected papers will be recommended to the review process for the possible publication in the Journal of Electrical Engineering & Technology (SCIE Indexed Journal).

Jeju and Visits

Jeju is an island located in south-west of the Korean Peninsula. It is the biggest island of Republic of Korea. Basalt rocks cover more than 90% area of this volcanic island. Island strategically positioned connecting Russia, China and Japan, South-East Asia. A universal recreational island with beautiful natural landscape as a gift nature. The island is oval-shaped with Halla Mountain in the center stretching 73km from east to west and 41km from north to south. The island with ring road (Ilju Road) of 181km and a coastline of 258km, where the temperature does not reach subzero levels (in most cases) even in winters. The venue of the conference is located in Jungmun Resort Complex which is ocean-front resort-style venue. Jeju is a testbed for an electric vehicle charging infrastructure and an intelligent transportation service model. Roughly 15,000 rapid-charging stations are expected to be operating by 2030. South Korea announced the 'Carbon-Free Island Jeju by 2030', a plan supporting the shift to renewable energy. This project will make Jeju Island carbon-free and a green city by 2030.

Contact

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