

Special Session on

E-Mobility and Power Electronics Components

Organized and co-chaired by

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Technical Outline of the Special Session

The purpose of this special session is to collate innovative research on power electronics solutions for E-mobility. To address recent breakthroughs in power electronics technology for E-mobility, the following characteristics should be explored in depth: high power efficiency, high power density, high reliability, and cost competitive. This special session welcomes the submission of manuscripts for devices, circuits, and control techniques for power electronics components in E-mobility.

Topics of the Special Session

- Transportation electrification for EV and Urban Air Mobility (UAM) applications
- Power electronics in transportation and mobility
- Advanced power converters for E-mobility
- Control and devices for E-mobility.
- EV charging and its application.

Important Dates

- Digest Submission Deadline – 30th of June.
- Notification of Acceptance – 18th of August
- Final Paper Submission – 29th of September

Digest Template and Submission Information

<https://spec-ieee.org/spec2024/digest-submission/>

Digest Submission Link

<https://easychair.org/conferences/?conf=ieeespec2024>