



FOCUS TOPICS OF THE E-MOBILITY SYMPOSIUM

E1. Power System Aspects related to EV Grid Integration

- E1.1 Power System Experience with EV Grid Integration
- E1.2 Power System Aspects with High Shares of Charging Stations
- E1.3 Distribution Grid Issues with High Shares of Charging Stations
- E1.4 Grid Integration Modelling Aspects
- E1.5 AI and Machine Learning for Grid Integration
- E1.6 Operational Resilience in Face of Cyber-attacks

E2. Charging Infrastructure

- E2.1 Charging Infrastructure Planning + Smart Charging
- E2.2 Charging Infrastructure Planning in Distribution Grids
- E2.3 Charging Infrastructure Planning for Mega Watt/ Truck Chargers

E3. Charging Station Design Aspects

- E3.1 Charging Methods (AC, DC, Wireless) + Standardization of Charging Modes/Communication
- E3.2 High Power Charging/MW Charger Design

E4. Vehicle to Grid (V2G)

- E4.1 Vehicle to Grid (V2G) Experience
- E4.2 Vehicle to Grid (V2G) and Ancillary Service Participation
- E4.3 International Rules and Regulations

E5. Grid Code Aspects for Charging Stations

- E5.1 Grid Code Aspects Related to Charging Infrastructure
- E5.2 Charging Stations and Grid Forming Aspects
- E5.3 Communication and Security Aspects



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E6. Market, Regulation, and Policy

E6.1 Market and Regulatory Aspects

E6.2 Mobility as a Service

E7. Decarbonization and Energy Transition

E7.1 Decarbonization of Energy Sectors

E7.2 Decarbonization of Transport with Green Hydrogen

E7.3 E-Mobility and Renewable Energy Integration

E8. Electrification of Transport and Urban Mobility

E8.1 Electrification of Urban Mobility

E8.2 Other E-Transport such as E-Marine, Shore Power, E-planes