Call for Papers
IEEE Transactions on Transportation Electrification

IEEE Transactions on Transportation Electrification (TTE) is focused on components, sub-systems, systems, standards, and grid interface technologies related to power and energy conversion, propulsion, and actuation for all types of electrified vehicles including on-road, off-road, off-highway, and rail vehicles, airplanes, and ships. Prospective authors are invited to submit original contributions or survey papers for review for publication in TTE. Topics of interest include (but are not limited to):

- Hybrid electric vehicles (HEVs)
- Plug-in hybrid electric vehicles (PHEVs)
- Electric vehicles (EVs)
- Range-extended EVs
- Hybrid and electric powertrains
- Vehicular power electronics, electric machines, and motor drives
- Propulsion systems
- Electronic control units
- Charging stations
- On-board and off-board chargers, fast chargers, and opportunity chargers; inductive charging
- Dynamic charging in roadways
- Vehicle-to-grid (V2G), vehicle-to-infrastructure (V2I), and vehicle-to-home (V2H) interfaces
- Grid interface technologies
- Utility issues related to plug-in vehicles and other grid-interactive transportation
- Vehicle-to-grid communication and control
- Vehicle connectivity modules
- Energy storage systems
- Batteries for mobile transport
- Battery management systems
- Mass transit/public transportation electrification
- Electrification of heavy-duty and off-road vehicles
- Electrified defense vehicles
- Electrification of trains and rail vehicles
- Electrification of sea, undersea, air, and space vehicles
- Applications of fuel cells in transportation
- Emissions and environmental impacts of transportation electrification
- Standards
- Source-to-wheel (STW) energy and supply-chain analysis


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