Technical Track on Transportation Electrification and Automotive Technologies

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Technical Track on Transportation Electrification and Automotive Technologies is concerned of providing a common platform to Scholars and Professional from Academics and Industries to discuss the present and future need of the aspects of on-board power electronics and drives for traction and grid interface system for bi-directional power flow between grid and vehicles including on-board and off-board energy management and communication.

Topics of interest of the technical track are but not limited to:

- Automotive power electronics and traction drives
- Utilization of onboard energy sources such as batteries, fuel cells, ultra-capacitors, photovoltaic panels etc.
- Onboard and off-board energy storage/supply systems and power flow management
- Conductive and contactless Fast Chargers and charging algorithms.
- Onboard and offboard chargers with bidirectional energy exchange between vehicle and grid, opportunistic chargers
- Energy harness and recovery from vehicle dynamics
- Traction machine designs and control strategies
- Fault tolerant high-performance traction drives
- Vehicular communication and control
- Connected vehicles

IEEE IES Technical Committee Sponsoring the Technical Track:

- Transportation Electrification

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Author’s schedule:

- Deadline for submission of papers
  May 1, 2018
- Notification of acceptance
  July 15, 2018
- Deadline for submission of final manuscripts
  September 7, 2018

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