

# CALL FOR PAPERS



## Technical Track on Transportation Electrification and Automotive Technologies

IECON 2018 - The 44<sup>th</sup> Annual Conference of the IEEE Industrial Electronics Society  
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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

<http://www.iecon2018.org>