

# CALL FOR PAPERS



## Special Session on *Modeling, management and control of energy storage systems in electric vehicles*

IECON 2018 - The 44<sup>th</sup> Annual Conference of the IEEE Industrial Electronics Society  
October 21-23, 2018, Washington D.C, USA



### TOPIC OF THE SPECIAL SESSION

Transport electrification represents one of the most important revolutions involving energetic sectors. In this context, energy storage systems are surely a key technology for enabling the transition to a more sustainable transport system. In full electric vehicles, energy storage systems are of fundamental importance for storing a suitable amount of energy on board in order to ensure the desired mile range; furthermore, hybrid propulsion systems may resort to energy storage systems in order to improve overall performances. This special section focuses on the most recent improvements and future trends related to the employment of energy storage systems in electric vehicles that aim to make them more affordable, reliable, and competitive, as well as on planning methodologies and management strategies of charging infrastructures for electric mobility systems. The authors are invited to submit their contributions on the topics that include, but are not limited to, the following research and technology areas:

#### Topics of the Session

- Batteries, ultracapacitors, flywheels, superconducting energy storage systems, fuel cells
- New storage technologies
- Modelling of energy storage systems
- Energy management strategies of energy storage systems
- Hybrid energy storage systems (new topologies, control strategies, etc.)
- Full electric and hybrid electric propulsion systems
- Automotive, marine, rail, aerospace applications
- Planning and management of charging infrastructure

IEEE IES Technical Committee Sponsoring the Special Session: Transportation Electrification Committee

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### Author's schedule:

- Deadline for submission of special session papers: May 1, 2018
- Notification of acceptance: July 15, 2018
- Deadline for submission of final manuscripts: August 1, 2018

For additional information please visit [www.iecon2018.org](http://www.iecon2018.org)