

# CALL FOR PAPERS

## Special Session: **Sustainable Transportation**

Organizers:

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Dear Colleagues,

The organizers of this special session invite you to participate in ROPEC 2018 and submit papers focused on recent advances related to Sustainable Transportation. Emerging transportation technologies conceive the vehicle of the future as environmental friendly, web-connected, intelligent, comfortable and autonomous to accomplish more efficiently the task of transporting people and merchandise, in intelligent and communicated transportation infrastructures. This session welcomes contributions focused in theoretical and experimental aspects of every engineering application of the so called “new vehicle technologies” that include: transportation electrification, high power density electronics, automotive motors and drives, autonomous driving, information security and vehicle communications, among many others. Papers of successful experiences of product developments in these areas are very welcome, as long as they are centred on engineering aspects.

Potential topics of the Session include but are not limited to the following:

- Fuel cells, batteries and other forms of energy storage in transportation
- Power train design and power management
- High power density converters for Electric Vehicles
- Power control and quality management
- New generation of magnetic components and devices
- Advances on heat power transfer for vehicle power electronic converters
- Emerging vehicle control techniques
- Advanced electric machines and drives for electric vehicles
- Intelligent transportation, safety and comfort
- Autonomous and semiautonomous vehicles
- Vehicle-to-vehicle/infrastructure communications
- Image and signal processing for vehicles

All accepted and presented papers in the conference will be published in the proceedings of ROPEC 2018 and will be indexed by IEEEExplore.

General information regarding manuscript submission important dates, conference fees, local accommodation can be found at the ROPEC page at: <http://ropec.org>.

Sincerely yours,

Organizer committee

