

CALL FOR PAPERS**to Special Session on**

**Electrified Vehicle and Its Control – Recent Advances,
Open Challenges, and Future Directions**

Theme: The electrified vehicle and its control become popular and their demand is exponentially raises in last two decades. The electrified vehicle includes battery electric vehicles (BEVs), hybrid electric vehicles (HEVs), plug-in hybrid electric vehicles (PHEVs), and electric vehicles (EVs). This electrified vehicle gives better performance than conventional vehicles in all aspects. It is smarter, more flexible in control, reliable performance and long life. This special issue deals with the recent advances, open challenges, and future directions of electrified vehicle and its control.

In particular, we look the state of art research and recent advancement on technologies related to electrified vehicle and its future direction. We seek originally completed and unpublished work not currently under review by any other journal. General topics of interest include (but are not limited to):

- Power Electronics and its control for electric vehicle
- Novel converter topologies for EV applications
- High gain DC-DC converters for LV battery charger
- Control Framework: supervisory control and multi-charging port
- IoT enabled charging infrastructure and its control
- Monitoring/Control Security: battery SoC based decision making, accurate prediction and measurement
- Performance of Electric Vehicles with various control strategies
- Battery storage systems with bidirectional DC-DC/DC-AC converters
- On-board and off-board chargers
- Vehicle-to grid (V2G) and grid-vehicle (G2V) integration and its control.
- Solar operated EVs and its design

Manuscript Preparation and submission:

Extra pages beyond this would require additional page length charges. The IEEE paper template can be downloaded from the link given below.

http://www.ieee.org/conferences_events/conferences/publishing/templates.html.

For submission details please click below,

<http://www.tencon2019.org/submissions.html>

Guest Editors:

1. Dr. Kumaravel S, Assistant professor, Dept. of Electrical Engineering, NIT Calicut, Kozhikode. Email : kumaravel_s@nitc.ac.in	2. Dr. V. Karthikeyan, Assistant professor, Dept. of Electrical Engineering, NIT Calicut, Kozhikode. Email : karthikeyan@nitc.ac.in
---	--
