



Call for Papers

CPSS Transactions on Power Electronics and Applications

Special Issue on Vehicle Electrification, 2018

Scheduled Publication Time: September 30, 2018

Electric, hybrid and fuel cell vehicles have attracted significant attention in the past decades due to their distinguish advantages to reduce fossil fuel consumption and improve the environment. Electric vehicles use electronic subsystems – in comparison to conventional vehicles, which include electric machines, power electronics, electronic continuously variable transmissions (CVT), on-board chargers, and embedded powertrain controllers. Advanced energy storage systems, such as Li-ion batteries, ultracapacitors, and fuel cells, together with intelligent energy management algorithms, are introduced in the next generation powertrains. In addition to these electrification components or subsystems, conventional internal combustion engines (ICE), mechanical and hydraulic systems may still be present. As a result, the complexity of new powertrain designs and dependence on embedded software is a cause of concern to automotive research and development efforts. This leads to an increasing difficulty in predicting interactions among various vehicle components and systems.

Prospective authors are invited to submit original contributions or survey papers for peer review for publication in CPSS Transactions on Power Electronics and Applications. Topics of interest of this Special Issue include, but are not limited to:

- Electric drivetrains
- Inverters for EV drives
- DC-DC converters
- Battery management systems
- Wireless charging
- Conductive charging
- Powertrain control
- Fuel cell vehicles
- Energy management
- NVH of electric and hybrid vehicles

The manuscripts should be submitted through Manuscript Central at <https://cn03.manuscriptcentral.com/tpea-cpss>. Submissions must be clearly marked “Special Issue on Distributed Energy Resources, 2018” on the cover page. The information about manuscript preparation and requirements is provided on http://tpea.cpss.org.cn/a/For_Authors/. Manuscripts submitted to this Special Issue will be reviewed and handled by the guest editorial board as noted below.

Deadline for Submission of Manuscripts: August 1, 2018

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Proposed Timeline:

- August 1, 2018 – Manuscripts submission deadline
- September 1, 2018 – Final acceptance notification
- September 30, 2018 – Camera-ready manuscripts for publication