



CALL FOR PAPERS



for Special Section on

“Cyber-Physical Systems in Green Transportation”

Theme Ground mobility is being in a paradigm shift towards more efficient and green transportation. Meanwhile, wireless networking, sensing, computing and control advances have changed the way that society interacts with the physical world. In the context of Cyber-Physical Systems (CPS), transportation systems become highly multidisciplinary and require an ever increasing combination of mechanical, electrical/electronic, control and information disciplines.

The objective of this special issue is to compile recent research and development efforts contributing to advances in cyber-physical system based green transportation. The Focused Section will also welcome contributions addressing the state-of-the-art in associated developments and methodologies, and the perspectives on future developments and applications. High-quality articles are invited that explore this growing area and provide vision for future research activities.

Prospective authors are invited to submit manuscripts for review for publication in this special issue. Original research and practical contributions as well as surveys and state-of-the-art tutorials are welcome.

Topics of interest include, but are not limited to

- Dynamic modeling and controls of transportation CPS
- CPS-based design optimization of transportation
- Energy storage technologies
- Power electronics
- Electric drive systems
- Wireless charging technologies
- Advanced electric vehicles (EVs)
- Automated and connected vehicles
- Synergy of EVs and smart grid

Manuscript Preparation and Submission

Follow the guidelines in “Information for Authors” in the IEEE- IES website: <http://www.ieee-ies.org/pubs/transactions-on-industrial-informatics>

Please submit your manuscript in electronic form through Manuscript Central web site:

<https://mc.manuscriptcentral.com/tii> . On the submitting page #1 in popup menu of manuscript type, select: SS on **Cyber-Physical Systems in Green Transportation**

Submissions to this Special Section must represent original material that has been neither submitted to, nor published in, any other journal. Regular manuscript length is 8 pages, additional 4 pages may be allowed for a fee.

Note: The recommended papers for the section are subject to final approval by the Editor-in-Chief. Some papers may be published outside the special section, at the EIC discretion.

Timetable: **Deadline for manuscript submissions** **September 30, 2017 (Extended to Nov. 30, 2017)**
 Expected publication date (tentative) **April 2018**

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