



IEEE Transactions on Industrial Informatics

CALL FOR PAPERS

for Special Section on



"Next Generation Intelligent Maritime Grids"

The Theme: Digital transformation and greener maritime industry go hand-in-hand, as maritime grids become smarter, cleaner and more efficient. Maritime grids like those installed in ships, ferries, and vessels are defined as local electrical networks, including generation, storage and critical loads, able to operate either in grid-connected when they are in the sea or in islanding mode when they arrive to the seaports.

The objective of this special issue is to address and disseminate latest results of R&D activities on the next-generation intelligent Maritime Grids (IMGs) in a way to make such smart networks cost-effective and emission-aware at terminals, ports or any systems aboard. This can also accelerate deployment of intelligent automation systems and real-time middle-ware technologies together with alternative design and control architectures for different maritime grids and help to expand infrastructures and to upgrade technology for supplying modern and sustainable onshore and onboard energy services.

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):

- Onshore/Onboard smart microgrids
- IMG automation and optimization
- New hybrid technologies for the control of complex IMGs
- State-of-the-art protection systems and technologies for AC and DC IMGs
- Resilient, sustainable and green maritime grids
- Knowledge-based energy/power management systems
- Intelligent ports/terminal design and control
- Automated vessel's handling systems
- IMGs interoperability and human machine interfaces
- Integrated ICT and ITS solutions for higher sustainability, safety and security
- Internet of things (IoT)-based infrastructures for IMGs operation management and control
- Cyber security and risk management
- Big Data, analysis and intelligence to drive efficiencies and profits for IMGs

Manuscript Preparation and Submission

Follow the guidelines in "Information for Authors" in the IEEE Transaction on Industrial Informatics <http://tii.ieee-ies.org/>
Please submit your manuscript in electronic form through Manuscript Central web site: <http://mc.manuscriptcentral.com/tii>. On the submitting page #1 in popup menu of manuscript type, select: SS on Next Generation Intelligent Maritime Grids

Submissions to this Special Section must represent original material that has been neither submitted to, nor published in, any other journal. Extended versions of papers previously published in conference proceedings may be eligible for consideration if conditions listed in <http://tii.ieee-ies.org/o/PC.pdf> are fulfilled. Before submitting manuscript check the review criteria (<http://tii.ieee-ies.org/o/RC.pdf>) and other information (<http://tii.ieee-ies.org/o/DI.pdf>)

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.

Important Dates: June 30, 2017: Deadline for the submission of full-length articles

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Editor-in-Chief: **Ren Luo**, <http://tii.ieee-ies.org/> renluo@ntu.edu.tw tel: +886-2-3366-9822 fax: +886-2-3366-9823
Professor at National Taiwan University, Taiwan.