



## IEEE Transportation Electrification Community eNewsletter

The IEEE Transportation Electrification Community (TEC) eNewsletter is a quarterly electronic publication targeted at IEEE TEC members interested in various topics which are related to transportation electrification. Each quarter, the TEC newsletter will focus on a theme, and articles will address state-of-the-art as related to that theme. Land, marine, and aerospace transportation applications are all of interest.

The goal of the TEC eNewsletter is to bring global experts from industry, academia, and government, to share early thoughts, findings, and concerns that can trigger further discussions through the newsletter itself, in addition to TEC-affiliated workshops, conferences, and publications. News regarding major breakthroughs that can transform transportation electrification, new transforming products, as well as transportation-electrification-related activities are also of interest.



### Call For Articles

#### 2021 Third Quarter Theme: Marine Transportation Electrification

Articles in the area of marine transportation electrification are welcome for the 2021 third-quarter newsletter. Topics include but are not limited to Hybrid and Absolute Battery-Operated Marine Power Plants, Pulsed Power Loads – Challenges and Future Outlooks, AI for Electric Ships, Marine CFD Analysis for Sizing, Modeling and Optimization of Marine Electric Powertrain and Energy Sources in Electric Ships and Absolute Battery-Operated Short Endurance Marine Vessels, Power Quality and EMI/EMC issues and mitigation techniques, Electrification requirements and standardization. System-Level Reliability of Power Electronics in Electric Ships, Power Management System, Fault-tolerant Powertrain Architectures for Marine Vessels, Thermal Prediction of Energy Storage Systems, Predictive Maintenance of Converters, and Cyber Security Issues in Electric Ships.

Submissions should be 800-1,200 words and single-spaced and single-column including all figures and references.

Submit your article online at: <https://bit.ly/3h6zhkl>

#### Important Dates:

- Article Submission Deadline: July 30, 2021
- Revised Submission: September 3, 2021
- Reviewer Feedback and Decision: August 20, 2021
- Publication Date: September 2021

#### GUEST EDITORS:

**Thanga Raj Chelliah**  
*Indian Institute of  
Technology Roorkee*

**Cheng Siong Chin**  
*Newcastle University*

**Amit Gupta**  
*Rolls-Royce Electrical –  
Singapore*

**Dinesh Kumar**  
*Danfoss Drives A/S,  
Denmark*

**Subham Sahoo**  
*Aalborg University,  
Denmark*

To see past issues, please visit: <https://tec.ieee.org/newsletter/past-issues>