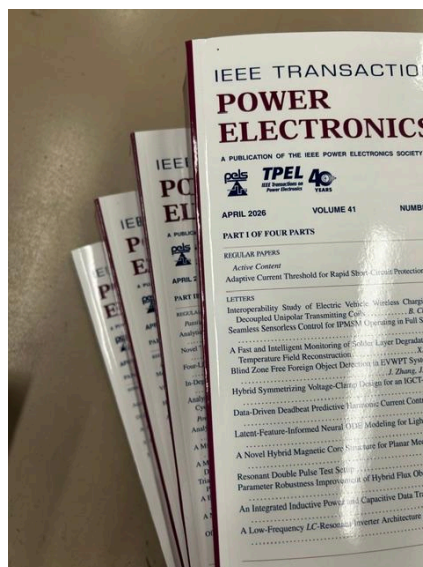


Products Newsletter July 2026 | Issue 72

Publications Survey: TPEL Print Version

The IEEE Power Electronics Society (PELS) would like your feedback. Should the monthly **print** version of *IEEE Transactions on Power Electronics* (TPEL) continue? We share the following example of the April 2026 issue. This four-part issue was manually placed in cartons for mailing. The total weight of one package was 13 lbs. Please check yes or no. You also may add comments. Here is the [link](#) to the survey. Survey deadline: July 31, 2026. Thank you for taking the time to complete this survey.



Pubs Education: Impact Factor News

Dr. Ryan Li, VP of PELS Products, and PELS President-Elect, is pleased to announce that the latest Impact Factors (IFs) of our publications now are available. “Thanks to the dedication and hard work

of our Editors-in-Chief, editorial boards, reviewers, and volunteers, together with the continued support of our authors and readers, all of our publications have achieved positive growth this year.”

IF: 7.1 – *IEEE Transactions on Power Electronics* (TPEL) continues to reinforce its position as the flagship journal of our Society.

IF: 8.5 – *IEEE Transactions on Transportation Electrification* (TTE) maintains its significant impact and strong upward trajectory.

IF: 4.8 – *IEEE Open Journal of Power Electronics* (OJPEL) continues to expand its influence and visibility.

IF: 5.7 – *IEEE Journal of Emerging and Selected Topics in Power Electronics* (JESTPE) has further strengthened its role in showcasing emerging and selected areas of innovation in power electronics.

IF: 2.6 – *IEEE Power Electronics Magazine* (MPEL), as a membership benefit publication, continues to broaden its reach across the community. While Impact Factor is not a primary metric for the magazine, this result nonetheless reflects its growing visibility and relevance within the power electronics community.

“I am very pleased to see the growing influence of PELS publications. Congratulations to everyone involved on another successful year.”

Meet the 2026 PELS Members-at-Large Petitioners

The 2026 petitions for Members-at-Large are live! Visit the PELS website to read about our volunteers and sign their petitions. Click [here](#) for more information.

IEEE Power Electronics Magazine



Magazine Receives 2026 APEX Awards for Publication Excellence

Congratulations to authors Victor Veliadis and Thomas M. Jahns and the editorial team of *IEEE Power Electronics Magazine*!

Winner Status: Award of Excellence

Category: Writing / Topics > Technical and Technology Writing

Title: **Monolithic Bidirectional Lateral GaN Switches Reinvigorate Power**

Electronics Applications

(*IEEE Power Electronics Magazine*, Vol. 12, Issue 1, March 2025.)

The **June 2026** issue will be live on *Xplore* soon. Here is a preview of some of the content. The theme is Motor Drives and Robotics. Some of the features planned include the following.

- Driving Smart Actuators in Humanoid Robots
- Commercialization and Cost-Optimization of a Hybrid Si/SiC EV Traction Inverter
- Weight Reduction for Airborne Electric Motors Due to Higher Frequency Operation
- Bio-inspired Power Electronics Systems: A Path Towards Extreme Resiliency
- The Time Dependence of Reverse Recovery Charge in Advanced Power Applications
- FEPPCON XII: Sustainable Power Electronics Technology
- Tales of a Cycling Power Electronics Engineer
- And an exclusive feature - stay tuned!

Call for Society News: December 2026 Issue

Deadline: August 15, 2026

Please send in your Chapter Events (guest speakers, workshops, social functions) and Chapter Community Service. News submissions can be **emailed** to Mary Beth Schwartz, PELS Publications Administrator.

Discover Previous Issues

For more editorial from previous issues of the magazine, please visit our [website](#). You will find Open Access columns, podcasts, and much more.

Submit a Feature Proposal

In addition to solicited articles, the magazine also accepts articles contributed by practicing power electronics engineers, experienced designers, and researchers from either industry or academia. These articles offer effective use of the state-of-the-art electronic components and semiconductor devices, application of control theory and circuit design techniques, and the development of analytical tools used in efficient and effective energy conversion, control, utilization, and conditioning of electric power. If you are interested in contributing an original article, please [email](#) an abstract of the article (less than 250 words) to the Editor-in-Chief. The abstract should be a one paragraph description of your topic of interest, explaining why it is important and what new information or value it brings to the readers of *IEEE Power Electronics Magazine*.

IEEE Transactions on Power Electronics (TPEL)

TPEL July 2026

Check out the [July 2026](#) Issue of TPEL. It features 149 papers, 11 of which are Letters.

Note on TPEL Policy on Experimental Results

Experimental results obtained from a full-hardware test setup are generally required for publication in *IEEE Transactions on Power Electronics*. In exceptional cases where even downscaled experimental validation cannot be provided; the authors must clearly justify why hardware-in-the-loop testing is sufficient for validating the claims made in the paper.

Call for TPEL Associate Editors

Would you like to be a part of the *IEEE Transactions on Power Electronics* AE team? We are currently accepting applications for new Associate Editors.

[Minimum Requirements for AE Applicants](#)

IEEE Senior Member or the equivalent number of years.

Applicants from Academia: 8 or more journal papers in the last 5 years, of which, at least 4 should be in *IEEE Transactions on Power Electronics*.

Applicants from Industry: 2 or more journal papers in the last 10 years, of which, at least 1 should be in *IEEE Transactions on Power Electronics*.

The Application Package

1. A recent CV.
2. A list of published journal papers and patents in the last 10 years.
3. At least one recommendation letter.
4. TPEL AE Application Form.
5. A list of 10 reviewers to add to the reviewer pool of TPEL.
6. A completed AE topic questionnaire.

For more information, visit the TPEL [website](#).

IEEE Open Journal of Power Electronics (OJPEL)

Dr. Wenkang Huang, OJPEL Editor-in-Chief, shares two OJPEL papers and their corresponding AI summaries, which are featured on the IEEE Industry Content Platform.

“A New Soft-Switched High Step-Up Trans-Inverse DC/DC Converter Based on Built-In Transformer” by Sara Hasanpour, Yam P. Siwakoti, and Frede Blaabjerg.

Xplore: <https://ieeexplore.ieee.org/document/10123956>

AI: <https://icp-beta.ieee.org/article/4952b569-fab8-4084-9ded-cf083176d36b/>

“Data-Driven Cyberphysical Anomaly Detection for Microgrids With GFM Inverters” by Xiaorui Liu and Hui Li.

Xplore: <https://ieeexplore.ieee.org/document/10168219>

AI: <https://icp-beta.ieee.org/article/a67f22a9-b3a8-4c22-b36b-be88d2c04da4/>

IEEE Transactions on Transportation Electrification (TTE)

Manuscript Submissions

Authors are encouraged to submit their manuscripts for publication in TTE. All manuscripts can be submitted through the [IEEE Author Portal](#). To read the June 2026 issue of TTE, please visit [Xplore](#).

IEEE Journal of Emerging and Selected Topics in Power Electronics (JESTPE)

The JESTPE Editorial Board is pleased to announce the recipients of the 2025 Prize Paper Awards, as well as Star Reviewers and Star Associate Editors.

Prize Paper Awards

First Place

“2-kV 1-MW 20000-r/min Integrated Modular Motor Drive for Electrified Aircraft Propulsion”

by Jin Wang, Thomas M. Jahns, Patrick McCluskey, John Kizito, Bulent Sarlioglu, Robert Borjas, James A. Swanke, Yizhou Cong, Zhaoxi Yao, Hao Zeng, Pengyu Fu, and Alec Schnabel. (Vol. 13, No. 1, pp. 394-407)

Second Place

“Zero-Sequence Current Mitigation Using a Virtual Voltage Vector Solution for MPC in Symmetrical Six-Phase Electric Drives With Single-Star and Hexagon Winding

Configurations” by João Serra, Fernando Bento, and Antonio J. Marques Cardoso. (Vol. 13, No. 2, pp. 1601-1614)

“Substrate-Less Power Semiconductor Packaging for the Potential of Recyclability” by Jinxiao Wei, Jinpeng Cheng, Yuxiang Chen, Li Ran, Hao Feng, Homer Alan Mantooth, Frede Blaabjerg, Xu Zhang, Sudharsan Chinnaiyan, and Philip A. Mawby. (Vol. 13, No. 2, pp. 2158-2172)

“Digital Twin Enabled Open-Circuit Fault Diagnosis for Five-Level ANPC Multilevel

Converters” by Majid T. Fard, Benjamin J. Luckett, and JiangBiao He. (Vol. 13, No. 3, pp. 2766-2780)

“Challenges in Zero-Voltage-Switched-On Multi-MHz Multi-kW SiC Full-Bridge Inverter and Oriented Design for High-Power Capacitive Power Transfer System”

by Hua Zhang, Yao Wang, Shuyan Zhao, and Fei Lu. (Vol. 13, No. 4, pp. 4256-4277)

“A Segmented Parallel S/S Compensation Topology and Its Harmonic Suppression Method for IPT System” by Yijie Wang, Jianwei Mai, Ao Yang, Zhigang Liu, Bo Zhang, and Dianguo Xu. (Vol. 13, No. 4, pp. 4315-4325)

“Flying Capacitor Multilevel Converter at Constant Resonant Frequency With Negative-Voltage-Blocking GaN Switch” by Dam Yun, Sunghyuk Choi, and Jung-Ik Ha. (Vol. 13, No. 5, pp. 5492-5506)

Star Associate Editors

Emre Gurpinar
Herbert Ho-Ching Iu
Antonio J. Marques Cardoso
Petros Karamanakos
Debaprasad Kastha
Chi-Seng Lam
Hiroo Sekiya
Hongfei Wu

Star Reviewers

Iman Abdoli
Heri Chavoshpour
Ke-Horng Chen
Ruirui Chen
Kei Eguchi
Zhehui Guo
Sara Hasanpour
Zhicong Huang
Zekai Lyu
Chuan Sun
Junzhong Xu
Jingxi Yang
Jiapeng Yin
Yuji Zeng
Zhanqing Zhou

IEEE Journal on Wireless Power Technologies (JWPT)

The editorial team of JWPT would like to highlight a paper from the WPTCE 2025 Special Issue, which focuses on a key enabling technology: litz wire.

“Litz Wire for High-Power Wireless Charging Systems” by Fraser M. E. McDowell, Carina Damhuis, Patrick A. J. Lawton, Feiyang J. Lin, and Grant A. Covic.

As electric vehicle charging power levels continue to rise, the magnetic components in inductive wireless charging systems must deliver both high efficiency and high power density.

The work by researchers from University of Auckland, Technical University of Munich, and ENRX Group reviews modeling techniques for high strand-count litz wire and experimentally validates loss behavior using samples with up to 16,500 strands.

The study shows that non-ideal wire construction and termination methods can significantly influence alternating-current resistance—an important factor for system-level optimization. These insights are applied to the design of a 75 kW tripolar inductive power transfer pad, achieving quality factors above 850 across all coils.

By combining detailed modeling, experimental validation, and practical design recommendations, this work provides valuable guidance for developing efficient, high-power wireless charging systems for electric vehicles.

Call For Articles

Special Topic Maritime Electrification Technology

IEEE Electrification Magazine

Topics of Interest: Contributions are solicited on topics including, but not limited to:

- Ship-to-shore electric interconnection
- Bidirectional, grid forming/grid following power electronic Converters for maritime installations
- Shaft generator systems (PTO/PTI)
- Maritime Renewable energy sources
- Smart ports and Maritime electricity market
- Electrification as a means towards ship efficiency improvement
- Big data, Cybersecurity, digital twins in maritime electrification
- Real-world demonstrations, pilot projects, and lessons learned
- Maritime Energy Management Systems
- The role of AI and data-driven methods in maritime electrification
- Earthing in maritime utilities
- Power quality in maritime electric grids
- Maritime electric distribution networks.



Submission Deadline: July 1, 2026–August 1st

Visit the web: <https://tec.ieee.org/publications/electrification-magazine/>



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