

IEEE TRANSACTIONS ON POWER ELECTRONICS Milestones

To commemorate the 40th anniversary of IEEE Transactions on Power Electronics (TPEL), we share some historical highlights.

1986

The first issue of TPEL was published in January of 1986. It comprised seven papers and an introductory editorial, totaling 62 pages, with a plan to publish quarterly in January, April, July, and October. 248 pages were published.

In 1994, TPEL became bi-monthly. 656 pages were published that year.

1994

1997

May 1997 saw the first special issue of TPEL: "Computers in Power Electronics."

IEEE Power Electronics Letters begins publishing to fill the need for a focused, rapid-publication archival journal for emerging development in power electronics. Since 2006, Letters has been published as part of TPEL, but continues to have a separate editorial team in order to maintain its focus and to facilitate its rapid publication.

2003

2009

TPEL becomes monthly. In 2009, 3,024 pages are published.

In 2019, the topics grew from 10 to 12. 2019 also saw the new role of Co-EIC added to increase the quality of the review process. Three Co-EICs were added in 2019. The Co-EIC number would grow to 6 in 2021 to accommodate the large number of submissions.

2019

2022

TPEL has a page projection of 16,800 pages.

TPEL continues to set records with paper submissions and in-person conference attendance. For the 2024 issues, the TPEL editorial team published 17,048 pages. TPEL has been the #1 IEEE journal in terms of total usage (including PDF downloads and HTML views) on IEEE Xplore. The numbers for 2024: 5,386,707.

2024

2025

TPEL expands its topics to 14, continues special sections for regular papers and letters, and begins preparations for its 40th anniversary celebration. Click on the QR code for the latest updates.



IEEE TRANSACTIONS ON POWER ELECTRONICS

TPEL Editors

1986

The first editor, Thomas A. Lipo, joins in 1986. TPEL begins with 3 Associate Editors (AEs) in 1986. AEs grew to 7 in 1994, 57 in 2009, 162 in 2022, and in 2025, number over 150!

Richard G. Hoft becomes TPEL EIC.

1991

Arthur W. Kelley becomes EIC.

1999

Jacobus Daniel van Wyk becomes EIC.

2002

2006

Frede Blaabjerg becomes EIC.

Brad Lehman becomes EIC.

2013

2019

Yaow-Ming Chen becomes EIC.

EIC Xiongfei Wang begins his first term for TPEL.

2025



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TPEL Letters Editors

2003

The first editor TPEL Letters EIC is Philip Krein.

Patrick Chapman becomes the Letters EIC.

2007

2008

Jian Sun becomes the Letters EIC.

Henry Chung is appointed as the Letters EIC.

2014

2019

Yunwei (Ryan) Li becomes the Letters EIC.

Xiongfei Wang becomes the
Letters Executive Editor.

2023

2025

Maryam Saeedifard becomes the
Letters Executive Editor.

