

IEEE PEMC 2026

22nd International Power Electronics and Motion Control Conference
Sept. 23-25, 2026 — Tallinn, Estonia

Power Electronics and Motion Control Conference

PEMC



CALL FOR PAPERS



Power Electronics and Motion Control Council



THE KOREAN INSTITUTE OF POWER ELECTRONICS

IEEE PEMC is the biennial conference initiated by the **Power Electronics and Motion Control (PEMC) Council**, which has been standing strong for over 50 years since 1970. It is devoted to modern research topics of power electronics, control systems, electrical drives, robotics, and related topics. This exciting event brings together researchers and industry experts to share ideas and experiences on frontier technologies, breakthroughs, and innovative solutions and applications. It creates an opportunity to meet world-class scientists presenting **keynotes, tutorials, and invited papers**.

Join this event to be among the leaders of society's transformations towards sustainability!

MAIN TOPICS

- Power Electronics and Drives in Transportation
- Power Electronics in Future Power Grids

TOPICS OF INTEREST

- Power Electronics and Drives in Transportation
- Power Electronics in Power Grids
- Power Electronics in Electrical Energy and Heat Generation
- Power Electronics and Drives in Industry
- Power Supplies and Special Converters
- Semiconductor Devices
- Power Electronic Converter Design and Control
- Electrical Machines and Actuators
- Motion Control, Adjustable Speed Drives and Robotics
- Machine Learning in Power Electronics and Drives
- Sensors, Measurement & Observation Techniques
- Education and other related topics
- Multiphase Machines and Drives

SPECIAL SESSIONS

PEMC2026 invites special session proposals on **focused topics** within the conference, convened by 2-4 experts.

PAPER SUBMISSION

Prospective authors are invited to submit **full papers** in English, following instructions on the website. The conference proceedings will be submitted to **IEEE Xplore**.

TUTORIALS

PEMC2026 invites tutorial proposals on emerging topics from academic and industry experts. Companies are welcome to showcase their innovations at the exhibition!

VENUE

The conference will be held at the Original Sokos Hotel Viru.



IMPORTANT DATES

Tutorial proposal submission **1 Feb. 2026**

Special session proposal submission **1 Feb. 2026**

Full paper submission **1 Mar. 2026**

Notification of paper/tutorial acceptance **15 May 2026**

Final paper/tutorial materials submission **20 Jun. 2026**

Early bird registration fee **30 Jun. 2026**

COMMITTEES

CONFERENCE ORGANIZING COMMITTEE

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Hani Vahedi, TU Delft, Netherlands

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R. Rizzo, Università di Napoli Federico II, Italy

T. Roinila, Tampere University, Finland

P. Shams Ghahfarokhi, Tampere University, Finland

A. Shekhar, TU Delft, The Netherlands

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P. Tricoli, University of Birmingham, UK

K. Zawirski, Poznan University of Technology, Poland

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Vinod Yadav, Tallinn University of Technology, Estonia

Salman Khan, Tallinn University of Technology, Estonia

TECHNICAL TRACK CHAIRS

POWER ELECTRONIC CONVERTERS: COMPONENTS, DESIGN AND CONTROL

Yongheng Yang, Zhejiang University, China

Dan Lascu, Politehnica University Timisoara, Romania

Riccardo Mandrioli, University of Bologna, Italy

POWER ELECTRONICS IN POWER GRIDS AND ENERGY GENERATION

Joao Martins, FCT NOVA, Portugal

Enrique Romero-Cadaval, University of Extremadura, Spain

Sertac Bayhan, Hamad Bin Khalifa University, Qatar

POWER ELECTRONICS AND DRIVES IN TRANSPORTATION AND INDUSTRY

Babak Nahid-Mobarakeh, McMaster University, Canada

Gautham Ram, TU Delft, Netherlands

ELECTRICAL MACHINES AND ACTUATORS, INCL. MULTIPHASE MACHINES

Anouar Belahcen, Aalto University, Finland

Ants Kallaste, Tallinn University of Technology, Estonia

MOTION CONTROL, ADJUSTABLE SPEED DRIVES AND ROBOTICS

Anton Rassölklin, Tallinn University of Technology, Estonia

Stijn Derammelaere, University of Antwerp, Belgium

MACHINE LEARNING IN POWER ELECTRONICS AND DRIVES

Wilmar Martinez, KU Leuven, Belgium

Subham Sahoo, Aalborg University, Denmark

EDUCATION AND OTHER RELATED TOPICS

Mariusz Stepien, Silesian University of Technology, Poland

Valery Vodovozov, Tallinn University of Technology, Estonia