



2026

14 - 18 Sept. | Valencia, Spain



ABOUT THE CONFERENCE

ECCE Europe is Europe's leading power electronics conference, attracting experts from around the world to tackle climate and sustainability challenges. **ECCE Europe 2026 in Valencia** will feature a rich program of lectures, poster sessions, industry forums, and technical tours - alongside a dynamic industrial exhibition showcasing the latest technologies and innovations from leading companies in the field. It's a key platform for exchange between academia and industry.

Since 2024, **IEEE PELS** and the **European Center for Power Electronics (ECPE)** have built a continued partnership to jointly organize **IEEE ECCE Europe**. This flagship European conference is part of the ECCE family, where most conferences attract more than 1000 delegates.

General Chair

Prof. Pablo Zumel, Universidad Carlos III de Madrid
Prof. Cristina Fernández, Universidad Carlos III de Madrid



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CALL FOR PAPERS

Submit your latest research to **ECCE Europe 2026** and join the leading community in power electronics and energy conversion. **Share your work, shape the future!**

Paper Digest

Prepare extended digests using the **IEEE conference template**, with a maximum length of **5 pages**. The final paper may consist of up to **6 pages**. (<https://www.ieee.org/conferences/publishing/templates.html>)

During submission, select up to three topics/sub-topics and indicate a preference for dialogue or lecture format. The final presentation format will be decided by the organizing committee.

Conference to Journal

IEEE PELS is offering a **Conference-to-Journal opportunity** for papers accepted to the ECCE Europe conference.

PELS welcomes post-conference papers to be submitted to their journals, including...

- IEEE Transactions on Power Electronics
- IEEE Open Journal of Power Electronics
- IEEE Journal of Emerging and Selected Topics in Power Electronics
- IEEE Transactions on Transportation Electrification



According to IEEE policy, the submitted journal manuscript should include the conference paper as a reference and clarify the new developments and contributions in the journal version.

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Valencia Conference Center
Avda. Cortes Valencianas, nº 60,
46015 València(Spain)
palcongres-vlc.com

ORGANIZERS



uc3m

Universidad
Carlos III
de Madrid



TECHNICAL PAPERS are solicited on any subject pertaining to the scope of the conference including, but not limited to, the following major topics:

1. Power Devices, Components, Packaging and Sustainability

- Silicon Devices and Modules
- WBG (GaN and SiC) and Ultra-WBG Devices and Modules
- Capacitors, Supercapacitors and Battery/Solid State Battery Technology related to power electronics
- Magnetics
- Condition Monitoring, Reliability & Life-Time Prediction

2. Power Converters Topologies

- Single phase and Three phase AC-DC Converters
- DC-DC Converters
- DC-AC Inverters
- Modular Multilevel Converters

3. Converter Modelling, Simulation and Adv. Design Methodologies

- Converter Design and Optimization
- Power Converter and EMI/EMC Modelling and Analysis
- Standardized Data Model for Components / Electronic Data Sheets
- Digital Twinning in Power Electronics
- Big Data and Artificial Intelligence Methodologies for Modelling and Design
- Real-Time Simulation and Hardware in the Loop
- Energy and Carbon Footprint Estimation of Converter Manufacturing and Life Cycle Analysis (LCA)

4. Measurement, Supervision and Control for Power Converters

- Advanced Modulation Techniques
- Advanced Current / Voltage / Synchronization and Control Techniques
- Estimation, Identification and Optimization Methods
- Measurement Techniques, Sensors, and State Observers
- Artificial Intelligence for Advanced Operation of Power Converters and condition monitoring

5. Electrical Machines and Drive Systems

- Electrical Machines and Actuators
- Adjustable-Speed Drives and Converter-Machine Interactions (EMI/EMC, dv/dt, Bearing Currents)
- Design, Optimization and Control of Electrical Drives
- Condition Monitoring and Life-Time Prediction of Drives

6. Renewable Energy Power Systems

- Wind and Solar Energy Systems
- Energy Storage Systems for Renewable Energy
- Fuel Cells and Other Renewable Energy Systems
- Energy Management Systems
- Energy Harvesting

7. Power Electronics in Transmission and Distribution Systems

- HVDC, FACTS, Solid State Transformers and Hybrid Circuit Breakers
- Solid State and Hybrid Circuit Breakers
- Grid Supporting and Grid Forming Converters
- Smart Grids
- AC and DC Distribution and Micro Grids, including Fault Coordination and Protection
- EMI/EMC, Power Quality Issues and Power Factor Correction
- Smart and Energy Efficient Buildings
- Energy Storage in Transmission and Distribution Systems

8. E-Mobility and Propulsion Systems

- Electric Drive Trains for Transportation
- On-Board and Off-Board Chargers
- Wireless Power Transfer Systems
- Stationary Charging Power Stations and Stationary (Ultra) Fast Chargers
- Smart Charging, Bidirectional V2G and Vehicle to X (Home, Load) Interaction
- Batteries and Fuel Cells for EVs
- EMI/EMC issues and solutions for E-Mobility and Propulsion Systems

9. Power Electronics Specific Applications

- Datacenter (Including AI)/Telecom Power Converter, Architecture and System Considerations
- Power Electronics for Aerospace
- Power Electronics in Electrolyze and Fuel cell systems
- Solid-State Lighting and Electronic Ballasts
- Biomedical Applications
- High Power Charging Infrastructures
- Defense and Military Power Electronics
- Power electronics/energy systems for railway-systems and ships
- Other Niche and Emerging Applications

Important Dates

09 Mar 2026

Extended Deadline:
extended digest

24 Apr 2026

Notification
of acceptance

08 Jun 2026

Deadline:
full paper

Paper Submission

<https://www.conftool.org/ecce-europe-2026/>

