



# CALL FOR TUTORIALS

The **ECCE Europe 2026** invites proposals for **tutorial sessions** to be presented on Monday 14<sup>th</sup> of September. Tutorials are designed to provide attendees with comprehensive, in-depth knowledge and practical insights into emerging technologies, methodologies, and applications in the field of power electronics. Each tutorial will have a duration of 180 minutes (excluding breaks) and should be structured to engage both industry professionals and academic researchers. There will be sessions both in the morning and in the afternoon.

## Why Propose a Tutorial?

Presenting a tutorial at the Power Electronics Conference offers a unique opportunity to:

- Showcase your expertise to a global audience of professionals and researchers.
- Enhance your visibility within the power electronics community.
- Network with industry leaders and academic peers.
- Contribute to advancing knowledge and best practices in cutting-edge technologies.

## Suggested topics

Topics encompass the full scope of ECCE with a special emphasis on:

- Components: Magnetic materials, capacitors, drivers, sensors (voltage and current), analog and digital controllers, reliability considerations.
- Applications: Electric Vehicles (EV), More Electric Aircraft (MEA), space applications, supplying ICs (GPU, MP, TPU), DC distribution, HVDC systems, renewable energy integration, energy storage, motor drives, multiphase systems.
- Digital Tools: Automatic code generation, controller design, magnetic design, PCB layout design, optimization tools.
- Power Semiconductors: Si, SiC, GaN technologies, design issues, best practices, reliability and lifetime considerations.
- Control and Modelling: Digital twins of power systems, analog and digital control of converters, power distribution stability, health monitoring.
- Topologies: DC/DC converters, flying capacitor converters, modular multilevel converters (MMC), partial power processing architectures.
- Regulations and Standards: Protection schemes, EMI & EMC compliance, inrush current management.





## Proposal Requirements

- Title and Abstract (maximum 500 words)
- Instructor(s): Name, affiliation, and contact information
- Outline: Topics, subtopics, and time allocation
- Lecture Style: Format (lecture, demo, interactive), equipment needs
- Target Audience: Level and prerequisites
- Instructor Biography: ( $\leq 200$  words per instructor)

## Important Dates

- **Tutorial Proposal Deadline:** March 11<sup>th</sup>, 2026
- **Notification of Acceptance of Tutorials:** March 20<sup>th</sup>, 2026

## Submission Instructions

1. Prepare your Tutorial proposal as a PDF ( $\leq 3$  pages).
2. Submit to the Tutorial Chairs:

Pablo Fernandez Miaja ([fernandezmiapablo@uniovi.es](mailto:fernandezmiapablo@uniovi.es)) and Aitor Vazquez ([vazquezaitor@uniovi.es](mailto:vazquezaitor@uniovi.es))

## Evaluation Criteria

- Technical excellence and relevance.
- Pedagogical Quality and Structure
- Instructor expertise and diversity
- Industrial Impact and Practical Application

## Organization of Tutorials

Organizing a Tutorial is your chance to play a **key role in the educational mission of the conference**, showcase your leadership in a specialized field and share knowledge. Submit early and help us create an inspiring learning experience for all attendees!

