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LUXEMBOURG  
INSTITUTE OF SCIENCE  
AND TECHNOLOGY



## call for tutorials

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### Powering Innovation by Sharing Knowledge

We're inviting tutorial proposals for PEDG 2024, providing experts a unique platform to share their insights. Each tutorial will last 3 hours, including break times. Accepted presenters receive a complimentary conference registration and an honorarium. Please note full conference registration is still required for paper publication.

To submit your tutorial proposal, please send it to [pedg2024@list.lu](mailto:pedg2024@list.lu). For your convenience, we have provided a Tutorial Proposal Form on the website as a submission template. Subject expert panels will ensure tutorials' quality. Join us at PEDG 2024, contribute, and be part of a global community driving power electronics and distributed generation systems forward!

#### Strongly Encouraged Elements for Tutorial Proposals:

- **Industry Collaboration:** Consider industry-led or co-hosted lectures to bridge the gap between academia and real applications.
- **Interactive Engagement:** Utilize interactive instructor-audience approaches, including hands-on demonstrations and practical examples to enhance learning experiences.
- **Practical Application:** Emphasize application-focused sessions that provide tools and methods relevant to practicing engineers in their daily work.
- **Local Relevance:** Explore regionally oriented topics at the Benelux-European region to connect with the local context.
- **Interdisciplinary Collaboration:** Encourage collaborative, cross-disciplinary tutorial teams and topics that broaden horizons and foster innovation.

#### Advancements in Power Electronics and Distributed Generation Systems: Exploring Key Topics for a Sustainable Energy Future

Explore a wide range of PEDG 2024 tutorial topics. Delve into smart grids, microgrids, and energy storage. Discover unconventional renewables like geothermal and tidal power processing. Explore energy conversion, harvesting, and efficient buildings. Dive into advanced manufacturing, big-data, machine learning, digital twins, and cybersecurity. Also, examines transportation electrification, resiliency, and grids. In addition, consider tutorial proposals in the advanced power electronics technologies. Cover power electronic devices, innovative conversion techniques, advanced control, electrical drives, materials, and high-frequency applications. Explore packaging, integration, EMI/EMC challenges, thermal management, cooling tech, wireless power, high/medium-voltage conversion, automation, reliability, diagnostics, fault tolerance, and protection methods, including advanced gate drives. Choose a topic aligned with your expertise, contributing to power electronics and distributed generation systems.

#### Important dates

**Tutorial Proposal Due**

**January 31, 2024**

**Notifications of Acceptance**

**March 31, 2024**

**Final Tutorial Materials Due**

**May 24, 2024**

#### Submit your tutorial proposal

All tutorial proposals should be submitted by email according to directions in the PEDG 2024 web portal's "Call for Tutorials" section. Please follow the Tutorial Proposal Form on the website as a submission template.

[https://www.pedg2024.lu/call\\_for\\_tutorials](https://www.pedg2024.lu/call_for_tutorials)

Contact: [pedg2024@list.lu](mailto:pedg2024@list.lu)