

WHAT IS PESS + PELSS?

This year, for the first time, the Power and Energy Student Summit and the Power Electronics Student Summit will be taking place as a joint professional international conference specifically aimed at students and PhD students. The main focus is on the fields of electrical power engineering and power electronics. The conference allows students to gain first experiences in writing, publishing and discussing their own publications in front of a professional audience.

WHY YOU SHOULD PARTICIPATE ...

- Presentation of own research results to an expert audience
- Award of the best contributions with a total of 1.000 € from the CIGRE Next Generation Network
- Publication of accepted papers in the IEEE Xplore research database
- Establishing contacts with students and representatives from research and industry
- Getting to know the opportunities of participation in national and international technical committees
- Check-in and welcome pre-event organized by the CIGRE Next Generation Network on 2.11.2022

CALL FOR PAPERS

- Participation for enrolled students and doctoral candidates
- Submission of a scientific paper with results from student research projects or theses, auxiliary activities, etc.
- Evaluation by a committee of experts from research and industry
- Submissions until: **25.09.2022** at the latest.

Contact: studentsummit2022@iee.fraunhofer.de

Further information: <https://www.uni-kassel.de/eecs/e2n/pess-pelss-2022>

CONFERENCE TOPICS

- **GRID PLANNING**
- **GRID OPERATION AND CONTROL**
- **ENERGY MANAGEMENT / ENERGY EFFICIENCY**
- **HIGH VOLTAGE ENGINEERING**
- **CROSS-CUTTING TOPICS**
- **POWER ELECTRONICS FOR GRIDS, SMART GRIDS AND ISLAND GRIDS**
- **CONTROL STRATEGIES FOR A SUSTAINABLE, RESILIENT AND RELIABLE GRID**
- **RENEWABLE ENERGY SYSTEMS: WIND, PHOTOVOLTAIC AND OTHER SOLUTIONS**
- **POWER ELECTRONICS FOR STORAGE SYSTEMS AND HYDROGEN APPLICATIONS**
- **POWER ELECTRONICS FOR E-MOBILITY**
- **COMPONENTS, CONVERTER MODELLING AND TOPOLOGIES, DESIGN AND LOW-LEVEL CONTROL**

KEYNOTE SPEAKER

Prof. Dr. De Doncker

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Next Generation
Network

U N I K A S S E L
V E R S I T Ä T



Conference Chairpersons

Prof. Dr.-Ing. Martin Braun

Energy Management and Operation of Electrical Networks
University of Kassel
Fraunhofer Institute for Energy Economics and Energy System Technology

Prof. Dr.-Ing. Marco Jung

Electromobility and Electrical Infrastructure
Bonn-Rhine-Sieg University of Applied Sciences
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