

TUESDAY, DECEMBER 19, 2023
16:00 - 18:00

IEEE WORKSHOP

HIGH POWER DC-DC CONVERTERS

LOCATION: ONLINE, [ZOOM LINK](#)



PROGRAM:

- 16:00 - 16:05** Welcome
- 16:05 - 16:30** Full SiC isolated DC-DC converter: A modular solution for the reinforcement of DC railway electrification systems
Prof. Philippe Ladoux (LAPLACE, Toulouse, France)
- 16:30 - 16:50** Development of a medium voltage IGCT-based resonant DC transformer
Mr. Renan Pillon Barcelos (EPFL, Lausanne, Switzerland)
- 16:50 - 17:10** Partial power rated converters: Non-isolated DC-DC battery interface converter
Mr. Igor Lopusina (Leopold-Franzens Universität Innsbruck, Austria)
- 17:10 - 17:30** Horizontal network coupling based on three-phase solid-state transformers
Mr. Benedict Mortimer (RWTH, Aachen, Germany)
- 17:30 - 17:50** Optimization of open-loop control signals for a half-bridge series resonant converter for high power and high switching frequency applications
Mr. Anton Gorodnichev (Fraunhofer Institute for Energy Economics and Energy Systems, Kassel, Germany)

The event is co-organized by:
Swiss IEEE PELS Chapter (PEL 35)
Austrian Joint Chapters (IA34/PEL35/IE13/PE31)
German Joint Chapters (IE13/IA34/PEL35)

