



International Society on Pulsed Power Applications e.V.

www.pulsed-power.org

**ISP workshop on
Switches for Pulsed Power Applications**

March 23 - 24, 2023

TU Darmstadt

Landgraf-Georg-Str., 64283 Darmstadt

Together with a visit of the

GSI Helmholtzzentrum für Schwerionenforschung,
Planckstraße 1, 64291 Darmstadt, Germany



Hosted by the TU Darmstadt and the GSI Helmholtzzentrum für Schwerionenforschung, this year's annual workshop of the ISP will focus on switch technologies for pulsed power applications. This may include:

- Opening and Closing Switches
- High Power and high frequency Semiconducting Switches / Solid State Switches
- High Voltage Gas and Vacuum Switches
- Trigger and Protection Technologies
- Switch Cooling
- Assemblies and Systems

This workshop is intended to regularly provide the possibility of networking within the pulsed power community and to support the scientific / technical exchange between science, industry and students. The frame of the workshop shall provide a more intimate opportunity for social and technical interaction than a large conference. The workshop is accompanied by a visit of the construction site of the Facility for Antiproton and Ion Research (FAIR) / GSI Helmholtzzentrum für Schwerionenforschung and the annual member meeting of the ISP. The workshop is free of charge.

The GSI Helmholtzzentrum für Schwerionenforschung in Darmstadt operates a worldwide leading accelerator facility for research purposes. About 1,520 employees are working at GSI. In addition, every year approximately 1,000 researchers from universities and other research institutes around the world come to GSI to use the facility for experiments.

At GSI, FAIR is currently being built, an international accelerator facility for the research with antiprotons and ions which is being developed and constructed in cooperation with international partners. It is one of the world's largest construction projects for international cutting-edge research. The FAIR project was initiated by the scientific community and researchers of GSI. The GSI accelerators will become part of the future FAIR facility and serve as the first acceleration stage.

Preliminary agenda

Thursday March 23: 13h00: Beginning of the workshop
Building S3/06, Landgraf-Georg-Str., 64283 Darmstadt, Lecture hall 052
19h00: Dinner (sponsored for ISP members)

Friday March 24: 09h00: Continuation of the workshop
11h00: ISP member meeting
12h30: Lunch at your own expense
13h30: Transfer to the GSI by public transport
14h00: Lab tour (GSI/FAIR)
16h00: End

For the Lab tour for the GSI / FAIR you need to have your passport or ID with you.

Further information will follow at www.pulsed-power.org/events

Please contact us if you are interested in giving a presentation.

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Further information

www.pulsed-power.org
www.fair-center.de
www.gsi.de
<https://www.lea.tu-darmstadt.de>