

ICAP'24



# 14th International Computational Accelerator Physics Conference

Lufthansa Seeheim Conference Hotel, Seeheim-Jugenheim, Germany

2-5 October 2024

Organized by

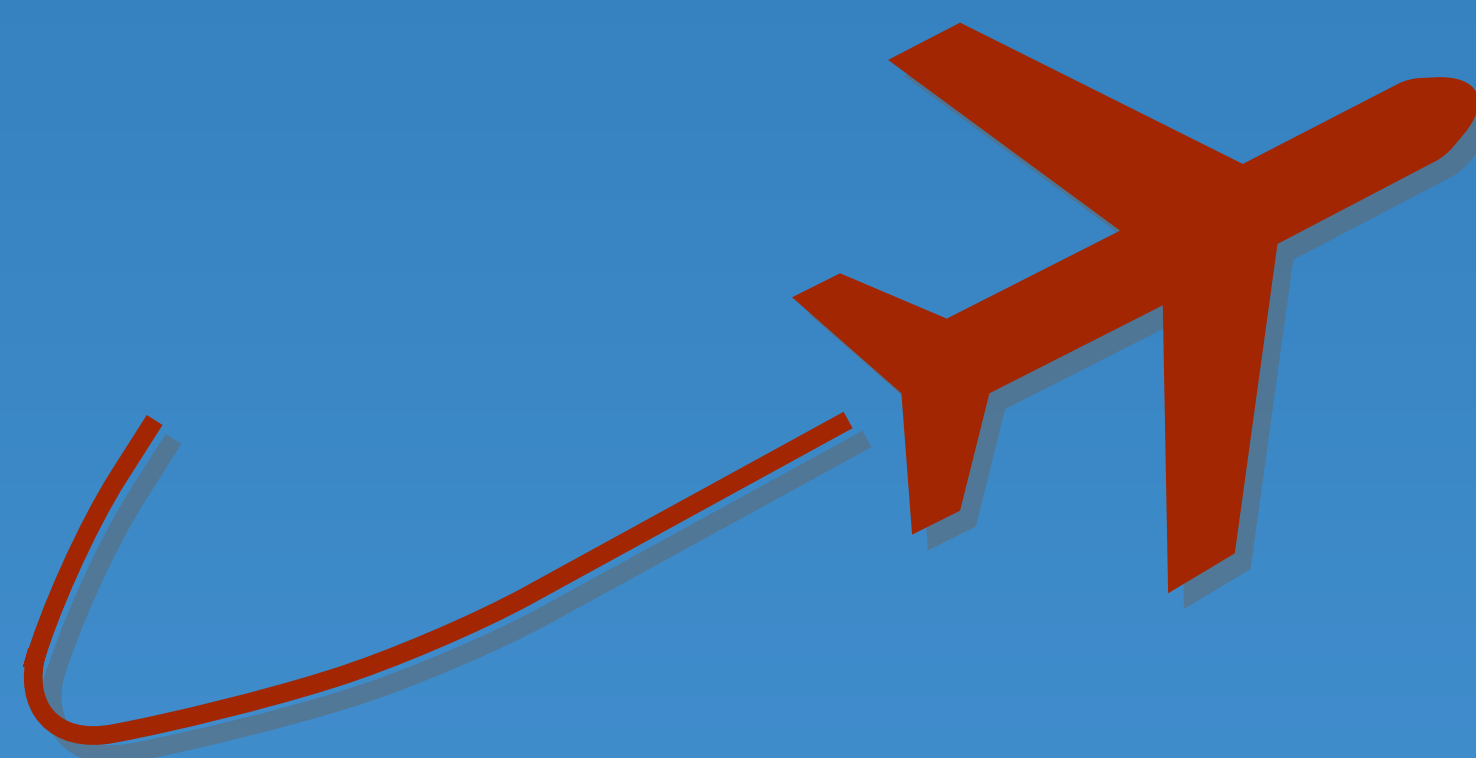
Technische Universität Darmstadt

GSI Helmholtzzentrum für Schwerionenforschung

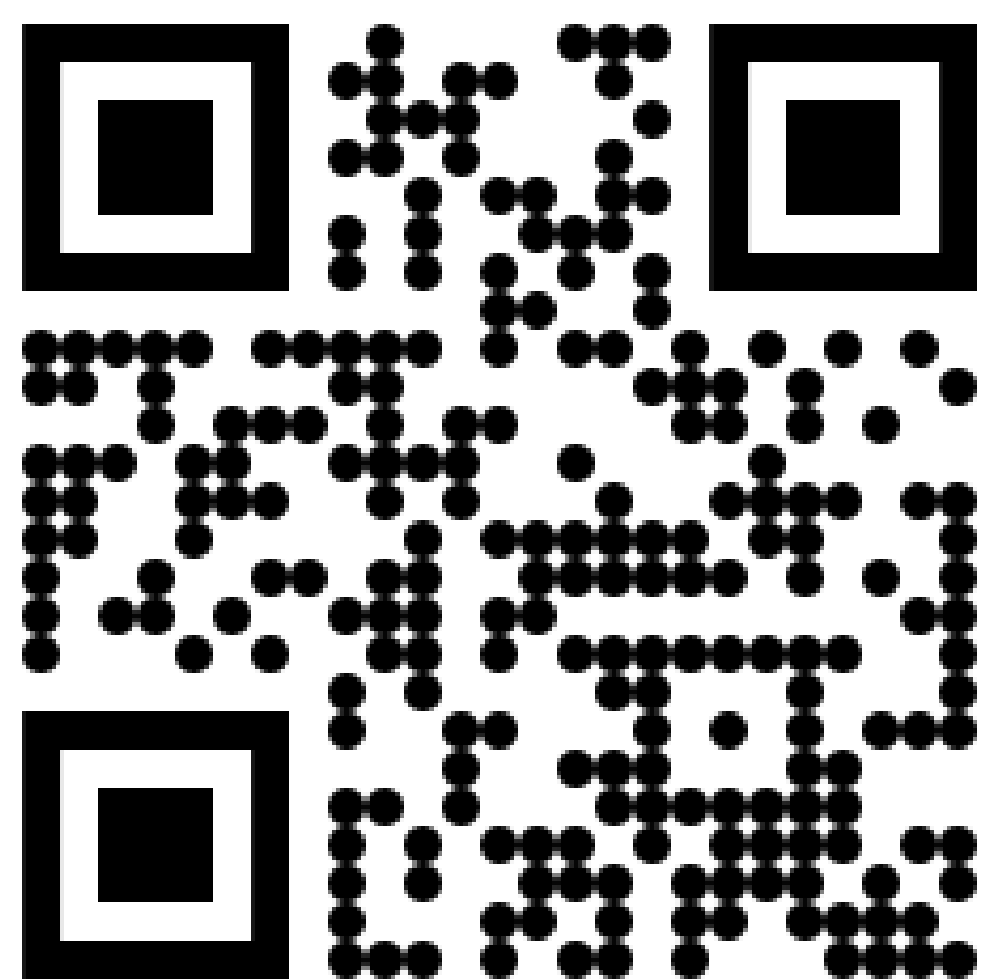
**Chairs:**

**O. Boine-Frankenheim**

**H. De Gersem**



<http://icap24.de>



## Conference Topics

- Project Needs and Challenges
- Modeling of Current and Future Machines
- Light Sources and FELs
- Plasma, Laser, Dielectric and Other Acceleration Schemes
- Magnet Design and Measurements
- Electromagnetic Field Computations
- Beam Dynamics – Spin, Precision, Space Charge
- Multi-Physics Modeling and Applications
- Surrogates and Machine Learning, Optimization, Control
- Code Development, Status and Comparison with Measurements
- Parallel Computing and Emerging Technologies

## Deadlines:

**Registration: 1 August 2024**

**Abstract Submission: 1 August 2024**