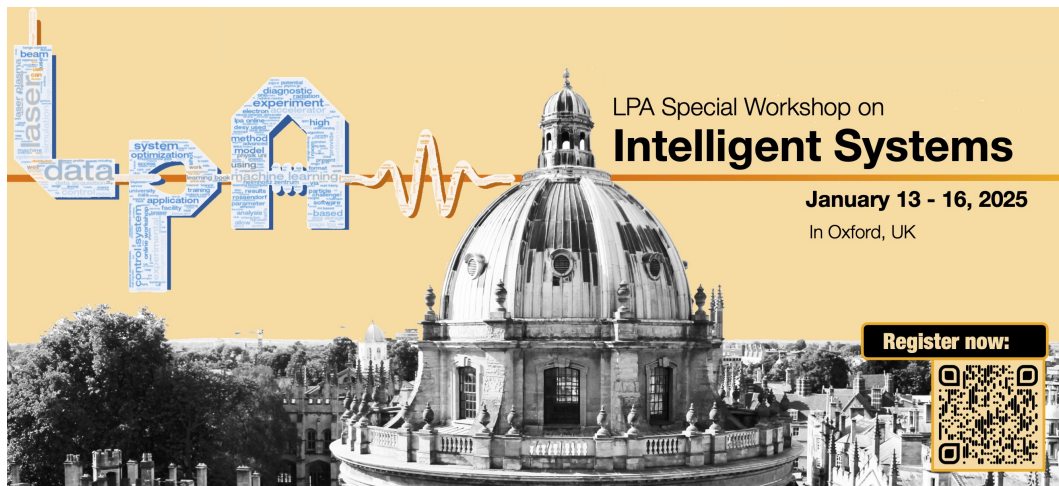


Programm der Sitzung

13.-16. Jan. 2025



LPA Special Workshop on Intelligent Systems

Trends in LPA Electron Automation

Department of Physics, University of Oxford
Parks Rd, Oxford OX1 3PU, UK

Di., 14. Januar

11:00

Trends in LPA Electron Automation

Sitzung | **Ort:** Department of Physics, University of Oxford, Parks Rd, Oxford OX1 3PU, UK

11:00–11:15 Uhr

Statistical analysis of electron beam parameters in laser plasma accelerators-preparing for Bayesian optimization

Sprecher

Franziska Marie Herrmann

11:15–11:30 Uhr

Impact of Laser Wavefront Stability on Electron Energy in LWFA at CALA

Sprecher

Johannes Zirkelbach

11:30–11:45 Uhr

Genetic algorithm optimization of a laser-plasma accelerator for very high-energy electron radiotherapy

Sprecher

Dr. Anton Golovanov

11:45–12:00 Uhr

Enabling Large-Scale Data-Driven AI Workflows with PIconGPU & openPMD: Demonstrating Experimental Parameter Inference and In-Transit Learning

Sprecher

Richard Pausch

12:30