

FRIDAY

F1	Application of AI and Machine Learning in optimisation of lasers and secondary sources – Chair Kevin Cassou	
9:00	F1.1	Invited – Aodhan McIlvenny, Lawrence Berkeley National Laboratory Real-time feedback control of high power lasers: from PW-class LPA drivers to coherently combined fiber lasers
9:30	F1.2	Invited – Zulfikar Najmudin, Imperial College London Bayesian optimisation of temporal pulse shaping for high-brightness laser wakefield acceleration
10:00	F1.3	Ewan Dolier, University of Strathclyde Machine learning-enabled optimisation and synthetic diagnostics for laser-driven ion beams
	F1.4	Florian Schweiger, Ludwig-Maximilians-Universität München Automated multi-dimensional Bayesian optimization of laser-driven ion acceleration at the Centre for Advanced Laser Applications (CALA)
	F1.5	Zoltán Jäger, National Laser-Initiated Transmutation Laboratory, University of Szeged Markov Chain Monte Carlo-based on-line optimization of a high average power laser-driven ion source
	F1.6	Chaitanya Varma, Laboratoire d’Optique Appliquée, CNRS Semi-Autonomous Optimization of a Laser-Plasma Accelerator for Very High Energy Electron Radiobiology
11:00	COFFEE BREAK	
F2	Combined sources and New enabling laser technologies, metrology and diagnostics III – Chair Wenpeng Wang	
11:30	F2.1	Eva Marie Bayer, TRUMPF Scientific Lasers High-energy thin-disk laser for driving compact inverse Compton scattering-based X-ray source
	F2.2	Luca Labate, Consiglio Nazionale delle Ricerche, Istituto Nazionale di Ottica Development of a scalable amplifier concept for kHz rep rate, kW average power lasers using Tm-based ceramics
	F2.3	Liviu Neagu, Extreme Light Infrastructure Nuclear Physics Development perspectives of multi-stage OPA systems for mJ-energy ultrashort pulse generation at ELI-NP
	F2.4	Michael Heynck, Heriot-Watt University Beamline for extreme soliton dynamics for the generation of terawatt-scale optical attosecond pulses and several tens of gigawatt sub-3 femtosecond deep ultraviolet pulses
	F2.5	Slava Smartsev, CNRS RT-IMPALA: Toward real-time multi-color wavefront sensing
	F2.6	Huang Zhou, Songshan Lake Materials Laboratory High power kilohertz thin disk amplifier with 616mJ pulse energy and 586 fs pulse duration
13:00	LUNCH	
14:00	CONFERENCE CLOSES	