

13th MT ARD ST3 Meeting 2025 bei DESY in Zeuthen

Thursday 26 June 2025

Beam Control: Beam control Talks - Seminar Room 1-3 (14:00 - 15:20)

time	[id] title	presenter
14:00	[7] Sub-fs reference timing - Model based optimization of the EuXFEL synchronisation system	SCHUETTE, Maximilian
14:20	[16] Sub-fs SRF cavity control at CMTB	HOFFMANN, Matthias
14:40	[20] Efficient Accelerator Operation with Artificial Intelligence Based Optimization Methods	MATZOUKAS, Evangelos
15:00	[45] Automation & optimization with classical optimizer towards RL at GSI with Geoff	APPEL, Sabrina

Beam Control: Beam control Speed Talks - Seminar Room 1-3 (15:20 - 15:50)

time	[id] title	presenter
15:20	[13] The DAMC-DS5014DR, a high-speed Digitizer, leveraging the cutting-edge AMD ZYNQ Ultrascale+ RFSoc Technology in a MicroTCA.4 form factor.	BOGHRATI, Behzad
15:23	[37] System-on-Chip based magnet control in a MicroTCA system	MIERICKE, Jana
15:26	[43] Koopman meets Kalman: A deep learning approach to model radio frequency cavity detuning	MAALBERG, Andrei
15:29	[49] Feedback Optimization on the EuXFEL Electron Dump Beamline	HESPE, Christian
15:32	[60] Adaptive feedforward control of superconducting resonators on RFSoc	Dr USHAKOV, Andriy
15:35	[61] Application of Carrier Suppressing Interferometry in the MAGO Project	DOKUYUCU, Can
15:38	[62] Modified Active Disturbance Rejection Control for microphonics reduction in SRF cavities	ECHEVARRIA, Pablo
15:41	[56] Use of DESY's Open-Source FPGA Framework in the LISA (Laser Interferometer Space Antenna) Mission	Dr RICCI, Gianmarco
15:44	[59] The progress report on Gun5.2 Operation	AKSOY, Avni

Beam Control: Beam control Poster Session - Seminar Room 1-3 (16:00 - 16:53)

time	[id] title	presenter
16:00	Coffee Break	