10th MT ARD ST3 Meeting 2022 in Berlin

Thursday 8 September 2022

Session 3: Controls/Seeding/DAQ: Talks - Hörsaal 14.51-3147 (14:00 - 15:20)

  -Conveners: Holger Schlarb

time	[id] title	presenter
14:00	[154] Machine learning to predict and control beam properties	SANTAMARIA GARCIA, Andrea
14:20	[135] Beam size prediction at Bessy II with ML/AI	SCHUETT, Alexander
14:40	[113] Towards femtosecond-scale electron bunches with high stability for accelerator R&D on the ARES linac at DESY	VINATIER, Thomas
15:00	[187] Making controls groups' systems more accessible to scientist with simple Python interfaces and cleaner code	JULIAN, Gethmann

Session 3: Controls/Seeding/DAQ: Speed Talks - Hörsaal 14.51-3147 (15:20 - 15:56)

  -Conveners: Julian Gethmann

time	[id] title	presenter
15:20	[125] Development of a multi-axis Motion Controller in MicroTCA.4	FENNER, Michael
15:23	[130] Integration of Yocto and Jupyter Lab into the MSK Firmwarework for MPSoCs	RANDALL, Michael OMIDSAJEDI, Seyed Nima
15:26	[136] Attosecond RF Receivers Based on Carrier Suppression: Status update	HOFFMANN, Matthias
15:29	[178] Comparison of the Spectro-Temporal Properties of Echo-Enabled and High-Gain Harmonic Generation Free-Electron Laser Pulses	PANNEK, Fabian
15:32	[120] Transverse and Longitudinal Modulation of Photoinjection Pulses at FLUTE	NABINGER, Matthias
15:35	[119] Bayesian Optimization for the Control Parameters of the Optical Synchronization System at European XFEL	LUEBSEN, Jannis
15:38	[121] Status of Beam-Based Feedback Research and Development for CW Linac ELBE	MAALBERG, Andrei
15:41	[127] Learning-based Optimisation of Particle Accelerators Under Partial Observability Without Real-World Training	KAISER, Jan
15:44	[117] The feedback LMS resonance control for the SRF cavities in CW/LP	PRASAD, Shweta
15:47	[185] Adaptive Computing Accelerator Platform (ACAP) first experience and Vitis Tool chain	MARTINO, Gianluca
15:50	[192] Generic FPGA Firmware Framework	BUTKOWSKI, Lukasz
15:53	[195] Precision RF Cable shield measurement tech.transfer to industry	LUDWIG, Frank

Session 3: Controls/Seeding/DAQ: Posters - Foyer (16:16 - 17:36)

  -Conveners: Julian Gethmann