Artifact preparation workshop

mardi 28 novembre 2023

Plenary session: Anomaly detection (08:50 - 10:05)

-Présidents de session: Kevin CASSOU

time	[id] title	presenter
08:50	[64] Enhanced quench detection at the EuXFEL through a machine learning-powered approach	Dr BOUKELA, Lynda
09:05	[65] Exploration of ML algorithm towards anomaly detection for the Arronax accelerator operation	POIRIER, Freddy
09:20	[66] Beam distributions: signal denoising, contour reconstruction, and pattern recognition	OSSWALD, Francis
09:35	[67] Embedded harware for deep learning neural network: an optimization process.	DRUILLOLE, Frederic
09:50	[68] Discussion	

Plenary session: Control/Optimization (10:20 - 12:10)

-Présidents de session: Kim Lefmann

time	[id] title	presenter
10:20	[69] New techniques method for improving the performance of low beta ion linacs	MONTIS, Maurizio
10:35	[90] IFMIF : overview and challenges	PODADERA, Ivan
10:55	[70] Design of future colliders	Dr DI CORCE, Davide
11:10	[71] GEOFF and optimization framework for control	MADYSA, Nico
11:25	[72] Optimizations of lifetime and injection efficiency for comparison with Badger at the ESRF-EBS storage ring	Dr REVOL, Jean-Luc
11:40	[73] AI-based optimization of beamlines at ESS	Dr LEFMANN, Kim
11:55	[74] Discussion	

Plenary session: System modeling (13:10 - 14:40)

-Présidents de session: Jean-Luc Revol

time	[id] title	presenter
13:10	[75] Surrogate model of the FLUTE linac	XU, Chenran
13:25	[76] LinacNet surrogate model for ThomX	GULER, Hayg GULER, Hayg GULER, hayg
13:40	[77] Virtual diagnostics at UoL: complete system design	WOLFENDEN, Joe
13:55	[78] Advanced and AI techniques to mitigate linear and non-linear imperfections in Future Circular Colliders	BRUANT, Quentin BRUANT, Quentin
14:10	[80] Discussions	

Plenary session: Industry (14:55 - 16:25)

-Présidents de session: Ivan Podadera

time	[id] title	presenter
14:55	[81] Data platform of the HEAP European project	M. AVSTREIKH, Lex
15:10	[82] Control, embedding and connections with astrophysics	BRGLEZ, Ziva
15:25	[83] Radiasoft presentation	Mme LAMURE, Anne-Laure
15:40	[91] Seldon presentation	M. AUSTIN, Andy
15:55	[84] Discsussion	

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