2024 MicroTCA/ATCA for Large Scientific Facility Control International Workshop

Thursday 19 September 2024

Talks: talks 1 (08:30 - 10:20)

time	[id] title	presenter
08:30	[67] Workshop welcome	LU, Yalin
08:40	[35] Summary and Highlights of 12th MicroTCA Workshop at DESY in Hamburg	SCHLARB, Holger
09:05	[68] Electronic development planning of S3FEL beam measurement system	SHI, Lei
09:30	[36] HALF Microwave System development	PANG, Jian
09:55	[37] Progress and industry application of MTCA/ATCA localization platform	CAO, Hongrui

Talks: talks 2 (10:55 - 12:10)

time	[id] title	presenter
10:55	[38] Preliminary Deployment of MTCA.4 Based LLRF System for the S3FEL LINAC	ZHU, Jinfu
11:20	[69] An interface RTM board for HEPS timing based on MicroTCA.4	ZHANG, Jin
11:45	[40] Main Oscillator with sub-fs Resolution and High Performance Local Oscillator Generation in MicroTCA.4	BAI, Jiaoni

Talks: talks 3 (13:40 - 15:40)

time	[id] title	presenter
13:40	[41] Motion Controller in MicroTCA	RANDALL, Michael
14:00	[42] MicroTCA Specification Developments	REHLICH, Kay
14:25	[43] MTCA in photon science - the new motion controller in action	TOLKIEHN, Martin
14:50	[44] Status of the DAMC-UNIZUP AMC card for the future PETRA IV BPM electronics	CARGNELUTTI, Manuel
15:15	[45] RIGOL modular RF arrays help the application of large scientific devices	WANG, Bin

Friday 20 September 2024

Talks: talks 1 (09:00 - 10:15)

time	[id] title	presenter
09:00	[47] Progress on Super Tau Charm Facility Accelerators	LUO, Qing
09:25	[48] Design of Debug and Slow Control Interface for Complex and Distributed Electronic System	XUE, Tao
09:50	[49] MTCA status on Linac of IHEP	MA, Xinpeng

Talks: talks 2 (10:40 - 11:30)

time	[id] title	presenter
10:40	[51] The progress of the MTCA.4 based LLRF system in LUTF	ZHANG, Junqiang
11:05	[53] AI and Data Applications for Particle Accelerators	CHU, Paul

Talks: talks 3 (14:00 - 15:15)

time	[id] title	presenter
14:00	[55] Design and Development of Timing System Prototype using MicroTCA.4 AMC for CSNS-II	CHENG, Sinong
14:25	[57] MicroTCA Infrastructure and Hardware Portfolio for Scientific Applications	FENNER, Michael
14:50	[58] Introductions on Struck mTCA.4 based solutions	LIU, Rong

Talks: talks 4 (15:35 - 17:05)

time	[id] title	presenter
15:35	[70] LLRF Development for CSNS LINAC based on mTCA	XIE, Zhexin
16:00	[59] Acquisition and playback equipment based on mtca and its progress	WANG, Yang
16:25	[60] Applications of MTCA in Hybrid Pixel Detectors for HEPS and SHINE	ZHANG, Jie
16:50	[62] Close out	ZHOU, Zeran