LLRF 2023

Wednesday, October 25, 2023

Posters (1:50 PM - 6:00 PM)

time	[id] title	presenter
1:50 PM	[43] New development of X-band LLRF for PAL-XFEL Linearizer	
1:54 PM	[87] Piezo driver for spoke and elliptical cavities of ESS project linac production and installation status	
1:58 PM	[6] Measurement uncertainty in the RF system control of a particle accelerator	
2:02 PM	[98] Technical Design Considerations on the Low Level RF System for KOREA 4-GSR	
2:06 PM	[40] HIAF-Bring Magnetic Alloy Loaded RF System Design and Testing	
2:10 PM	[88] Status of the PEG in-kind contribution to the ESS LLRF systems integration and installation	
2:14 PM	[31] Design of the LLRF control system for MA cavity at CSNS RCS	
2:18 PM	[49] Status upgrade on the BESSY-II LLRF modernization and future plans	
2:22 PM	[13] Design of the digital LLRF system for TRIUMF ISIS buncher	
2:26 PM	[71] Status Update of Continuous Wave and Long Pulse tests on XM46.1 and X3M2	
2:30 PM	[20] Implementation of microwave with arbitrary amplitude and phase for the DCLS	
2:34 PM	[22] MEASURING AND CONTROL EQUIPMENT ON THE RFSOC FOR HOBICAT FACILITY	
2:38 PM	[27] Closed Loop Testing of Microphonics Algorithms Using a Cavity Emulator	
2:42 PM	[80] Control software design based-on EPICS and CS-Studio for HEPS booster RF system	
2:46 PM	[15] Dual Frequency Master Oscillator Generation and Distribution for ALS and ALS-U	
2:50 PM	[65] A Hybrid Architecture for the LLRF System of the Fermilab Mu2e Project	
2:54 PM	[78] MTCA.4 based LLRF control system for the J-PARC MR	
2:58 PM	[14] Low-level radiofrequency system upgrade for the Dalian Coherent Light Source	
3:02 PM	[18] A low-delay reference tracking algorithm for microwave measurement and control	
3:06 PM	[95] LLRF System Considerations for a Compact, Commercial C-band Accelerator using the AMD Xilinx RF-SoC	
3:10 PM	[66] FPGA IMPLEMENTATION OF THE DIGITAL LOW LEVEL RF CONTROL SYSTEM FOR THE LANSCE LOW FREQUENCY BUNCHER CAVITY	

3:14 PM	[50] Insights and Conclusions from Operating the CERN Linac4 LLRF System	
3:18 PM	[32] Simulation of muti-harmonic adaptive feedforward control for magnetic alloy cavity	
3:22 PM	[55] Digital LLRF system for SESRI Proton and Heavy Ion Accelerator Complex Injector	
3:26 PM	[81] Development of 499.8 MHz RF Control System for HEPS Booster Ring	
3:30 PM	[84] Introduction of a digital LLRF system at the STF vertical test stand at KEK	
3:34 PM	[73] Diamond Digital Low Level RF	
3:38 PM	[4] Python-EPICS RF Conditioning Automatic Control System in the Spallation Neutron Source	
3:42 PM	[61] The fast RF interlock system for CAFe II linac	
3:46 PM	[101] RF measurement in SHINE cavity and cryomodule test stands	
3:50 PM	[90] LLRF CONTROLS OF THE S-BAND TRANVERSE DEFLECTOR CAVITY FOR LCLS-II	
3:55 PM	[53] Development and Commissioning of a Bunch-by-Bunch Phase Measurement Module for the CERN Super Proton Synchrotron Beam-Based Loops	
4:00 PM	[16] Performance of FPGA controllers in ISAC-1 accelerator chain	
4:04 PM	[113] The LCLS-II-HE SRF gun development	
4:08 PM	[19] The microwave amplitude and phase setting based on event timing for the DCLS	
4:12 PM	[85] Concept of the Real-time Monitoring System for the ESS Phase Reference Line	
4:16 PM	[62] Operation of a LLRF System for RAON Low Energy LINAC	
4:20 PM	[68] A digital RF control system design for the 2GeV FFA accelerator 1:4 down-scale cavity	
4:24 PM	[12] Tests at 2K of the beta 0.35 Spoke Cryomodule prototype with the MTCA.4-based Low Level RF System prototype for the MYRRHA R&D	
4:28 PM	[79] DLLRF controller for superconducting third harmonic cavity by developed at SSRF	
4:32 PM	[64] Testing of the BARC LLRF and RFPI systems for the PIP-II Linac	
4:36 PM	[77] Status of DLLRF system development for Soleil-II Project	
4:40 PM	[60] DAQ for JLAB Legacy Analog LLRF Systems	
4:44 PM	[9] Approach to calibrate cavity forward and reflected signals using LLRF system for continuous wave-operated cavities	
4:48 PM	[39] Commissioning of CW Digital Low-Level RF for 50 MHz Cyclotrons at PSI	
4:52 PM	[35] A Python-based LLRF Algorithm Library	
4:57 PM	[36] Digital Upgrade of the Low Energy Beam Transport Resonance Control System	
5:02 PM	[74] Software Design and Implementation of the SHINE LLRF System	

5:07 PM	[52] Status of the beam control renovation of the Proton Synchrotron at CERN	
5:12 PM	[93] FW/SW framework for SRF cavity active resonance control	
5:17 PM	[37] Online identification algorithm for mathematical model of RF cavity system based on FPGA	
5:22 PM	[63] Upgraded Bunch length monitoring system for CEBAF	
5:27 PM	[26] PIP-II Beam Pattern Generator Upgrade using an SOCFPGA	
5:31 PM	[76] LLRF hardware design in SHINE	
5:35 PM	[102] Development Status of LLRF System for KOMAC	
5:40 PM	[58] Signal processing architecture of the next generation LLRF systems at PSI	
5:45 PM	[82] A Custom Multi-Channel RF Distribution Module for FLASH2020+ RF Reference Generation System	
5:50 PM	[89] New RFPI system for the PIP-II accelerating structures	
5:55 PM	[69] Upgrade of the SPARC_LAB LLRF system and recent X-band activities in view of EuPRAXIA@SPARC_LAB project	