

Ultrafast Imaging and Tracking Instrumentation, Methods and Applications Conference (ULITIMA 2023)

Monday, 13 March 2023

Imaging: Imaging - 1 - Bldg 53 / Room 1320 - Panofsky Auditorium (10:45 - 12:45)

-Conveners: Dionisio Doering

time	[id] title	presenter
10:45	[38] Extreme Frame Rates for Photon Science	KENNEY, Christopher
11:15	[11] XIDer: a Novel X-ray Detector for Next-Generation High-Energy Synchrotron Radiation Sources	SCHIMANSKY, David
11:45	[57] DynamiX: A charge cancellation ASIC for high-rate X-ray measurements using CdZnTe	GARDINER, Thomas
12:05	[39] Nanosecond x-ray imaging at LCLS with UXI detectors	HART, Philip
12:25	[58] Implementation of an ultrafast x-ray imaging camera for imaging shockwave evolution in defect-bearing ablator materials	HODGE, Daniel

Tuesday, 14 March 2023

Imaging: Imaging - 2 - Bldg 53 / Room 1320 - Panofsky Auditorium (10:35 - 13:25)

-Conveners: Christopher Kenney

time	[id] title	presenter
10:35	[66] Keynote - How to meet the X-ray Photon-Science Detector Challenge?	GRAAFSMA, Heinz
11:35	[17] The DSSC soft X-ray Detectors with Mega-frame Readout Capability for the European XFEL	PORRO, Matteo
12:05	[18] Commercializing high rep rate burst mode hCMOS imagers	CLAUS, Liam
12:35	[69] High-Z sensors for synchrotron sources and FELs	GREIFFENBERG, Dominic
12:55	[70] High-Speed X-ray Imaging Detectors for Storage Rings: Statistical performance requirements and the solution implemented to CITIUS	HIRAKI, T.N. HATSUI, Takaki

Wednesday, 15 March 2023

Imaging: Imaging - 3 - Bldg 53 / Room 1320 - Panofsky Auditorium (10:55 - 12:55)

-Conveners: Rafael Ballabriga

time	[id] title	presenter
10:55	[47] SparkPix: a family of experiment-specific X-ray detectors for LCLS-II	ROTA, Lorenzo
11:25	[41] Pixel detectors with built-in signal processing and bandwidth-efficient data transmission	CARINI, Gabriella
11:55	[34] HEXITEC-MHz: A Spectroscopic X-ray Imaging Camera System with 1 MHz Frame Rate Continuous Readout	Mr CLINE, Ben
12:15	[35] Development of diamond-based diagnostics for next-generation XFELs	SCHUMM, Bruce
12:35	[46] Test and qualification of the UDC: a 10 GSa/s, 16 channel digitizer system on a chip for fast plasma imaging applications	MOSTAFANEZHAD, Isar

Thursday, 16 March 2023

Imaging: Imaging - 4 - Bldg 53 / Room 1320 - Panofsky Auditorium (10:25 - 12:15)

-Conveners: Farah Fahim

time	[id] title	presenter
10:25	[3] Beyond the temporal resolution limit of silicon image sensors	ETOH, T. Goji
10:55	[23] Single-pulse multi-frame x-ray imaging with a crystal-based x-ray split-and-delay line	BURCKLEN, Catherine
11:25	[24] Observing light-in-flight and MIPs with a 7.5-ps resolution	CHARBON, Edoardo
11:55	[40] The FastIC ASIC: A Fast Integrated Circuit for the readout of Fast Detectors with Intrinsic Amplification	BALLABRIGA, Rafael