



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

## Monday, March 13, 2023

**Tracking: Tracking - 1** - Bldg 53 / Room 1320 - Panofsky Auditorium (1:50 PM - 3:40 PM)

-Conveners: **Lorenzo Rota**

time	[id] title	presenter
1:50 PM	[25] The power of gaining and sharing: introducing internal gain and built-in charge sharing in silicon sensors	CARTIGLIA, Nicolo
2:20 PM	[26] Advanced silicon tracking detector developments for the future Electron-Ion Collider	LI, Xuan
2:50 PM	[30] New Developments in Low Gain Avalanche Diode Fabrication Technology	CENTIS VIGNALI, Matteo
3:20 PM	[33] Design characterization of AC-coupled LGADs for high precision 4D tracking	MAZZA, Simone

# Tuesday, March 14, 2023

## **Tracking: Tracking - 2 - Bldg 53 / Room 1320 - Panofsky Auditorium (2:25 PM - 4:05 PM)**

**-Conveners: Ariel Schwartzman**

time	[id] title	presenter
2:25 PM	[31] A High-Granularity Timing Detector for the ATLAS Phase-II upgrade	GUINDON, Stefan
2:55 PM	[8] A picosecond avalanche detector in SiGe BiCMOS	PAOLOZZI, Lorenzo
3:25 PM	[7] TIMEPIX in 65nm, further exploring the sub-ps timing regime.	VARNER, Gary VARNER, Gary
3:45 PM	[12] Photon and minimum ionizing particle detection with ultra fast Geiger mode APDs	RIIPICCINI, Emanuele

# Wednesday, March 15, 2023

## **Tracking: Tracking - 3 - Bldg 53 / Room 1320 - Panofsky Auditorium (4:15 PM - 6:15 PM)**

**-Conveners: Matteo Porro**

time	[id] title	presenter
4:15 PM	[67] Keynote - The Timepix chip family and its latest member, Timepix4	CAMPBELL, Michael
5:15 PM	[28] Precision Timing with the CMS MIP Timing Detector	ARCIDIACONO, Roberta

# Thursday, March 16, 2023

## **Tracking: Tracking - 4 - Bldg 53 / Room 1320 - Panofsky Auditorium (1:15 PM - 3:05 PM)**

**-Conveners: Richard Sandberg**

time	[id] title	presenter
1:15 PM	[29] Latest results on timing performance of silicon pixel detectors	BEOLE', Stefania
1:45 PM	[48] Thin monolithic pixel sensors with fast operational amplifier output in a 65 nm imaging technology.	LIM, Bong-Hwi
2:05 PM	[53] Test-beam performance results of the FASTPIX Sub-Nanosecond CMOS Pixel Sensor Demonstrator	BRAACH, Justus
2:25 PM	[44] The Silicon Electron Multiplier	HALVORSEN, Marius
2:45 PM	[59] Rapid, online screening of complex phase spaces using Bayesian Optimization for SAXS measurements	YOUNES, Khaled