

ANIMMA 2025

Monday, June 9, 2025

Workshop N°3: High-performance data acquisition systems for nuclear applications (fission, fusion, dismantling, safety and safeguards, ...) - Room 3 (9:45 AM - 5:30 PM)

-Conveners: Massimo Morichi; Bruno Gonçalves

time	[id] title	presenter
9:45 AM	Welcome coffee	
10:15 AM	[323] W3 Introduction	MORICHI, Massimo GONÇALVES, Bruno
10:30 AM	[324] W3 Next generation front end ASICs, Digital Pulse Processors and streaming Readout for physics research	TINTORI, Carlo
11:15 AM	[325] W3 Advanced Power supplies for complex experiments with hundreds of channels and multi detectors: A break into efficiency and precision in detection measurements	DI MAIO, Gianni SAVIOZZI, Matteo
12:00 PM	[326] W3 From innovative multipurpose single board electronics into the individual applications. Evolution of complex systems for safeguard, security, waste characterization, reactors and medical operations	MORICHI, Massimo
12:45 PM	Lunch	
2:00 PM	[327] W3 Advanced advancements in instrumentation and control, data acquisition systems, and data management to support the design, licensing, and operation of nuclear modular reactors and small modular reactors	PORTILLO, John
2:45 PM	[328] W3 Hybrid FPGA HDL / MARTe2 software framework approach for data acquisition and real time control in fusion devices	CARVALHO, Bernardo
3:30 PM	Coffee break	
3:45 PM	[338] Talk#6 and Q&A	
4:30 PM	[339] Talk#7 and Q&A	
5:15 PM	[340] Conclusions	