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Joint ICTP-IAEA Workshop on Edge Artificial Intelligence for Environmental and Radiation Sensing | (smr 4190)

Wednesday 16 September 2026

- (09:00-16:30)

time	title	presenter
09:00	Radioisotope Identification using Machine Learning	IVAN MORALES
09:45	Lab: Radiation Sensing with Arduino Q	IVAN MORALES
10:30	Collecting Radiation Spectra	IVAN MORALES
11:00	Spectra Analysis (ML & InterSpec)	MILAN MATOS
12:00	Lunch Break	
13:00	CERN radiation monitoring system	HAMZA BOUKABACHE, SARATH KUNDUMATTATHIL MOHANAN
13:30	LLM at the Edge	IVAN MORALES, MARCO ZENNARO
14:30	Weather Station Demo	AZIZ SOLTBAEV
15:00	Coffee Break	
15:30	TinyPulseCNN: a 1473-parameter denoiser with a residual fail-safe for radiation pulses	ESEN RAKHMANOV
15:45	Briefing & Final Preparation for Ak-Tuz Field Trip Equipment Inspection & Pre-Trip Logistics Check	AZIZ SOLTBAEV, MILAN MATOS