

T6 / T7: Remote sensing, Astrogeophysics & Planetology / Smart Geoengineering

Room2	Sunday, November 9th, 2025	
	Chairs: Imed Riadh Farah (Tunisia) / Mourad El Koundi (Tunisia)	
08:30 - 08:45	Deep Learning-Based Denoising of Seismic Traces Using U-Net and Synchrosqueezed Time-Frequency Analysis	Amoura Saliha
08:45 - 09:00	Geospatial Analysis of Forest Fragmentation and Land Cover Transformation in the Maâmora Forest	Ghouldan Abderrahym
09:00 - 09:15	Enhanced Flotation Froth Segmentation Using Attention U-Net : A Comparison with the Classic U-Net	Saraji Widad
09:15 - 09:30	A Gradient Boosting Machine Approach for Predicting Peak Particle Velocity in Mine Blasting	Bouhannache Mohammed
09:30 - 09:45	Forecasting Water Quality Index in Semi-Arid Afro-Mediterranean Catchments Using Deep Learning under Limited Data	Troudi Nizar
09:45 - 10:00	Geophysical signatures of the Tamazert igneous complex: insights from integrating airborne magnetic and radiometric data	Azmi Mohamed
10:00 - 10:15	Applications of artificial intelligence to assess water status in plants for agricultural precision	Mabrouki Jamal
Coffee-Break ☕		
10:45- 11:00	Monitoring Drought Over Time Using Satellite Data: Application of the Standardized Precipitation Evapotranspiration Index (SPEI) in Morocco	Hammou Ali Fatima Zahra
11:00 - 11:15	From Pixels to Possibilities: Sustainable Remote Sensing for Resilient Futures in the Afro-Mediterranean Regions	Kamosho Aune
11:15 - 11:30	Structural Mapping of the Beja Region (NW Tunisia) Using Gravity and Remote Sensing Data	Balti Hadhemi
11:30 - 11:45	Mapping Amplified Strong Motion in Algiers City	Talbi Abdelhak
11:45 – 12:00		