

Session A9**Big Earth Data and AI Serving Sustainable Heritage****Time: 10:30-12:00, 7th September****Room: 302**

LUO Lei, International Centre on Space Technologies for Natural and Cultural Heritage under the auspices of UNESCO (HIST)

Co-Chairs

WANG Xinyuan, International Centre on Space Technologies for Natural and Cultural Heritage under the auspices of UNESCO (HIST)

TARIQ Shahina, Land Information and Management System Centre of Excellence (LIMS-CoE)

Preserving the Past, Preparing the Future: AI Partnerships for Climate-Resilient Cultural Heritage and SDGs (invited)

Shahina Tariq (Land Information and Management System Centre of Excellence, Pakistan)

Big Earth Data and AI: Repowering Policy and Innovation through Space Technologies (invited)

LASAPONARA Rosa (CNR-IMAA, Italy)

The use of machine learning and satellite imagery to detect roman fortified sites: the case study of blad talh (Tunisia section)

BACHAGHA Nabil (University of Leeds, UK)

A Comprehensive Assessment of Urban Sprawl Impacts on World Cultural Heritage: A case Study of Taxila

Najam us Saqib Zaheer Butt (International Max Planck Research School for Global Biogeochemical Cycles, Germany)

Archaeological Prediction Using explainable AI Optimized with Negative Sample Strategy: A Case Study of the Kushan Period in Surkhandarya, Uzbekistan

YANG Jia (Beijing University of Civil Engineering and Architecture, China)

A Qanat Detection Method Integrating Deep Learning with Post-Processing Optimization: A Case Study of the Persian Qanats World Heritage Site

FU Xingjian (Institute of Disaster Prevention, China)

Deep Learning-Based Detection of Stone-constructed Burial Mounds in the Western Tianshan Steppe

TU Ran (International Research Center of Big Data for Sustainable Development Goals, China)
