

GYM 2026

Geomatics Youth Meeting - Rome, February 2-3, 2026

Sala degli Affreschi, via Eudossiana 18, Sapienza University of Rome

Program

February 2, 2026 Thursday

14.00 Opening

14.15-16.30 Remote Sensing

Di Benedetto, "Assessment of Masonry Wall Deformation through Vertical Displacement Gradients Using COSMO-SkyMed SAR Interferometry: The Case Study of Archaeological Park of Pompeii"
Kilsedar, "Digital Twins for Disaster Management in Urban Areas"
Maset, "From SLAM-Based Surveying to Autonomous Robotic Mapping"
Oxoli, "A Prototype EO-Based Framework for Simulating Urban Intervention Effects on Land Surface Temperature"
Belcore, "Proximal sensing for agriculture and environmental monitoring"

17.00-18.50 Remote Sensing and GIS

Maltese, "Remote Sensing Research Activities of the Geomatics Group at the University of Palermo"
Salmona, "A statistical tool for creating landslide susceptibility maps in GIS environment"
Vavassori, "Using climate reanalysis, crowdsourced, and EO data for monitoring extreme heat conditions in urban areas"
Aldrighettoni, "Multi-sensor geomatics for analysis and monitoring of the built environment and territory: photogrammetric techniques, LiDAR and remote sensing for cultural heritage and precision farming"

20.00 Social dinner - La Vecchia Roma, Via Leonina 10, Roma

February 3, 2026 Friday

8.30-10.30 Heritage and Monitoring

Treccani, "Geomatics for UNESCO Heritage: Accessibility, Urban Surveying, and Digital Models"
Teppati Losè, "3D documentation techniques supporting the knowledge and promotion of Built and Cultural Heritage"
Yordanov, "Integrated Approaches for Air Quality Monitoring in the SpaceltUp! Project"
Colucci, "GIS & 3D documentation: heritage, risk & communities in transformation"

11.00-13.00 Heritage and GeoAI

Sammartano, "Reality-based adaptive 3D models for multi-scale structural analysis of failure mode in cross masonry vaults"
Zollini, "Geomatics techniques for risk analysis and conservation"
Matrone, "GeoAI and neuro-symbolic AI for the environment and architectural heritage"
Belloni, "Infrastructure monitoring using photogrammetry and AI"

13.15 Closing