

Program

January 16, 2024 Tuesday

14.00-16.15 Cultural heritage and point cloud processing

Matrone, "GeoAI for cultural heritage and environmental applications"
Ravanelli, "3D reconstruction of archaeological objects"
Teppati Losé, "Surveying and documentation for cultural heritage"
Treccani, "Cultural heritage point cloud processing"
Alicandro, "Photogrammetry and multispectral imagery for crack detection and decay recognition"
Genzano, "Satellite remote sensing techniques for monitoring vegetated area"
Pierdicca, "GEO-AI methods"

16.20-18.20 3D surveying, GNSS, navigation and geodesy

Di Pietra, "Recent advances in UWB positioning with mass market portable devices"
Previtali, "Orientation of 360 image acquired by low cost cameras and integration with GNSS"
Ferrando, "Experiences and advances in atmospheric monitoring through GNSS"
Bruno, "Close-range spherical photogrammetry"
Belloni, "Structural monitoring by means of digital image correlation"
Oxoli, "PRISMA Hyperspectral Imagery for Local Climate Zone Mapping"
Di Ciaccio, "The synergy of geomatics and Deep Learning for improved attitude estimation and environmental monitoring"
Cutugno, "On the development of a low cost device for PPP-RTK positioning"

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

January 17, 2024 Wednesday

8.30-10.30 Remote sensing and GIS

Colucci, "Remote Sensing and GIS for risk mapping (wind hazard mapping through satellite-based and aerial-drone-based data)"
Fugazza, "Earth observation and photogrammetry for glacier monitoring"
Rossi, "Designing satellite missions for measuring and monitoring the variations of the gravitational field"
Franzini, "Strategies for data acquisition, validation, and management in city digital twins"
Salmona, "Statistical analysis of landslide susceptibility in GIS environment"
Maltese, "Remote sensing-based vegetation and coastal monitoring"
Mangiameli, "Remote sensing and GIS for landscape archaeology and climate change"

10.45-12.45 Proximity sensing, UAV, AUV/UUV

Vecchi, "UAV photogrammetric surveys and GIS-based procedures for environmental monitoring"
Alcaras, "GIS tools for coastline extraction from satellite multispectral images"
Maset, "Multi-temporal photogrammetry and laser scanning for monitoring sediment dynamics in mountain torrents"
Lambertini, "Challenges of monitoring by unmanned vehicles: UAV and UUV"
Belcore, "Proximity sensing and Geomatics for precision agriculture"
Nocerino, "Geomatics for underwater surveying"
Dubбини, "Proximity sensing with multispectral cameras"