

Ruggero Palumbo

Engineer, technical officer at the municipality of Matera

PROFILE

Currently engineer, technical officer at the municipality of Matera. Previously Manager of SIT (Mermec) for over 10 years expert in GIS and aerial survey, uav, mobile mapping (railway, air and road systems), tender management and technical offer, I managed a BU of over 100 people. Research activities concerning remote sensing techniques applied to hydrological quantities, development of algorithms, control and configurations of Eddy Covariance thermo-pluviometric meteorological control units - In particular he has developed techniques for environmental monitoring with Hyperspectral, Landsat, Envisat, Ikonos images, QuickBird, SAR, Modis, Aster. In recent years he has also carried out research activities concerning the processing of SAR COSMO / SkyMed data for monitoring coastal erosion. He has also carried out numerous works at the University of Basilicata dedicated to the monitoring of environmental parameters through the use of remote sensing and satellite images, developing during his thesis work an algorithm for the estimation of real evapotranspiration by Envisat - and an algorithm for the estimation of climate change on a global scale with the use of inputs from satellite data - in collaboration with the ASI headquarters in Matera.

CONTACTS



LANGUAGES

Italian

English

IT Skills

Excel	★ ★ ★ ★ ★
PowerPoint	★ ★ ★ ★ ★
Word	★ ★ ★ ★ ★
Photoshop	★ ★ ★ ★ ★
GIS software	★ ★ ★ ★ ★
UAV software	★ ★ ★ ★ ★
Satellite image sw	★ ★ ★ ★ ★

University lectures

1. Contract university professor at the University of Basilicata of GIS and WebGIS
2. Lecturer at the Laser Center as part of the course
3. Lecturer at E-GEOS (ASI / TELESPAZIO company) in the course of (Mapping through P-band SAR sensors of the territory of the Republic of Panama)
4. Theoretical lessons and workshops of "Remote Sensing" R.Palumbo (SIT S.r.l.); International Summer School 2011 - Intini Noci Group, Bari
5. Hydrogeology lessons at the University of Basilicata as a GIS expert - at the chair of Prof. Giuseppe Spilotro

PROFESSIONAL EXPERIENCES

Engineer, technical officer at the municipality of Matera

Municipality of Matera | 2021 – to date

- Research, study and processing of data on the basis of economic and financial planning and the preparation of documents for the processing of the various accounting and financial documents; acquisition, processing and illustration of data and technical standards in order to prepare projects relating to the construction and / or maintenance of buildings, plants, prevention systems, etc.

Engineer Aerial survey and geographical data processing

Mermec Engineering, SIT, Aerosigma Noci, Monopoli, Grottaglie | 2010 - 2021

- Coordinator and manager of aerial operations and GIS production data processing. He is also involved in business development, sales, drafting of technical offers for tenders, strategic plans, budgets, forecasts and reporting of the Group, working in direct contact with the management of the Angel group (Mermec, SITAEL). UAV Pilot (ENAC approved) - Lidar data analyst - object-Based Point Cloud Analysis. Head of aeronautical organization SPO, I have gained operational and technical experience in the field of aerial surveys both as an on-board operator and in the field of Data processing: Optical, Lidar, Multispectral, Photogrammetric, inertial data processing (GPS \ IMU), in the Coordination of Flights, and in the development and integration of sensors for aerial surveys and their use. Expert GIS operator on ESRI platform, teacher of basic and advanced GIS courses for numerous professional orders (Engineers, Geologists, Architects) and on Qgis open platforms. I dealt with all the installation of the sensors, their integration between different types of acquisition, Lidar - Optical - Hyperspectral - Thermal Oblique. Responsible for orders worth > 100M euros.

TRAINING

- 2021 PM - International Business Management Instituted (Berlin Germany) - Certificate ID 387461-161-434-7330
- 2018 Adjunct Professor at Unibas - University of Basilicata
- 2014 APR Pilot - Certificate - ITA-RP-000017620ACJ (A1 - A3 Open Category)
- 2014 Adjunct Professor at PoliBA - Polytechnic of Bari
- 2012 Qualification for the profession of Engineer Matera - Italy - Professional Order
- 2012 Registered in the Register of Technical Consultants and Experts at the Court of Matera since 2012
- 2007 Master's Degree in Civil Engineering and for the Environment and Territory - Water Management and Planning specialization - grade 110/110
- 2001 Scientific Maturity Matera - Italy - Liceo Scientifico D. Alighieri