



Optical remote sensing expert

We offer a permanent part-time or full-time position as **remote sensing expert** at AVT Airborne Sensing Italia in Trento (Italy).

You will be working with hyperspectral aerial images acquired by AVT and assist in project management and customer support.

Job responsibilities:

- To analyze the airborne remote sensing scenarios and evaluating customer requirements;
- To process data acquired by VNIR and SWIR aerial / satellite borne optical instruments for analysis and classification, including radiometric and geometric processing, using tools available at AVT or implemented by the candidate;
- To design procedures to generate the customized products and assess the quality;
- To participate to R&D projects and conduct tests in collaboration with universities and research centers;
- To support marketing and sales, for example through the preparation of demo data, presentations, technical offers, participation at business events;
- To support during proposal phases.

Specific skills:

- Practical experience in remote sensing, GIS, EO data processing;
- Good knowledge of machine learning, neural networks, ensemble learning techniques;
- Familiarity with spatial image processing and GIS algorithms;
- Language skills: English (fluent speaking and writing), German (basic).

Desirable knowledge:

- Programming experience and skills in Python, R or IDL;
- Proven experience in one or more of the following application fields: atmospheric corrections, remote sensing for geological applications, land cover classification;
- Practice in using tools for hyperspectral aerial image processing (i.e. ATCOR, CaliGEO, ENVI).

Education and experience:

- A MSc. degree, or higher, in Remote sensing, Earth sciences, Telecommunication / Electronic Engineering or equivalent scientific titles;
- At least 2-year experience in optical remote sensing.

Personal skills:

- Ability to work both independently and in international teams;
- Ability to interact with industries, public administrations and scientific communities;
- Flexibility to visit customers and attend exhibitions and other business events;
- Well-structured and capable of meeting deadlines.



Further information:

- The office is located in Trento (Italy), via alla Cascata 56C.
- Starting time is March / April 2023.

Interested applicants are invited to send in their CV/resume to AVT Airborne Sensing Italia (avt.asi@avt.at) before **28th February 2023**.

Trento, 23rd January, 2023.