PhD scholarship within the Italian “National PhD Course in Earth Observation”

Deadline for the application is 10 July.

**Analysis of hyperspectral satellite data for inland coastal and marine waters**

This PhD work will focus on the development of methodologies for the retrieval of water quality and biogeophysical parameters from hyperspectral satellite data (PRISMA, EnMAP, PACE) and/or in situ hyperspectral radiometry to describe inland, estuarine, coastal and shelf ecosystems. This work will involve acquisition and analysis of measurements of bio-optical properties in optically complex waters, parametrization of radiative transfer models, and assessment of inversion or machine learning approaches for the parameter retrieval.

CNR-ISMAR, Rome. Tutor Dr. Vittorio E. Brando, vittorio.brando@cnr.it

Detailed information about the call for application to the “National PhD Course in Earth Observation”: https://phd.uniroma1.it/web/concorso40.aspx?i=3862&l=EN

For the application, the candidate must upload on the online platform https://www.uniroma1.it/en/pagina/phd-application-form:

- A motivation letter to:
  - illustrate ideas and objectives of the proposed research, starting from the state of the art, including bibliographic references if useful
  - highlight candidate’s experiences and skills useful to the development of the proposed research
  The letter must not exceed 2 pages (Arial font, size 10, margins 2cm) and can contain figures / tables.
- A curriculum vitae prepared following this template:
  https://phd.uniroma1.it/dottorati/docs/Template%20Curriculum%20Vitae%20-%20DNOT%20-%20IT-EN.docx
- Up to three recommendation letters by a lecturer/professor

Detailed instructions to upload the application documentation are available at:
https://www.uniroma1.it/sites/default/files/user/1824/eng_applicationssubmitiontutorial_39cycle_0.pdf

Oral interviews are scheduled for 22 July 2024.

We will welcome candidates’ enquiries while drafting the motivation letter that includes the proposed research activities.