



**Remote Sensing Laboratory**

Department of Information Engineering and Computer Science  
University of Trento

## Call for Post-Doctoral Positions

The Remote Sensing Laboratory at the Department of Information Engineering and Computer Science of the University of Trento is looking for young Ph.D. interested in two years postdoc positions in the field of pattern recognition, remote sensing and radar topics. The researchers will be part of an international group of around 12 people including faculty members, post-doc and doctoral students.

**Subject:** The fellowships are open to young Ph.D. interested in developing research in the field of pattern recognition, image/signal processing or radar with specific application to remote sensing. In particular, the activity should be focused on one (or more) of the following topics:

- Hyperspectral image analysis and classification;
- Advanced machine learning techniques for remote sensing data analysis;
- Analysis of very high resolution (VHR) multispectral images;
- Analysis of VHR SAR images (e.g. building detection, object extraction, etc.);
- Analysis of subsurface radar sounder signals for icy shell monitoring on the Earth (Antarctica, Greenland, Antarctica) and on planetary bodies (e.g. Mars polar caps; Europa, Ganymede and Callisto Jupiter moons).

For a more complete overview of the fields of interest of the Remote Sensing Laboratory please refer to <http://rslab.disi.unitn.it/>.

**Requirements:**

- Ph.D. in fields like Electrical Engineering, Communication Engineering, Remote Sensing, Computer Science or equivalents.
- Excellent knowledge in one or more of the following fields: pattern recognition, image/signal processing, machine learning, remote sensing, synthetic aperture radar, radar.
- Excellent motivation in developing research activities both at theoretical and application levels.
- Good expertise in programming languages like C, C++, Matlab or equivalent.
- Excellent knowledge of written and spoken English.
- A good CV in terms of publications, project management, etc.

**Benefits:**

- The fellowship amount will be established according to the candidate CV.
- Developing research in one of the world leading research laboratory in the field of remote sensing.



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***Application Procedure:***

Interested candidates should send the following information via e-mail to Prof. Lorenzo Bruzzone (see below):

- An extended CV in English;
- A detailed list of publication;
- A short statement with the expectation from the PostDoc activity.

The selected candidates should join the Remote Sensing Laboratory starting in a period between May 2010 and December 2010.

***Contact Person:***

Prof. Lorenzo Bruzzone  
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