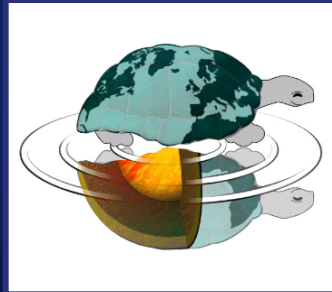




UNIVERSITÀ DEGLI STUDI DI MILANO

Corso di Dottorato in  
Scienze della Terra



Department of Earth Sciences

**Short Course**  
**Remote Sensing & Image Analysis**  
**Applications**  
**in**  
**Earth Sciences**  
**Rihana PEIMAN, Ph.D**

24 November- 1 December 2015

Tuesday 24 November hrs. 10:30-13:30/ 14:30-16:30

Wednesday 25 November hrs. 10:30-12:30/ 13:30-14:30

Thursday 26 November hrs. 9:30-12:00/ 13:00- 14:30

Friday 27 November hrs. 9:30-12:30

Monday 30 November hrs. 9:30-12:30

Tuesday 1 December hrs. 9:30-12:30/ 14:30-17:30



**Program**

- I) An Introduction to Remote Sensing
- II) LiDAR & Optical Satellite Imagery: Multispectral vs. Hyperspectral
- III) Digital Image Processing
- IV) Image Transformation Techniques
- V) Image Classification Techniques (Pixel- based vs. Object- based)
- VI) Classification Accuracy Assessment of Remotely Sensed Data
- VII) Land Cover & Land Use Change & Post-Classification Change Detection Technique
- VIII) The Role of GIS in RS Studies & Topographic Features
- IX) Remote sensing Applications in the Earth Sciences
- X) Laboratory work: Satellite Image Pre-Processing & Imagery Classification Using Some Traditional & Modern Approach

The contact information for the course registration: [guglielmina.diolaiuti@unimi.it](mailto:guglielmina.diolaiuti@unimi.it)