Program

I) An Introduction to Remote Sensing
II) LiDAR & Optical Satellite Imagery: Mutispectral 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