

URD_2

Title of the doctoral program

Urban and regional development

Title of the research activity

Geomatics and Emergency Management

Short description of the research activity

In recent years, growing attention is paid to Geomatics when used for disaster management applications. This is essentially due to the large variety of remotely acquired imagery available for the extraction of geometric and thematic features in order to map, delineate and grade natural disasters impacts. Another key point is the quick availability of those images in rapid mapping procedures in order to deliver the data (reference and thematic) to concerned users.

Scientific responsible (name, surname, role, email)

Piero Boccardo, Associate Professor, piero.boccardo@polito.it

Number of vacancies for XXXI cycle (3 years program)

2

Specific requirements (experiences, skills)

Good experience in the field of Geomatics, with particular attention to Remote Sensing, Mapping and GIS management. Programming languages (e.g. Python), spatial libraries (GeoExt, Map Server, etc.) and general frameworks (e.g. Django) are considered a possible must. An emergency management background would be strongly appreciated.

Website of the research group (if any)

<http://www.ithacaweb.org>