ALERT - Geomaterials Application Form

Team:	*Politecnico di Torino - Geomaterials*
Responsible ALERT member:	*Renato Lancellotta* *renato.lancellotta@polito.it*
Link to the website:	*Link: http://www.polito.it/soilmech/favorite%20links.htm*
Size of the research group:	*20*

Researchers	Topic(s) of interest
Renato Lancellotta	*Topic 1.1 Porous media theory, Consolidation, Biot Theory* *Topic 1.2 Wave Propagation, site characterization* *Topic1.3 Experimental soil behaviour, laboratory tests, soil mechanics*
Claudio Scavia	*Topic 1.1 Rock Fracture Mechanics, shear propagation, numerical methods* *Topic 1.2 slope stability, large landslides, hazard and risk analysis* *Topic1.3 Rock avalanches, Numerical analysis, Runout* *Topic 1.4 Scale effects, fracture density*
Daniele Costanzo	*Topic 2.1 Experimental soil behaviour, laboratory tests, soil mechanics* *Topic 2.2 Foundation Engineering, Piles, Shallow Foundations*
Marta Castelli	*Topic 2.1 Rock Fracture Mechanics, shear propagation, numerical methods* *Topic 2.2 Slope stability, large landslides, hazard and risk analysis* *Topic 2.3 Scale effects, fracture density*
Sebastiano Foti	*Topic 1.1 Surface Waves, Site Characterization, In situ tests* *Topic 1.2 Laboratory tests, Electrical Resistivity, Wave Propagation* *Topic1.3 Scour of foundations, Dynamic tests, Modal Identification* *Topic 1.4 Geotechnical Earthquake Engineering, Earth Retaining Structures, Seismic design*

Post-docs	Topic(s) of interest[1]
Cesare Comina	*Topic 1.1 Surface Waves, Site Characterization, In situ tests* *Topic 1.2 Laboratory tests, Electrical Resistivity, Wave Propagation* *Topic 1.3 Geotechnical Earthquake Engineering, Earth Retaining Structures, Seismic design*
Stefania Marello	*Topic 1.1 Shear bands, biaxal tests, X-Ray tomography* *Topic 1.2 planar landslides, mechanical and mineralogical characterization, water influence*
Marina Pirulli	*Topic 2.1 Rock avalanches, Numerical analysis, Runout*

Present PhD students	Title of the thesis
Claudia Festa	*Seismic waves and electrical resistivity for laboratory testing*
Alessandra Carrera	*Mechanical behaviour of tailing materials*
Valentina Gallo	*A cohesive model for the analysis of progressive failure in geomaterials*
Margherita Maraschini	*Surface waves tests underwater*
Alessia Barberis Pinlung	*A numerical method for the analysis of the runout of debris flows and rock avalanches*
Daniele Boiero	*Surface wave tests based on microtremor analysis*
Alberto Pettiti	*Seismic design of earth retaining structures*
Gabriele Pisani	*Analysis of the mechanical behaviour of large landslides*