

ETH ZURICH - POLITECNICO DI BARI

Joint Summer School in Geotechnics

Bari, 11 June 2015 9:30 am

DICATECh room - Politecnico di Bari

Workload: 2 ECTS for the 2-days school

Introduction and welcome

Prof. Eugenio di Sciascio – Rector of Politecnico di Bari

Prof. Umberto Fratino – Director of DICATECh

Prof. Michele Mossa – Coordinator of the DICATECh PhD Course

Prof. Alexander Puzrin – ETH Coordinator of the Joint Summer School – ETH, Zurich

11:30 – 11:45 Gaetano Falcone (PhD Student Politecnico di Bari)

Numerically-based seismic microzonation: the case of Bovino (FG)

11:45 – 12:00 Andreas Stöcklin (PhD Student ETHZ)

Triaxial testing and modelling the response of different clays under cyclic loading

12:00 – 12:15 Simona Guglielmi (PhD Student Politecnico di Bari)

Investigating microstructural changes that are background of model parameter values of the macro-behaviour of clays – layout of the research

12:15 – 12:30 Francesca Sollecito (PhD Student Politecnico di Bari)

*Investigation of the hydro-mechanics of contaminated fine sediments – layout of the research***Session I**

Chairman: Prof. Angelo Amorosi

10:00 – 10:15 Pascal Minder (PhD Student ETHZ)

Enhanced delivery of chemical agents in soil improvement applications

10:15 – 10:30 Annamaria di Lernia (MSc, PhD Politecnico di Bari)

3D Finite Element numerical approaches for dynamic Soil-Structure Interaction

10:30 – 10:45 Philipp Oberender (PhD Student ETHZ)

*Observation guided constitutive modeling of a creeping landslide for hazard mapping***Session III****Geotech-room_Politecnico di Bari**

14:30 – 15:00 Short presentation of the field trip – ‘Landslides in the Daunia Apennines’ (Prof. Federica Cotecchia)

15:00 – 15:30 Visit to the Geotechnical Laboratory “Gregorio Melidoro”

Session II

Chairman: Dr. Claudia Vitone

11:15 – 11:30 Balz Friedli (PhD Student ETHZ)

*Investigation of Soil Nonlinearity at Small Strains using Ground Buried Fibre Optic Sensors***Scientific Committee:**

Prof. Alexander Puzrin (ETHZ), Prof. Federica Cotecchia (Politecnico di Bari), Prof. Angelo Amorosi (Politecnico di Bari), Dr. Francesco Cafaro (Politecnico di Bari), Dr. Claudia Vitone (Politecnico di Bari)

Technical Committee:

Dr Annamaria di Lernia; Dr Osvaldo Bottiglieri; Gaetano Falcone (PhD Student); Simona Guglielmi (PhD Student); Francesca Sollecito (PhD Student); Nicola Melidoro (MSc); Rossella Petti (MSc); Francesco Todaro (MSc).

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