



**Università degli Studi di Napoli Federico II**  
*Dipartimento di Ingegneria Civile,  
Edile e Ambientale*

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Nei giorni 29 Febbraio, 1 e 2 Marzo 2016 si terrà in Aula Bobbio nell'edificio di Piazzale Tecchio della Scuola Politecnica della Federico II un workshop internazionale di Geotecnica il cui programma è riportato di seguito:

**Monday, February 29<sup>th</sup> - Tunnelling – Ore 9,30:13,00 – 15,00 : 18,00**

Convenor: Giulia VIGGIANI, University of Roma Tor Vergata, Italy

Robert MAIR, University of Cambridge, UK. *The Influence of Tunnelling on Piled Foundations*  
Stefan RITTER, University of Cambridge, UK. *The response of surface structures to tunnelling in sand: an experimental investigation*  
Angelo AMOROSI, University of Roma La Sapienza, Italy - *Modelling tunnelling-induced deformations of surface structures*  
Silvia AUTUORI, University of Napoli Federico II - *S. Pasquale station: monitoring and back analysis*

**Tuesday, March 1<sup>st</sup> - Pile foundations - Ore 9,30:13,00 – 15,00 : 18,00**

Convenor: Carlo VIGGIANI, University of Napoli Federico II, Italy

Rodrigo SALGADO, Purdue University, USA - *The Mechanics of the Axial Loading of Piles in Sand*  
Monica PREZZI, Purdue University, USA - *Validation of Methods of Analysis and Design of Pile Foundations using Laboratory and Field Experiments*  
Gianpiero RUSSO, University of Napoli Federico II - *Analysis and design of pile foundations: an overview*  
Raffaele DI LAORA, Luca de SANCTIS, Seconda Università di Napoli, Italy - *Effects of soil-structure interaction on the seismic response of pile-supported buildings*

**Wednesday March 2<sup>nd</sup> - Advanced experimental Geomechanics - Ore 9,30:13,00 – 15,00: 18,00**

Convenor: Cino VIGGIANI, Université Grenoble Alpes, France

Carlos SANTAMARINA, KAUST Saudi Arabia - *100 years of Experimental Geomechanics: New Directions*  
Edward ANDO', CNRS, Grenoble, France - *Tomography: access to grain-scale processes in geomaterials*  
Claudia VITONE, Politecnico di Bari, Italy - *Geomechanical characterisation of complexities in clays: experimental studies*  
Erika TUDISCO, University of Lund, Sweden - *Neutron imaging of rock mechanics experiments*

Prof. Emerito Carlo Viggiani

Prof. Gianpiero Russo