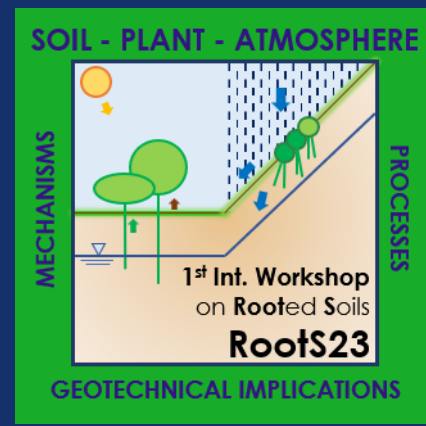


# 1<sup>st</sup> International Workshop on Rooted Soils\_RootS23

## SOIL-PLANT-ATMOSPHERE INTERACTION: MECHANISMS, PROCESSES AND GEOTECHNICAL ENGINEERING IMPLICATIONS

The topic of the Workshop is broad and multidisciplinary, spanning several scientific fields, each contributing to the investigation and modeling of specific aspects of the soil and plant behavior under variable climatic conditions.



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DIPARTIMENTO  
DI INGEGNERIA

Politecnico  
di Bari

**Thursday 20<sup>th</sup> – Friday 21<sup>st</sup> April 2023**

**PERUGIA, Italy**

**Department of Engineering,  
University of Perugia**

**Scientific Committee**

*Manuela Cecconi\_University of Perugia*

*Federica Cotecchia\_Politecnico of Bari*

*Vincenzo Pane\_University of Perugia*

*Vito Tagarelli\_Politecnico of Bari*

**20** invited lectures\_ **2** open discussion from the floor\_ in **3** half days

**The presentations will address the following topics:**

Plant's physical and hydrological properties

Root architecture and properties

Experimental evidences of the effects of vegetation on soil hydrological and mechanical conditions

THM numerical analysis of the soil-vegetation-atmosphere interaction

Ground bio-engineering techniques for shallow slope stability

Case studies and/or physical modelling

**Download the preliminary programme**



To confirm your participation, please write to:

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