

Linking fabric, structure and soil behaviour: Recent advancements

A half day seminar at Imperial College London

1:00 – 4:30 pm 21th March 2018, followed by Rankine lecture at 5:30pm

ISSMGE Technical Committees:

TC 105 Geo-Mechanics from Micro to Macro

TC101 Laboratory Testing

Chair: Prof. Lidija Zdravkovic, Imperial College London

Session 1: Fabric at micro and macro scales		1:00 – 2:30
<i>Quantifying fabric and considering its effects</i>	Prof. Catherine O’Sullivan Imperial College London UK	1:00 – 1:20
<i>Fabric-sensitive soil mechanics</i>	Dr. Antonio Carraro Imperial College London UK	1:20 – 1:40
<i>How well can we measure the evolution of sand micro-structure?</i>	Prof. Cino Viggiani Université Grenoble Alpes France	1:40 – 2:00
<i>Discussion</i>	All	2:00 – 2:30
Coffee break		2:30 – 3:00
Session 2: Structure and soil behaviour		3:00 – 4:30
<i>Soil structure: Enduring memory</i>	Prof. J. Carlos Santamarina KAUST Saudi Arabia	3:00 – 3:20
<i>Structure in soils of different geological origins</i>	Prof. Matthew Coop University College London UK	3:20 – 3:40
<i>Soil structure evolution and contribution in the context of bulk cargo shipping</i>	Dr. Chris Menkiti Geotechnical Consulting Group UK	3:40 – 4:00
<i>Discussion</i>	All	4:00 – 4:30

Venue:

Imperial College London, Department of Civil & Environmental Engineering
Skempton Building, London SW7 2BU

Main room:

LT 164 – ground floor, Skempton Building

Overflow room:

LT 201 – first floor, Skempton Building

All welcome, registration not required