

# 2023

## 10<sup>th</sup> European Conference on Numerical Methods in Geotechnical Engineering

26<sup>th</sup>-28<sup>th</sup> June, 2023

Imperial College London

### Welcome to NUMGE2023

The 10th European Conference on Numerical Methods in Geotechnical Engineering (NUMGE 2023) will be held at Imperial College London, on 26 - 28 June 2023. This series of conferences, organised by the ERTC7 (European Regional Technical Committee 7 for Numerical Methods) under the auspices of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE), started in 1986 (Stuttgart, Germany), followed by conferences every four years: Santander, Spain, in 1990, Manchester, United Kingdom, in 1994, Udine, Italy, in 1998, Paris, France, in 2002, Graz, Austria, in 2006, Trondheim, Norway, in 2010, Delft, The Netherlands, in 2014 and Porto, Portugal, in 2018.

NUMGE2023 will provide a forum for academics, researchers and engineering practitioners to meet and discuss the current state-of-the-art in numerical methods in Geotechnical Engineering and highlight current challenges faced in their application to geotechnical problems. In particular, NUMGE2023 will deliver an opportunity to anticipate, conceive and discuss future developments in this dynamic and ever-evolving field of knowledge.

The conference will feature a special tribute to the late Professor Scott Sloan, a long-serving member of the ERTC7.

### The venue

The conference will be held at Imperial College London, in the Skempton and City & Guilds buildings, at the heart of the South Kensington Campus in Central London, close to Hyde Park and surrounded by the historic Science Museum, Natural History Museum and Victoria & Albert Museum.

### Call for abstracts

Prospective authors are invited to submit abstracts, covering the conference themes, via the conference website [www.imperial.ac.uk/numge-2023](http://www.imperial.ac.uk/numge-2023).

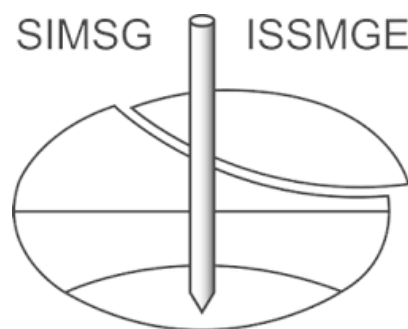
The abstracts should not exceed 200 words and should be written in English, which is the conference language.

## Imperial College London

### Conference themes

*Constitutive modelling for saturated and unsaturated soils*  
*Finite element, finite difference, discrete element, material point and other methods*  
*Coupled analysis*  
*Geotechnical earthquake engineering*  
*Probabilistic and inverse analysis*  
*Machine learning and artificial intelligence*

*Dams, embankments and slopes*  
*Excavations and retaining structures*  
*Shallow and deep foundations*  
*Tunnels and mining applications*  
*Reinforcements and ground improvement*  
*Offshore geotechnics*  
*Geo-energy & energy geotechnics*  
*Regulations and codes*



### Scientific Committee (ERTC7)

#### Chair

Helmut Schweiger, Austria

#### Core members

Manuel Pastor, Spain

David Potts, UK

Juan M. Pestana, USA

#### National representatives

Orestis Adamidis, Switzerland

Pedro Alves Costa, Portugal

Ronald Brinkgreve, The Netherlands

Albert Bolle, Belgium

Emmanuel Bourgeois, France

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Harvey Burd, UK

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Mirva Gega, Albania

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Hans Petter Jostad, Norway

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Juho Mansikkamäki, Finland

Lena Mihova, Bulgaria

Steinar Nordal, Norway

Yiorgos Perikleous, Cyprus

Mohamed Rouainia, UK

Ernestos Sarris, Cyprus

Zsolt Szilvagy, Hungary

### Local Organising Committee

Stavroula Kontoe

David Taborda

Aikaterini Tsiampousi

Lidija Zdravkovic (Chair)

email: [numge2023@imperial.ac.uk](mailto:numge2023@imperial.ac.uk)

### Important dates

**15<sup>th</sup> July 2022**

**Deadline for submitting abstracts**

1<sup>st</sup> September 2022

Notification of accepted abstracts

15<sup>th</sup> November 2022

Deadline for submitting manuscripts

1<sup>st</sup> March 2023

Deadline for revised manuscripts

15<sup>th</sup> March 2023

Notification of accepted manuscripts

June 2022-March 2023

Early bird registration

April 2023-June 2023

Normal registration

26<sup>th</sup>-28<sup>th</sup> June 2023

Conference