



NUMGE 2018

9th European Conference on Numerical Methods in Geotechnical Engineering

25-27 June, 2018
Porto, Portugal

www.numge2018.pt

Welcome to NUMGE 2018

The European Regional Technical Committee (ERTC7) has the pleasure of inviting you to attend the 9th NUMGE Conference on Numerical Methods in Geotechnical Engineering in Porto, Portugal, 25-27 June 2018. This conference is the ninth in a series of conferences on Numerical Methods in Geotechnical Engineering organized by the ERTC7 under the auspices of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE).

The first conference was held in 1986 in Stuttgart, Germany, and the series continued every four years (1990 Santander, Spain; 1994 Manchester, United Kingdom; 1998 Udine, Italy; 2002 Paris, France; 2006 Graz, Austria; 2010 Trondheim, Norway; 2014 Delft, The Netherlands).

The conference provides a forum for exchange of ideas and discussion on topics related to numerical modelling in geotechnical engineering. Both senior and young researchers, as well as scientists and engineers from Europe and overseas, are invited to attend this conference to share and exchange their knowledge and experiences.

Important dates

May 28th 2017
Deadline for abstract submission

Until July 30th 2017
Notification of accepted abstracts

November 26th 2017
Deadline for submitting (accepted) paper manuscripts

Until January 7th 2018
Review of manuscripts

February 25th 2018
Deadline for final paper submission

25-27 June, 2018
Conference
Porto,
Portugal

Call for Abstracts

Prospective authors are invited to submit abstracts covering the conference topics presented next. The abstracts should not exceed 300 words and have to be written in English, which is the conference language. Abstracts have to be submitted online via the NUMGE2018 website: www.numge2018.pt.

More information and guidelines can be found on the conference site. See also Important dates in this flyer. All the accepted papers will be published in the proceedings. Also, all the accepted papers will be presented orally or as poster during the conference.

Conference Themes

The Scientific and Organizing Committees of NUMGE2018 invite geotechnical engineering researchers and practical engineers to submit abstracts on scientific achievements, innovations and engineering applications related to or employing numerical methods. Abstracts on all subjects concerning the general theme of the conference are acceptable.

Regarding the theoretical themes, the following are pointed out, among others:

- › Constitutive modelling and numerical implementation.
- › Numerical algorithms and theoretical aspects.
- › Finite element, discrete element and other numerical methods. Coupling of diverse methods.
- › Reliability and probability analysis.
- › Large deformation – large strain analysis.
- › Artificial intelligence and neural networks.
- › Ground flow, thermal and coupled analysis.
- › Unsaturated soil mechanics.
- › Earthquake engineering, soil dynamics and soil-structure interactions.
- › Rock mechanics.

Abstracts on practical applications are welcome, namely related to the following types of works:

- › Application of numerical methods in the context of the Eurocodes.
- › Shallow and deep foundations.
- › Slopes and cuts.
- › Supported excavations and retaining walls.
- › Embankments and dams
- › Tunnels and caverns (and pipelines).
- › Ground improvement and reinforcement.
- › Offshore geotechnical engineering.
- › Propagation of vibrations and mitigation measures.

Conference Venue

The conference will take place in Porto, Portugal. Located along the Douro river estuary in Northern Portugal, Porto is one of the oldest European centers, and its historical downtown was proclaimed a World Heritage Site by UNESCO in 1996. One of Portugal's internationally famous exports is a wine produced in the Douro Valley which received its name, "port", in the latter half of the 17th century from the Porto city.

Porto, famous as a historical, cultural and tourist city, was elected The Best European Destination, in 2012, 2014 and 2017. For further information about Porto, please visit: www.visitporto.travel

The venue of the conference will be the Faculty of Engineering, located in the Asprela Campus of University of Porto (UPorto). Over 30.000 students are studying at UPorto. More details about UPorto can be found at www.up.pt

Organizing Committee Chairman

António Silva Cardoso,

António Topa Gomes
Castorina Vieira
José Couto Marques
José Leitão Borges
Pedro Alves Costa

Scientific Committee (ERTC7)

The Scientific Committee consists of the Chairman of the European Regional Technical Committee 7 together with the core members and the national representatives of several countries:

Chairman

Cesar Sagaseta, Spain

Core members

Philippe Mestat, France
Steinar Nordal, Norway
Manuel Pastor, Spain
Juan Pestana, USA
David Potts, United Kingdom
Helmut Schweiger, Austria
Scott Sloan, Australia

National Representatives

Sergey Aleynikov, Russia
Pedro Alves Costa, Portugal
Katalin Bagi, Hungary
Ronald Brinkgreve, The Netherlands
Imre Bojtár, Hungary
Albert Bolle, Belgium
Harvey Burd, United Kingdom
Annamaria Cividini, Italy
George Dounias, Greece
Torbjörn Edstam, Sweden
Pit (Peter) Fritz, Switzerland
Maciej Gryczmański, Poland
Frands Haahr, Denmark
Ivo Herle, Czech Republic
Fritz Kopf, Austria
Tim Länsivaara, Finland
Tom Schanz, Germany
Herbert Walter, Austria

Contact

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Conference fees

Early registration
Before 1st March 2018
Delegates 500€
Students 300€

Late registration
After 1st March 2018
Delegates 600€
Students 350€