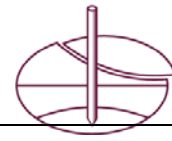




**ISSMGE FOUNDATION
REPORT ON CONFERENCE ATTENDANCE**

Your Name: Hoda Hany Mostafa, Ph.D.	Your Organization: Housing and Building National Research Centre (HBRC), Egypt.	Date of report: July 2023
Conference Title: 10th European Conference on Numerical Methods in Geotechnical Engineering 2023	Location of Conference: London, UK.	Dates of Conference: 26-28 June 2023
What you learned: <p>The 10th European Conference on Numerical Methods in Geotechnical Engineering is one of 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). The conference covered different areas and revealed various numerical analysis-based design and automation of workflow in geotechnical design in the following topics:</p> <ul style="list-style-type: none">➤ Constitutive modeling 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		
People you met: <p>I was fortunate to meet several researchers and practitioners at the conference, and had many useful discussions. Among the people I was honoured to meet:</p> <ul style="list-style-type: none">• Prof. Lidija Zdravkovic, Professor of Computational Geomechanics at the faculty of Engineering, Department of Civil and Environmental Engineering at the imperial college of london and the Chair of the conference.• Prof. Susan Gourvenec, Professor of Offshore Geotechnical Engineering at the University of Southampton.• Prof. Helmut Schweiger, Chairman of the Scientific committee (ERTC 7).• Dr. Angeliki Grammatikopoulou, Senior Partner at Geotechnical Consulting Group.• Dr. Anton Pillai, Associate Director at Arup, UK.		



Main features of conference:

The keynote lectures and the theme lectures presented by professors and experts of the field were very rich and valuable. Also, the technical sessions of the different panels, covering different numerical approaches in geotechnical engineering, were very useful and precious.

Your comments on the conference:

The conference was very well organized and the programme was professionally scheduled. The technical content as well as the logistics were perfectly handled. Many thanks to the organizing committee and the chairman of the conference.

Please attach short report (maximum 400 words) suitable for publication in the ISSMGE Bulletin:

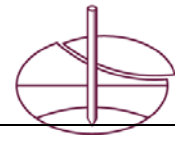
The 10th European Conference on Numerical Methods in Geotechnical Engineering (NUMGE 2023) was a great experience by all means. NUMGE 2023 is one of series of conferences, organised by the ERTC7 (European Regional Technical Committee 7 for Numerical Methods) under the auspices of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE). The conference provided 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 highlighted current challenges faced in their application to geotechnical problems.

The conference was packed with more than 350 participants from all over the world, where they shared and presented their research and scientific works throughout the 3 days of the conference. The keynote lectures as well as the theme lectures were outstanding as pioneers and practitioners in the field addressed various theoretical and practical topics in different subjects such as:

- Constitutive modeling for saturated and unsaturated soils
- Finite element, finite difference, discrete element, material point and other methods
- Coupled analysis
- Geotechnical earthquake engineering
- Dams, embankments and slopes
- Excavations and retaining structures
- Tunnels and mining applications
- Reinforcements and ground improvement
- Offshore geotechnics

The parallel sessions and accompanied discussions were very interesting. Different controversial topics in the field of numerical methods in geotechnical engineering were professionally addressed. It felt great to finally share ideas and research plans physically with pioneers in the field after the two years of online meetings. The conference was very well organized and the programme was professionally scheduled. The technical content as well as the logistics were perfectly handled. Many thanks to the organizing committee and the chairman of the conference for their great organization and thanks for pampering us with different lovely social events in London.

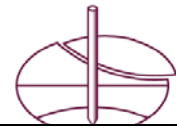
It was definitely an enriching experience and I would like to thank the ISSMGE Foundation for the financial support to participate in this amazing integrated conference. All the valuable information and knowledge, which were gained during the conference will be hopefully reflected in my research plans and publications, and most importantly will be shared with my colleagues in my home institute, the Housing and Building National Research Centre.



Photographs from Conference: Insert here or attach to email

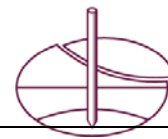


With Prof. Lidija Zdravkovic, Chairman of the conference

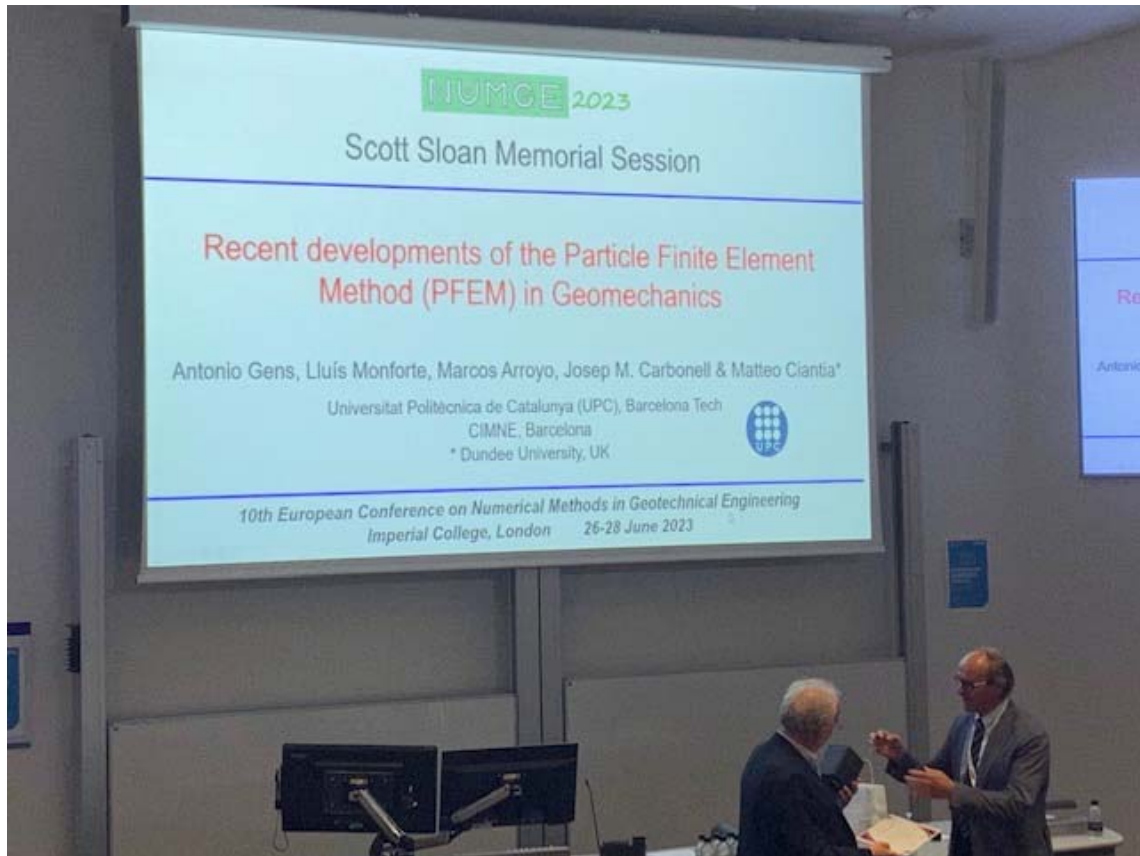
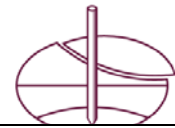


With Dr. Angeliki Grammatikopoulou, Senior Partner at Geotechnical Consulting Group

At the conference dinner: Boast cruise on the Thames



In front of the conference venue (Imperial college of London)



Scott Sloan Memorial Session, sponsored by Elsevier and moderated by Prof Helmet