ISSMGE FOUNDATION
REPORT ON CONFERENCE ATTENDANCE

Your Name: Faakirah Rashid	***Your Organization:*** Indian Institute of Technology Bombay, (IIT Bombay)	***Date of report:*** 26th Dec, 2025
Conference Title: The 17th International Conference of the International Association for Computer Methods and Advances in Geomechanics (IACMAG 2025)	***Location of Conference:*** Hong Kong	***Dates of Conference:*** 18th to 22nd Dec, 2025

What you learned:

I learned about the various technological advancements in the field of computational geomechanics. I had the opportunity to discuss my work in the form of my paper presentation related to " Determining Geothermal Potential of the Porous Sedimentary Oil Reservoir in Upper Assam Shelf, India". Furthermore, I also visited the labs associated with Environmental Geomechanics and Rock Mechanics at the Hong Kong Polytechnic University to gain insights into the type of work being pursued at the institute.

People you met:

During the conference, I met Prof. John Carter, Prof. Jian Hua YIN, Prof. Zhen-Yu, Prof. Marco Barla, Prof. Pijush Samui, and Prof. Lalit Borana. I also had some discussions and interactions with fellow research scholars who were working in the varied fields of computational geomechanics, like Mr Ankit Kumar, Mr Mohammad Salimi, and Ms Naina Deb.

Main features of conference:

There was participation of researchers working in the various fields of computational geomechanics. Around 6 parallel sessions were arranged by the conference committee, including Computational Particle Methods and Engineering Applications; Multiscale Modelling of Geomaterials; Modeling of Erosion of Soil and Rock; Intelligent Computational Geomechanics and Geoengineering; Computational Multiphysics for Porous Media; and Digital Twin in Civil Engineering: Bridging Data Sensing and Numerical Modeling. These sessions provided information related to the use of various computational resources, their calibrations, validations, applications, and limitations. Furthermore, there were also invited lectures from subject experts at the start of each session.

Your comments on the conference:

The 17th International Conference of the International Association for Computer Methods and Advances in Geomechanics (IACMAG 2025) is a very reputable conference that takes place every 3 years. I was fortunate to attend it this year, and it was very helpful in acquiring knowledge from various subjects experts, professors and other fellow researchers working in the field of geomechanics. I was able to present my paper, " Determining Geothermal Potential of the Porous Sedimentary Oil Reservoir in Upper Assam Shelf, India" and discuss it with session chairs and other researchers in the audience.

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

I attended the 17th International Conference of the International Association for Computer Methods and Advances in Geomechanics, 18th to 22nd Dec 2025. This event was particularly focused on Computational Geomechanics and Geoengineering. I presented my paper "Determining Geothermal Potential of the Porous Sedimentary Oil Reservoir in Upper Assam Shelf, India," where I discussed a developed computational methodology that can be utilised to determine the thermal properties of the oil and gas reservoirs using the basic wireline well log data of the oil and gas reservoirs. The presentation was a part of session 5, viz., Computational Multiphysics for Porous Media and was done in front of subject experts and researchers, some of whom were working in the field of Geothermal Energy. In addition to my own presentation, I also attend various invited lectures, keynotes, and visited laboratories working in the field of geothermal energy and carbon sequestration. I learned a lot from various researchers who attended the conference related to their work on topics like fault rupture propagation, time-dependent numerical modelling and multiscale experiments and numerical modelling.

Photographs from Conference: Insert here or attach to email


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IACMAG

THE HONG KONG POLYTECHNIC UNIVERSITY 香港理工大學

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING 土木及環境工程學系

IACMAG

Speaker Certificate

Presented to

Faakirah RASHID

In recognition of outstanding contribution as a speaker of the presentation entitled

Determining Geothermal Potential of the Porous Sedimentary Oil Reservoir in Upper Assam Shelf, India

at the 17th International Conference of the International Association for Computer Methods and Advances in Geomechanics (IACMAG 2025)

Organized by the Department of Civil and Environmental Engineering

The Hong Kong Polytechnic University

18 – 21 December 2025

Prof. Zhen-Yu YIN Prof. Jidong ZHAO Prof. Wan-Huan ZHOU