ISSMGE FOUNDATION
REPORT ON CONFERENCE ATTENDANCE

Your Name: Puran	***Your Organization:*** Indian Institute of Technology Roorkee	***Date of report:*** 31-12-25
Conference Title: 17th international conference of the International Association for Computer Methods and Advances in Geomechanics (IACMAG).	***Location of Conference:*** Hong Kong Polytechnic University, Hong Kong	***Dates of Conference:*** December *18-21, 2025*

What you learned:

Participation in IACMAG 2025 enhanced my understanding of advanced computational geomechanics. This prestigious international conference significantly contributed to my academic and professional development as a young researcher in geotechnical engineering. The keynote lecture on elastoplastic constitutive frameworks deepened my knowledge of advanced numerical modeling. Furthermore, keynote sessions on data-driven and machine-learning approaches open new pathways for integrating artificial intelligence into my future research. Overall, attending this conference helped improve my current research, foster valuable collaborations, and guide my academic path toward emerging developments in digital geomechanics and sustainable infrastructure.

People you met:

The conference offered valuable opportunities for interaction with prominent international researchers and experts in geotechnical engineering.

- Prof. John Carter (The University of Newcastle, Australia)
- Prof. Richard J. Bathurst (Royal Military College of Canada)
- Prof. Lidija Zdravkovic (Imperial College London, UK)
- Prof. Jidong Zhao (Hong Kong University of Science and Technology)
- Prof. Buddhima Indraratna (University of Technology Sydney, Australia)
- Prof. D.N. Singh (Indian Institute of Technology, Bombay)
- Prof. Bal Krishna Maheshwari (Indian Institute of Technology, Roorkee)
- Prof. Zhengshou Lai (Sun Yat-sen University Guangzhou, China)
- Prof. Yong Fu (Southern University of Science and Technology, China)

Main features of conference:

The conference featured a strong focus on recent advances in computational geomechanics, bringing together researchers, engineers, and academics from across the world. IACMAG 2025 included keynote lectures by renowned experts, technical paper presentations, and thematic sessions covering numerical modeling, soil–structure interaction, multiphysics analysis, and data-driven methods. Special sessions on machine

learning, digital geomechanics, and sustainable infrastructure highlighted emerging research trends. The conference also provided opportunities for networking, academic discussions, and collaboration, enabling participants to exchange ideas, receive feedback on their work, and build international research connections.

Your comments on the conference:

It was a great privilege to participate in IACMAG 2025. The conference provided an excellent opportunity to interact with world-renowned researchers and geotechnical experts. The keynote lectures were highly informative and offered valuable insights into the future directions of geomechanics. I also had the opportunity to present my research work and received constructive and encouraging feedback from the session chair and co-chair. I believe this conference not only enhanced the quality of my research but also facilitated meaningful interactions and valuable networking that will support my future research journey.

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

The 17th International Conference of the International Association for Computer Methods and Advances in Geomechanics (IACMAG 2025) provided an outstanding international forum for advancing research and practice in computational geomechanics. The conference brought together leading researchers, practitioners, and early-career scholars from across the globe to discuss recent developments in numerical modeling, experimental validation, and data-driven approaches in geotechnical engineering.

The technical program featured high-quality keynote lectures, invited talks, and parallel technical sessions covering a broad spectrum of topics, including soil–structure interaction, constitutive modeling, Multiphysics coupling, offshore and energy geotechnics, granular mechanics, and machine learning applications in geomechanics. The keynote lectures were particularly insightful, offering clear perspectives on current challenges and future research directions in digital and computational geomechanics. These lectures helped frame the evolving role of advanced numerical methods and intelligent modeling tools in addressing complex geotechnical problems.

The parallel sessions were well organized and professionally conducted, with presenters sharing in-depth findings from various, numerical, and analytical studies. The discussions following each presentation were highly engaging and constructive, promoting critical thinking and knowledge exchange. A notable strength of the conference was its emphasis on integrating physics-based modeling with data-driven and machine-learning approaches, reflecting the growing importance of hybrid methodologies in modern geotechnical engineering.

As a presenting author, I had the opportunity to present my research paper titled “Numerical Evaluation of Caisson Foundation Capacity in Layered Soils Under V-H-M Loads”.

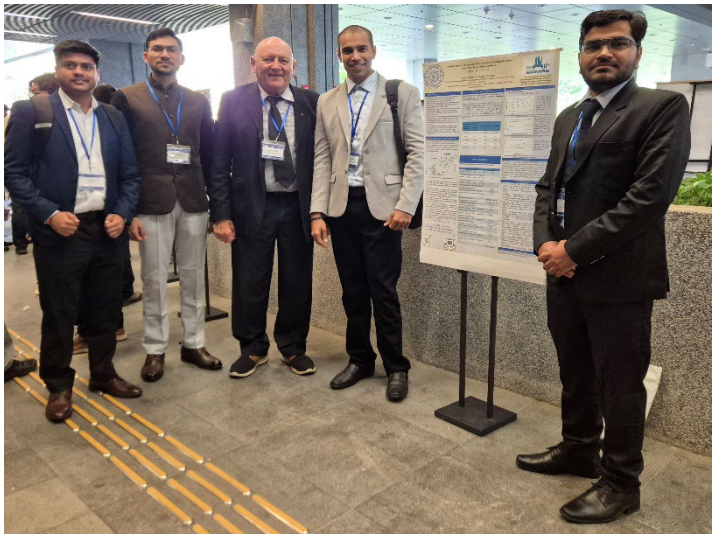
The presentation attracted meaningful discussion, and the feedback received from the session chair, co-chair, and audience was constructive and valuable for refining my ongoing research. The exposure to an international audience working in closely related areas significantly enhanced the impact and relevance of my work.

Beyond the technical sessions, the conference offered excellent opportunities for networking and professional interaction. Engaging with world-renowned researchers and fellow Ph.D. scholars facilitated the exchange of ideas and opened possibilities for future collaboration. Overall, participation in IACMAG 2025 enriched my academic experience, strengthened my research perspective, and contributed positively to my professional development in the field of computational and digital geomechanics. I sincerely thank the ISSMGE Foundation for their financial support, which made it possible for me to attend this conference.

Photographs from Conference:



Puran (me) at the IACMAG 2025 conference venue



With Prof. John Carter, President of the IACMAG Board and Fellow PhD scholars



With Prof. Richard J. Bathurst, Royal Military College of Canada



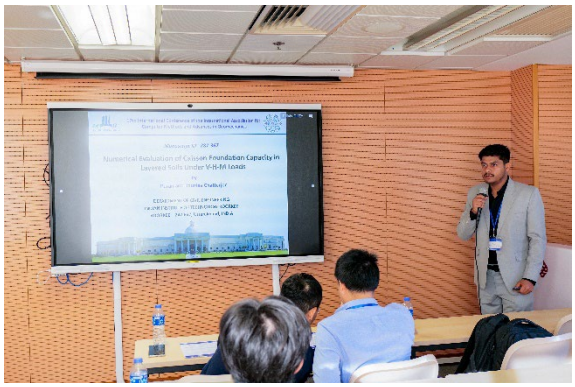
With Prof. Jidong Zhao, Local Organizing Committee Co-Chair of IACMAG 2025



Award received during the banquet on behalf of my supervisor, Prof. Kaustav Chatterjee, for “Excellent Regional Contribution”



With Prof. Lidija Zdravković, Imperial College London (UK)





At my research presentation, receiving the presentation certificate from Prof. Zhengshou Lai and Prof. Yong Fu



Group photograph of conference participants