

Invitation

The Egyptian Geotechnical Society (EGS) in collaboration with the Egyptian Tunnelling Society (ETS) and the Technical Committee of the Ground Improvement (TC211 - ISSMGE) under the auspices of ISSMGE will be hosting the **INTERNATIONAL CONFERENCE ON GROUND IMPROVEMENT AND GROUND CONTROL (ICGI 2019): INFRASTRUCTURE DEVELOPMENT AND NATURAL HAZARDS MITIGATION.**

The International Conference on Ground Improvement and Ground Control (ICGI 2019) is the premier event on the ground improvement and geomechanics and was established in 2009 to promote research in these rapidly evolving areas of mechanics and techniques and serve as a forum to discuss the latest findings/developments and exchange new ideas. The first in the series of ICGI was held in Singapore in 2009; the second conference was held in Wollongong (Australia) in 2012 and the third conference was held in Hangzhou (China) from 27th to 29th Oct. 2017. The fourth ICGI is to be held in Aswan / Luxor, Egypt from 1st of to 3rd of December 2019.

In Egypt, the rapid economic booming has stimulated the development of infrastructure, which calls for ground improvement as large construction projects must encompass soft and weak ground throughout Egypt.

Numerous Keynote Lectures, State of the Art presentations, Heritage Lecture, Theme Lectures and other Technical Papers will contribute to three days of scientific and technical discourse followed by a very attractive Nile Cruise Program encompassing the unique and scenic heritage history of Pharonic Egypt between Luxor and Aswan. The Conference will be aimed at promoting the latest ground improvement concepts and applications predominantly in the fields of the Infrastructure Development and Natural Hazards Mitigation. Following the earlier successful conferences in Singapore, Australia and China, this Conference will act as a platform for disseminating the most recent research developments and field advances to the geotechnical community around the globe. It is expected to be the biggest Ground Improvement conference to be held in this region. All accepted papers will be published in the proceedings of the conference by Springer. The proceedings will be submitted to EI, Scopus and Thomson Reuters seeking for indexation, after the conference. In addition, some journal special issues will be published in some prestigious journals from selected best papers of the conference.

We are looking forward to having the pleasure of welcoming you all to Egypt.

Mohamed A. Sakr
Chairman

Buddhima Indraratna
Co-Chairman

► Conference 1 Themes

The Conference will consider papers in the following themes:

- 1- Soft Soil Consolidation.
- 2- Sand and Gravel Piles, Stone Columns and Rigid Inclusions.
- 3- Geosynthetics Reinforcement.
- 4- Compaction and Vibroflotation.
- 5- Grouting and Chemical Stabilization.
- 6- Electro-kinetic, Electro-osmotic, Bio-engineering, Thermal and Explosion-based Techniques.
- 7- Methods of Preventing Soil Erosion, Scour and Internal Piping.
- 8- Ground Control in Underground and Surface Mine Excavations.
- 9- Methods of Stabilization of Landslides and Mass Movement.
- 10- Surface and Sub-Surface Drainage.
- 11- Stabilization of Fractured and Jointed Rock mass.
- 12- Ports and Land Reclamation.
- 13- Contaminated Soil Remediation.
- 14- Transport Infrastructure.

Papers in other areas of
Ground Improvement
not listed above will be
also welcome.