

Invitation

The Egyptian Tunnelling Society (ETS) in collaboration with the Egyptian Geotechnical Society (EGS) under the auspices of ITA, Ministry of Transportation and National Authority for Tunnels (NAT) cordially invite you to participate with us the

ETS Conference and Exhibition 2019 | 4-5 December 2019, Aswan / Luxor - Egypt

The event that will explore the latest innovations, trends and advances in all areas of underground structures, from project layout to design to construction and operation and maintenance. The event will serve as a forum to discuss the latest findings, developments, applications; lessons learnt and exchange new ideas in different underground structures industry.

In Egypt, the rapid economic booming has stimulated the development of transportation and roadways infrastructures, which calls for the implementation of many tunnelling projects throughout Egypt. The recent greater Cairo underground metro lines projects and the new challenging tunnels under Suez Canal to the Sinai Peninsula connecting Asia and Africa in addition to the mega projects for utility tunnels are examples of recent and current tunnelling activities in Egypt.

It is tentative to host many principal Keynote Lecturers, State of the Art presentations, Heritage Lecture and Theme Lectures. The technical papers will contribute to two days of scientific and technical discourse followed by a beautiful Nile Cruise Program encompassing the unique and scenic heritage history of Pharaonic Egypt between Luxor and Aswan.

Luxor history stretches back more than four thousand years. The city contains some valuable historical heritages including approximately one-third of the world's monuments. Therefore, Luxor has frequently been characterised as the "world's greatest open-air museum". Immediately opposite, across the River Nile, lie the monuments, temples and tombs of the West Bank Necropolis, which includes the Valley of the Kings and Valley of the Queens.

Therefore, please save the dates in your calendar and follow our updates by email and on the event website. We promise to strive hard to make the conference a successful and memorable experience for all. We welcome your support and look forward to seeing you at Luxor in 2019.

Ashraf Abo-Krishna
Chairman

Mostafa Zaki
Co-Chairman

► **Conference 2 Themes**

The Conference will consider papers in the following themes:

- 1- Geological, geophysical and geotechnical investigations for underground projects.
- 2- Planning, feasibility studies and design of underground structures.
- 3- Innovations in tunnels design methods.
- 4- Innovations in tunnelling technologies.
- 5- Case studies and technologies of conventionally excavated tunnels.
- 6- Case studies and technologies of machinery excavated tunnels.
- 7- Advances and innovations in computational methods for underground structures.
- 8- Tunnelling in difficult ground conditions.
- 9- Ground improvement techniques for underground structures.
- 10- Innovations in monitoring systems for underground structures.
- 11- Rehabilitation and upgrading of underground structures.
- 12- Innovation in tunnels operation and maintenance.
- 13- Risk analysis and management of underground projects
- 14- Environmental aspects of tunnels projects.
- 15- Electromechanical systems for roadway, railway and metro tunnels.

Papers in other areas of tunnelling and underground structures not listed above will be also welcome.