



On behalf of the Organizing Committee, we are pleased to invite you to attend the

GeoMEast 2018 International Congress and Exhibition to be held in **Cairo, Egypt** from **November 24 to 28, 2018**

The GeoMEast SERIES is managed by SSIGE and supported by a number of leading international professional organizations.

Recent rapid construction in Middle East has provided great opportunities for bridge, pavement, geotechnical, geological, tunnel and all engineers to use their knowledge and talents to solve many challenging problems involving highways, bridge structures, pavements, materials, ground improvements, slopes, excavations, dams, canals and tunnels with innovative solutions and cutting-edge technologies.

GeoMEast 2018 will provide a showcase for recent developments and advancements in design, construction, and safety Inspections of transportation Infrastructures and offer a forum to discuss and debate future directions for the 21st century. Conference topics cover a broad array of contemporary issues for professionals involved in bridge, pavement, Geomechanics, geo-environmental, geotechnical, geosciences, geophysics, tunnel, water structures, railway and emerging techniques for safety inspections. You will have the opportunity to meet colleagues from all over the world for technical, scientific, and commercial discussions

Welcome to Egypt

Egypt has one of the longest histories of any modern country, arising in the tenth millennium BC as one of the world's first nation states. Considered a cradle of civilization, Ancient Egypt experienced some of the earliest developments of design and construction, writing, agriculture, urbanization, organized religion and central government in history. Iconic monuments such as the Giza Necropolis and its Great Sphinx, as well the ruins of Memphis, Thebes, Karnak, and the Valley of the Kings, reflect this legacy and remain a significant focus of archaeological study and popular interest worldwide.



Chairmen of GeoMEast 2018

Khalid M. El-Zahaby, Chairman of HBRC
Mohamed F. Shehata, Chairman of SSIGE

Important Dates

October 1, 2017: Open for Abstract submission
Submit on: www.editorialmanager.com/suci

December 15, 2017: Deadline for Abstract submission

Jan 15, 2018: Notify authors of accepted Abstracts

April 15, 2018: Deadline for Full Paper submission

May 15, 2018: Notify authors of Accepted Papers

June 30, 2018: Final Camera-Ready Papers

November 24~28, 2018: Conference Days

Organizers

- The Soil-Structure Interaction Group in Egypt (SSIGE). Director of GeoMEast
- The Egyptian Housing and Building National Research Center (HBRC). Host Organization

Would you like to join the organizers or to be a sponsor or an exhibitor?

E-Mail: info@geomeast2018.com

Website: www.GeoMEast2018.org

General Secretariat

Hany Farouk Shehata, CEO, SSIGE

Contact Us Now! we still have a few slots open to all budgets

Under the Auspices of The Egyptian Government



GeoMEast Series of Conferences

Supporting Organizations

- American Society of Civil Engineers (ASCE), USA
- American Rock Mechanics Association: ARMA
- Canadian Society for Civil Engineering - CSCE
- Deep Foundation Institute, DFI, USA
- Institution of Civil Engineers, ICE, UK
- International Association for Bridge and Structural Engineering - IABSE
- Int'l Society of Soil Mech. and Geotech. Eng. (ISSMGE)
- Int'l Geosynthetic Society, IGS
- International Code Council (ICC)
- International Society for Asphalt Pavements (ISAP)
- Pile Driving Contractors Association (PDCA), USA
- The Int'l Assoc. for Eng. Geology and the env. (IAEG)
- Transportation Research Board (TRB), USA





Conference Themes

Geotechnical, Geological, Geoenvironmental and Geosynthetics

1. Geotechnical, Geoenvironmental and Earthquake Geotechnical Engineering;
2. Soil and Rock Mechanics, Geomechanics, Mining, and Geological engineering;
3. Geosynthetics and Reinforced Soil Retaining Structures
4. Behavior, Identification and In-situ Test Methods for Site Characterization of Soils, and Lateritic, Problematic, Collapsible, Swelling, Soft, Sabkha and Uncommon Soils;
5. Design and Quality Control of Earth Structures and Subgrades;
6. Soil Stability and Landslide, Ground improvement and Seismic Hazards;
7. Soil-Structure Interaction, Advanced Analysis of Shallow and Deep Foundations, Foundation Failure and Repair, and MicroPiles and its innovative applications;
8. Computational Mechanics, Innovative Soil Models, Discrete Element and Boundary Element Modelling, Mesoscale Modeling, and Advanced Numerical and Analytical Analyses;
9. Physical Modelling in Geotechnics
- 10 Saturated and Unsaturated Soil Mechanics
11. Oil and Gas, and Petroleum Geotechnical Engineering, and Geosciences, Geomatics, Geoinformatics, Geophysics and Global Hazards

Sustainable Infrastructures

- 12 **Structures and Bridges Engineering**
- 13 **Tunneling Engineering**
- 14 **Pavement Engineering, Airports and Advances in Pavement Techniques**



Conference Themes: Continue

15 Transportation Engineering; Highway Pavements: Design, Materials, and Construction; Transportation Operations and Safety; Advanced Technologies, Infrastructure Systems, Intermodal Transportation, Planning, and Development; Rail and Transit; Aviation.

16 Railroad and Railway Engineering; Railway and Railroad Track Substructure; High Speed Rail System; Seismic Design for Railway and Roadway Structures; Economics of Railway Engineering and Operations; Structures, Maintenance and Construction; Innovative Procedures and Precautions; Long Term Pavement Performance Contest; BIM and Contract Administration.

17 Dams Engineering, Canals and Levees, Irrigation and Water Sources and Structures, and Ports, Offshore and Marine Technologies.

18 Engineering geology for urban and major infrastructure development.

Climate Change and its effects on Civil Infrastructure

19 Sustainability and Energy Engineering;

20 Environmental and Waste / Sediment Management, Characterization, Treatment and Re-Use;

21 Energy Geotechnics and Geo-Energy Infrastructure.

22 Materials Engineering, Nanotechnologies, Advances in Composite Materials, Climate-Friendly Technologies, and Damage Mechanics.

23 Structural Health Monitoring, and Sustainable Construction Technologies, and Advanced Analysis for Sustainable Design.

24 Worldwide innovative procedures and precautions for the Design;

25 Building Information Modeling (BIM), Building and Construction Engineering, Project Management, and Contract Administration; and

26 Sustainable Infrastructure: Current and Projected; Financing Infrastructure Projects

Cross-cutting Issues; Materials, Tools, and Methodologies; Innovation; Sustainability and Competitiveness; Risk, Resiliency, and Adaptation to Climate Change; Sustainable Cities; Sustainability, Society and Culture; Envision™ and Other Rating Systems; Special Topics on Middle East Urbanization; Smarthome, barrier-free building and reconstructing.

Conference Publication

Accepted English papers will be published in

**Springer Book Series ,
Sustainable Civil Infrastructures,
SUCI**



That will be submitted for inclusion in EI, ISI-WoS, SCOPUS, Springer Link, and Google Scholar

Selected papers will be considered for publication as special issues in some prestigious journals; Subjected to a full peer review process as set forth by the journals' Editors

Simultaneous translation may be provided in Arabic, English, French, German, Russian and any other required language

GeoMEast2018 Committee

Hesham Kamal Ameen: HBRC, Egypt. CHAIR

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Askar Zhussupbekov: Eurasian National University, Kazakhstan

.Atilla Ansal: President of the Europe Assoc. for EQ Eng

Babak Hamidi: GFWA, Australia

Bassem Andrawes: University of Illinois, USA

Braja Das: Dean Emeritus, CSU, USA

Chadi Said EL Mohtar: University of Texas, USA

Chungsik Yoo: VP of the International Geosynthetics Society

Claudio Margottini: Embassy of Italy in Cairo, Egypt

*Are you interested in
joining our committees?
Kindly send us a request
including your short CV
to: info@ssige.org*

*We are eagerly looking
forward to working with
the experts from all over
the globe*



GeoMEast2018 Committee

Dar-Hao Chen: TXDOT, USA
Debra Laefer: UCD, Ireland
Devendra Narain Singh: IIT, India
Dharamveer Singh: IIT, India
Diego Marchetti: Italy
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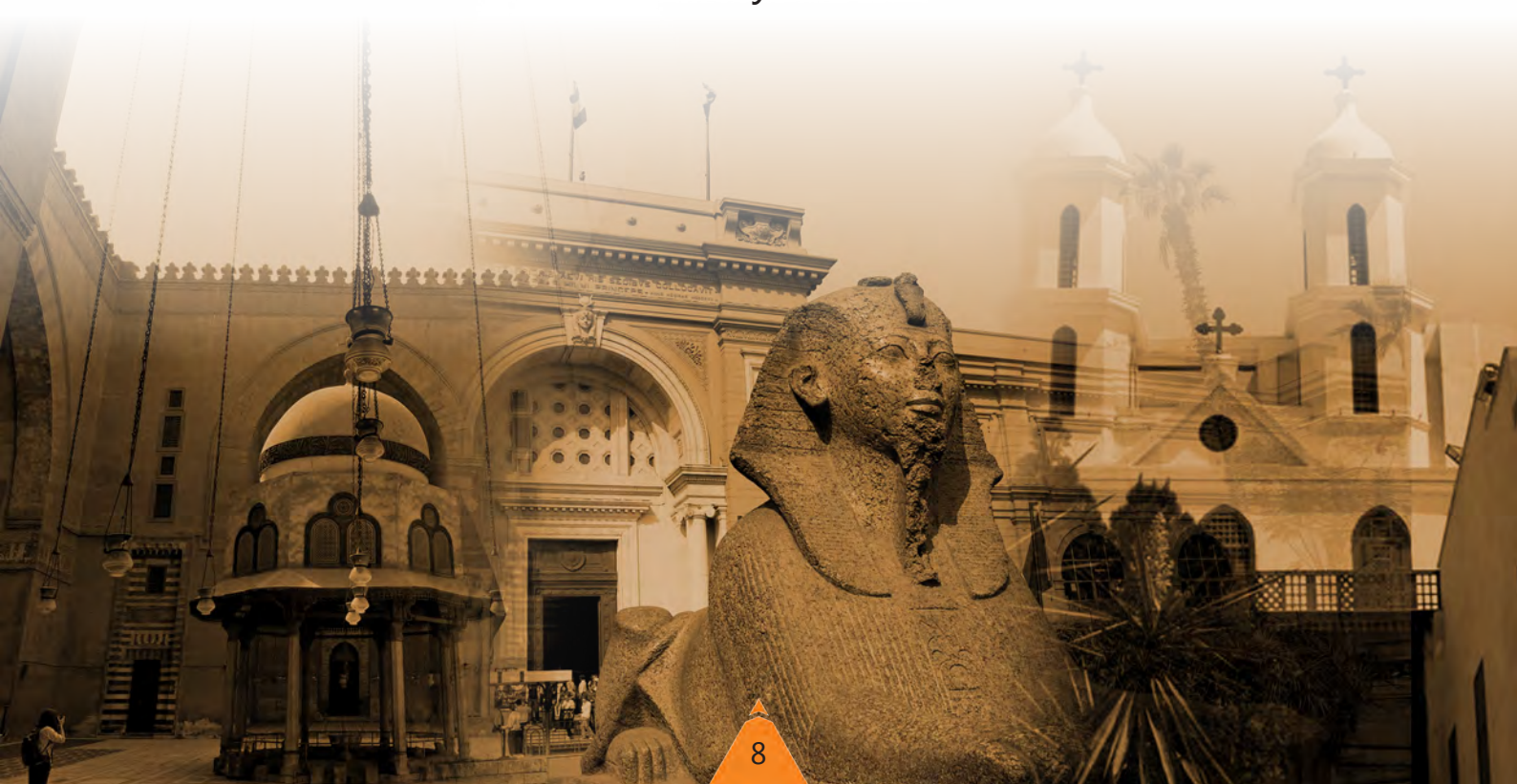
Venue and Accommodation

Cairo, Egypt

Cairo is the capital and largest city of Egypt. The city's metropolitan area is the largest in the Middle East and the Arab world, and 15th-largest in the world, and is associated with ancient Egypt, as the famous Giza pyramid complex and the ancient city of Memphis are located in its geographical area

Culture of Egypt

The culture of Egypt has thousands of years of recorded history. Ancient Egypt was among the earliest civilizations in Africa. For millennia, Egypt maintained a strikingly unique, complex and stable culture that influenced later cultures of Europe. After the Pharaonic era, Egypt itself came under the influence of Hellenism, for a time Christianity and later, Islamic culture



Venue and Accommodation

MENA HOUSE HOTEL
since 1869

The Historical Mena House Hotel will be the official Venue and Accommodation. Rooms special rates will be announced soon. Please stay in touch



There is no better place than the Great Pyramids in order to meet together beside the oldest sustainable structure in our earth to discuss the "Sustainable Civil Infrastructures"! We are sure that you will love it so much to stay for 5 days in front of the Great Pyramids for studying and recreation at one of the top Historical Hotels in the world



GEOMEAST 2017 ACHIEVEMENTS

The **#GeoMEast2017** in Sharm El-Sheikh, Egypt has come to a close and is marked with a Great Success in all aspects.

This was an outstanding meeting with +300 attendees, throughout the conference's 5 days, of 48 countries from Africa, Asia, Europe, North America, South America, Australia and Russia.

The **#GeoMEast2017** included 3 Official Lectures, 7 Honors Lectures, 28 Keynote Lectures, 4 Workshops and 6 Short Courses covering all themes of the Sustainable Civil Infrastructures.

We have received the honor to welcoming the most influential professionals from around the globe to Egypt. We received the honor by the attendance of the 2017 President of The American Society of Civil Engineers, The President of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE), The Vice-President of the International Geosynthetics Society, The Vice-President of the ISSMGE, 2 Nominees for the ISSMGE President (2017-2021), 5 Chairmen of the Transportation Research Board (TRB) technical committees, 4 Chairmen of the ISSMGE technical committees, 8 Presidents of international professional firms, Scientific Attache of the Italian Embassy in Cairo representing the International Association for Engineering Geology (IAEG), The spiritual father of the science of Rock Mechanics (Professor Nick Barton), and Distinguished Board Members of the ASCE, ISSMGE, DFI, IGS and IAEG

It was a great honor to be hosted by the Governor of South Sinai, Egypt. Over 10 Official Media Channels and over 15 Official Press magazines, in Egypt and in Middle East Countries have covered the whole event.

We have successfully organized two Gala Dinners; Bedwin and Boat Dinners, which proof that Egypt is very safe everywhere!

The **#GeoMEast2017** has received over 750 submissions, and has finally accepted 325 full papers that have been published in 15 Edited Volumes by Springer Nature. The Editors are a group of International Experts from around the globe, Which guarantees the reader the quality of published scientific content in the Proceedings.

The success of this conference could not have been possible without the valuable contributions from sponsors and exhibitors, which are greatly appreciated!

The commitment, professionalism, and effectiveness of the Local Organizing Committee producing this conference are absolutely praiseworthy. The efforts and amount of time invested by them, were beyond any expectation

Thank you so much for reading the #Fact_Sheet of the GeoMEast2017, and we look forward to welcoming you to the #GeoMEast2018 in Cairo, Egypt!

On behalf of the #GeoMEast Organizing Committee
Dr.-Eng. Hany Farouk Shehata
CEO and Founder of Soil-Structure Interaction Group in Egypt

GEOMEAST 2017 Exhibitors

