

CALL FOR PAPERS

CSEE'18

3rd WORLD CONGRESS ON CIVIL, STRUCTURAL, AND ENVIRONMENTAL ENGINEERING



APRIL 8 - 10, 2018 | BUDAPEST, HUNGARY

Paper Submission Deadline: **FEBRUARY 1, 2018**

Early-Bird Registration: **FEBRUARY 20, 2018**

CSEE'18 is composed of 5 conferences, while each conference consists of an individual and separate theme, they share considerable overlap, which prompted the organization of this congress.

The goal of this undertaking is to bring together experts in each of the specialized fields, and at the same time allow for cross pollinations and sharing of ideas from the other closely related research areas. Interested authors, researchers, and industrial experts are invited to register for the conference that best resonates with their technical background. At the same time, attendees are permitted, and even encouraged, to attend talks from co-located conferences.

ICGRE'18 3rd International Conference on **Geotechnical Research and Engineering** www.icgre.org

ICSENM'18 3rd International Conference on **Structural Engineering, New Technology and Methods** www.icsenm.com

ICESDP'18 3rd International Conference on **Environmental Sustainability, Development, and Protection** www.icesdp.com

AWSPT'18 3rd International Conference on **Air, Water, and Soil Pollution and Treatment** www.awspt.com

ICTE'18 3rd International Conference on **Traffic Engineering** www.teconference.com



CONGRESS CHAIR

A/Prof. Hany El Naggar
Dalhousie University,
Canada



CONGRESS CO-CHAIR

A/Prof. Mohamed Shahin
Curtin University,
Australia



KEYNOTE SPEAKER

Prof. Hesham El Naggar
University of Western Ontario,
Canada



KEYNOTE SPEAKER

Prof. Anas Ghadouani
University of Western
Australia, Australia



KEYNOTE SPEAKER

Prof. Timothy McCarthy
University of Wollongong,
Australia

SUBMISSIONS

Submissions in the form of extended abstracts, short papers, and full manuscripts are welcome. All submitted papers will be peer reviewed. All accepted and presented papers will be published in the conference proceedings, under an ISBN reference in a USB drive. The online version of the proceedings will also be published under an ISSN reference and each paper in the proceedings will be assigned unique DOIs by CrossRef.



Join our LinkedIn Group and receive the latest news about the CSEE Congress www.linkedin.com/groups/8612810



info@cseecongress.com



+ 1.613.834.9999

SCIENTIFIC COMMITTEE MEMBERS

ICGRE

Dr. Djamalddine Boumezerane, Norwegian University of Science and Technology NTNU, Norway
Dr. Rafaela Cardoso, Lisbon Technical University, Portugal
Dr. Rong-Her Chen, NTU, Taiwan
Dr. Safiye Feyza Çinicioglu, Istanbul University, Turkey
Dr. Johan Clausen, Aalborg University, Denmark
Dr. T. Matthew Evans, Oregon State University, USA
Dr. Johann Facciorusso, University of Florence, Italy
Dr. Ahmed Fahmy, Dhofar University, Oman
Dr. Rajeshwar Goodary, Université des Mascareignes, Mauritius
Dr. Chu Jian, NTU, Singapore
Dr. Cristina Jommi, Delft University of Technology, Netherlands
Dr. Stefan Jung, Dr. Jung + Lang Ingenieure GmbH, Germany
Dr. Charles W.W. Ng, Hong Kong University of Science & Technology, Hong Kong
Dr. Indrasenan Thusyanthan, Saudi Aramco, United Kingdom
Dr. Roger Tilley, University of California Santa Cruz, USA
Dr. Megan Walske, Curtin University, Australia
Dr. Sayed Ahmed, Ain Shams University, Egypt

ICSENM

Dr. Oscar Victor Jr. Antonio, University of the Philippines, Philippines
Dr. Abolhassan Aftaneh-Asl, University of California, Berkeley, USA
Dr. Francisco Barrios, Universidad Del Magdalena, Colombia
Dr. Mohamed Elchalakani, University of Western Australia, Australia
Dr. Christopher Higgins, Oregon State University, USA
Dr. Ali Karrech, University of Western Australia, Australia
Dr. Thomas Keller, Ecole Polytechnique Federale de Lausanne, Switzerland
Dr. Venkatesh Kodur, Michigan State University, USA
Dr. Qiusheng Li, City University of Hong Kong, Hong Kong
Dr. Drahomir Novak, Brno University of Technology, Czech Republic
Dr. Alan O'Connor, Trinity College Dublin, Ireland
Dr. Eddie Siu Shu Lam, The Hong Kong Polytechnic University, Hong Kong
Dr. Amr Sweedan, UAE University, United Arab Emirates
Dr. Ahmet Türer, Middle East Technical University, Turkey
Dr. Yen-Po Wang, National Chiao-Tung University, Taiwan
Dr. Ben Young, University of Hong Kong, China
Dr. Xue Zhang, Dalian University of Technology, China

ICESDP

Dr. Mohamed Abouleish, American University Of Sharjah, United Arab Emirates
Dr. Rolf André Bohne, Norwegian University of Science & Technology, Norway
Dr. K. van Breugel, Delft University of Technology, Netherlands
Dr. James Clarke, Vanderbilt University, USA
Dr. Mervat El-Hoz, University of Balamand, Lebanon
Dr. Paolo Gardoni, University of Illinois Urbana-Champaign, USA
Dr. Mitra Maria Hedman, Royal University for Women, Bahrain
Dr. Bernard H. Kueper, Queen's University, Canada
Dr. Angélique Leonard, University of Liège, Belgium
Dr. İlknur Durukan Temuge, Hacettepe University, Turkey
Dr. Pavel Tlušťoš, Czech University of Life Sciences Prague, Czech Republic

AWSPT

Dr. Ewa Adamiec, AGH University of Science and Technology, Poland
Dr. James Ball, University of Technology Sydney, Australia
Dr. John Bridgeman, University of Birmingham, UK
Dr. Clayton Clark, Florida State University, USA
Dr. Gulen Gullu, Hacettepe University, Turkey
Dr. Mohamed Hegazy, The British University in Egypt, Egypt
Dr. Hu Jiangyong, National University of Singapore, Singapore
Dr. Elçin Kentel, Middle East Technical University, Turkey
Dr. Stuart Khan, University of New South Wales, Australia
Dr. Simona Schwarz, Leibniz Institute of Polymer Research Dresden, Germany
Dr. Szabolcs Szilveszter, Sapientia University, Romania
Dr. Chuyang Y. Tang, University of Hong Kong, Hong Kong

ICTE

Dr. Akmal Abdelfatah, American University of Sharjah, UAE
Dr. Hatem Abou-Senna, University of Central Florida, USA
Dr. Abdul Azeez Kadar Hamsa, International Islamic University Malaysia, Malaysia
Dr. Ergun Gedizlioglu, Istanbul Technical University, Turkey
Dr. Samy Mahmoud, Carleton University, Canada
Dr. Tatiana Molková, University of Pardubice, Czech Republic
Dr. Majid Sarvi, University of Melbourne, Australia
Dr. Grzegorz Sierpiński, Silesian University of Technology, Poland
Dr. Virginia Sisiopiku, University of Alabama, USA
Dr. Ku-Lin Wen, National Taiwan University, Taiwan



Join our LinkedIn Group and receive the latest news about the CSEE Congress www.linkedin.com/groups/8612810



info@cseecongress.com



+ 1.613.834.9999

CSEE' 18 WORKSHOP ON NUMERICAL MODELLING IN GEOTECHNICAL ENGINEERING



APRIL 2018 | BUDAPEST, HUNGARY

WORKSHOP OBJECTIVES

This intensive Workshop will provide you with the needed theory and practical background required to confidently utilize modern analysis software to achieve practical solutions to challenging geotechnical problems. The workshop includes two modelling modules: Finite Elements and Artificial Intelligence.

COURSE CONTENT

FINITE ELEMENT MODELLING

- **Introduction to Geotechnical Modelling:** Types of Models, and FEA
- **Nonlinear constitutive models:** physical parameters; commonly used yield functions for soils, and Determination of model parameters.
- **Treatment of soil-structure interface:** contact elements; uplift, sliding.
- **Solution strategy:** buildup of FE models, mesh sizes, initialization, boundary conditions.
- **Hands-on Session:** Shallow Tunnel/Culvert Problem

ARTIFICIAL INTELLIGENCE MODELLING

- **Introduction and overview of Artificial Intelligence.**
- **Development of Artificial Intelligence models:** Determination of model inputs; data division; data preparation; model validation; model robustness; model transparency and knowledge extraction; model extrapolation; and model uncertainty.
- **Use of artificial neural networks in geotechnical engineering.**
- **Hands-on Session:** Shallow and Deep Foundations.



CONGRESS CHAIR

A/Prof. Hany El Naggar
Dalhousie University,
Canada

Associate Professor of Geotechnical Engineering at Dalhousie University, Canada, with more than 20 years of experience in civil construction, geotechnical and structural engineering and research in Canada and overseas.



CONGRESS CO-CHAIR

A/Prof. Mohamed Shahin
Curtin University,
Australia

Associate Professor of Geotechnical Engineering, at Curtin University, Australia, with over 25 years of academic and industrial experience.

