

Paper Submission and Conference Time Schedule

June 16, 2019

Deadline for abstract submission

July 12, 2019

Notify authors of accepted abstracts

November 1, 2019

Deadline for full-length paper submission

February 28, 2020

Notify authors of accepted papers

March 31, 2020

Submission of final camera-ready papers

April 15, 2020

Preliminary conference program and registration

All conference papers will be peer reviewed, citation indexed, and published in the Conference Proceedings book by Springer Nature

Conference Secretariat

Erol Tutumluer

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Conference Web Site

All necessary information will be available at the following conference Web site:

[www.conferences.illinois.edu/
ICTG2020](http://www.conferences.illinois.edu/ICTG2020)

ICTG 2020



CHICAGO

4th International Conference on Transportation Geotechnics

Chicago, Illinois, USA

AUGUST 30–SEPTEMBER 2, 2020

Call for Abstracts Second Announcement



Invitation

Welcome to the 4th International Conference on Transportation Geotechnics (4th ICTG), which will be held in Chicago, Illinois, on August 30–September 2, 2020. This is the main conference event of the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE) Technical Committee (TC) 202 on Transportation Geotechnics and it is organized every four years. The primary focus of TC202 is to apply broad engineering to bridge the gap between Pavement/Railway Engineering and Geotechnical Engineering. The ISSMGE TC202 website:

[www.issmge.org/committees/
technical-committees/applications/
transportation-](http://www.issmge.org/committees/technical-committees/applications/transportation-)

The Transportation Geotechnics International Conference series began under the auspices of ISSMGE Technical Committee (TC) 3 and was initiated in 2008 at the University of Nottingham, UK, as an international event designed to address the growing requirements of infrastructure for societies. The 2nd International Conference on Transportation Geotechnics (ICTG) took place in Sapporo, Japan in 2012 under the ISSMGE-TC202 that followed the TC3 activities for the period 2009-2013, and the 3rd ICTG was organized in Guimarães, Portugal in September 2016. Following this 3rd successful conference, the 4th ICTG in 2020 will continue to promote co-operation and exchange of information and knowledge about the geotechnical aspects and address challenges in design, construction, maintenance, monitoring and upgrading of roads, railways, airfields and harbor facilities and other ground transportation infrastructure with the goal of providing safe, economic, environmental, reliable and sustainable infrastructures.

Call for Abstracts

Papers relevant to 4th ICTG 2020 that address the conference themes are invited. Abstracts should contain up to 350 words, and include the affiliation and contact details of the authors. The abstract and paper submission is through the conference Web page:

[www.conferences.illinois.edu/
ICTG2020](http://www.conferences.illinois.edu/ICTG2020)

The deadline for submission is
June 16, 2019.

The 4th ICTG will include 3rd Proctor lecture, ASCE's Carl Monismith Lecture, meeting of Young Transportation Geotechnics Engineers (YTGE), several pre-conference workshops, plenary, keynote and breakout sessions as well as a technical exhibition for better disseminations of findings and best practices. Peer reviewed conference papers will be fully citation indexed and published in a Springer proceedings book.

Conference Themes

- ▲ Mechanistic-empirical design (road, railways, airfields and harbor facilities)
- ▲ Optimized geomaterial (including hydraulically bound materials and asphalt mixtures) use, reuse and recycling in road embankments and structural layers
- ▲ Sustainability in transportation geotechnics
- ▲ Rail track substructures, including transition zones, and transportation geodynamics
- ▲ Stabilization and reinforcement of geomaterials and its implications in pavement and rail track design

- ▲ Geosynthetics in transportation applications
- ▲ Subsurface sensing for transportation infrastructure
- ▲ Smart and connected transportation infrastructure, including Macro and Nanotechnology applied to transportation geotechnics
- ▲ Intelligent construction in earthworks technology and management
- ▲ Climatic effects on geomaterial behavior related to mechanics of unsaturated transportation foundations
- ▲ Slope stability, stabilization, and asset management
- ▲ Effect of climate change
- ▲ Harbor geotechnics
- ▲ Case histories

The Venue and Hotel Accommodation

The 4th ICTG 2020 will be held at the Sheraton Grand Chicago Hotel, 301 E North Water Street, in Chicago, Illinois on August 30–September 2, 2020. Newly renovated and perfectly situated, Sheraton Grand Chicago is in the heart of the bustling downtown district, along the Chicago Riverwalk; iconic attractions including Millennium Park, Navy Pier and the Magnificent Mile are mere steps away. For the 4th ICTG, hotel rates will be \$179/night for single and double occupancy. The Sheraton Grand Hotel offers 125,000 square feet of flexible venue options at their disposal and all plenary and breakout sessions as well as indoor advertising space will be available at the 4th ICTG venue for commercial displays and exhibits of equipment and products, as well as literature and poster displays. This will provide an

opportunity to display and demonstrate new products and equipment to an international audience, and to discuss solutions with experts from all over the world. For information and to sign up for exhibition space, please contact the Conference Chair by e-mail at: **CITL-ICTG2020@illinois.edu**

Pre-Conference Workshops

The main focus of the specialty workshops will be on IC technologies in earthworks, geosynthetics in transportation geotechnics, sustainability in mechanistic based designs of highway and airfield pavements, rail track substructure challenges, including transition zones, and transportation geodynamics.

Local Organizing Committee

Erol Tutumluer, Chair, University of Illinois at Urbana-Champaign (UIUC)
 Imad L. Al-Qadi, Director, Illinois Center of Transportation (ICT), UIUC
 Chris Barkan, Director, Rail Transportation and Engineering Center (RailTEC), UIUC
 Heather Shoup, Illinois Department of Transportation
 Jeffery R. Roesler, UIUC
 Riley Edwards, UIUC
 Issam Qamhia, UIUC

US Technical Committee

Erol Tutumluer, Chair of 4th ICTG and ISSMGE TC202
 Dingqing Li, Association of American Railroads
 Halil Ceylan, Iowa State University, Chair of ASCE Geo-Institute Pavements Committee
 Hasan Ozer, UIUC, Chair of ASCE T&DI Highway Pavements Committee
 Jennifer Nicks, TC202 Member, Federal Highway Administration



John S. McCartney, UC San Diego, Chair of IGS North America
 Navneet Garg, Federal Aviation Administration
 Soheil Nazarian, TC202 Member, University of Texas at El Paso
 Ted Sussmann, Volpe Center, Federal Railroad Administration
 Tuncer Edil, TC202 Member, University of Wisconsin-Madison
 Yu Qian, Univ. of S. Carolina, Chair of Young Transportation Geotechnics Engineers (YTGE)

International Advisory Committee

Alejo Sfriso, Vice-President of the ISSMGE for South America 2017-2021 (Argentina)
 Andreas Loizos (Greece)
 Andrei Petriaev (Russia)
 António Gomes Correia, Chair of the 3rd ICTG Organizing Committee (Portugal)
 António Viana da Fonseca, Chair of ISSMGE Technical Committee TC102 (Portugal)
 Bernardo Caicedo (Colombia)
 Buddhima Indraratna (Australia)
 Charles Ng, President of the ISSMGE 2017–2021 (Hong Kong, China)

Chungsik Yoo, President of the IGS 2018–2022 (South Korea)
 David Toll, Chair of ISSMGE Technical Committee TC106 (UK)
 Dipanjan Basu, Chair of ISSMGE Technical Committee TC307 (Canada)
 Eduardo Alonso (Spain)
 Erol Tutumluer, Chair, 4th ICTG and ISSMGE Technical Committee TC202 (USA)
 Fumio Tatsuoka, (Japan)
 Heinz Brandl (Austria)
 Hervé Di Benedetto (France)
 Hai-Sui Yu, Chair of the 1st ICTG Organizing Committee (UK)
 Jean-Louis Briaud, Past President of the ISSMGE 2009–2013 (USA)
 Matthew R. Coop, Chair of ISSMGE Technical Committee TC101 (UK)
 Kerry Rowe (Canada)
 Mario Manassero, Vice-President of the ISSMGE for Europe 2017–2021 (Italy)
 Mike Winter (UK)
 Noel Huybrechts, Chair of ISSMGE Technical Committee TC211 (Belgium)
 Roger Frank, Immediate Past President of the ISSMGE 2013–2017 (France)
 Samuel. I.K. Ampadu, Chair of ISSMGE Technical Committee TC107 (Ghana)
 Seiichi Miura, Chair of the 2nd ICTG Organizing Committee (Japan)
 Seong-Wan Park (South Korea)
 Sivakumar Babu GL (India)
 Tatsuya Ishikawa (Japan)
 Timothy Newson, Vice-President of the ISSMGE for North America 2017–2021 (Canada)
 William Powrie (UK)
 Xuecheng Bian (China)
 Yujun Cui (France)
 Yunmin Chen (China)

Scientific Committee

Please see the full list of ISSMGE TC202 Transportation Geotechnics Committee members here:

<https://www.issmge.org/committees/technical-committees/applications/transportation->