

# Call for Abstracts and Conference Preview



# GEESDV 2018

Austin, Texas USA | June 10-13, 2018

## 5th Geotechnical Earthquake Engineering and Soil Dynamics

### About Austin

Whether it's the friendly vibe, creative culture, or active community, there's something special about Austin, the Live Music Capital of the World® and one of the USA's top destinations. (Austin consistently earns high rankings from publications such as Travel+Leisure, Conde Nast Traveler, and others around the world.) Fly to Austin non-stop from more than 50 U.S. cities and 7 international cities such as Toronto, London, and Frankfurt.

Austin is home to more than 300 parks, and with an average year-round temperature of around 70°F, the city offers an abundance of outdoor activities and sports. There's also no shortage of history or legend to be found in the architecture, monuments, and museums in every part of the city. Dining and shopping opportunities abound at all levels of price and sophistication.

Our conference will take place next door to the University of Texas at Austin. UT-Austin is one of America's largest public universities with 342 undergraduate and graduate degree programs, about 3,090 faculty, and more than 50,000 students.

**This is the perfect opportunity to expand your technical knowledge of earthquake engineering in the amazing city of Austin, Texas.**



### About the Conference

***On behalf of the Earthquake Engineering and Soil Dynamics Technical Committee of the Geotechnical Institute (G-I) of the American Society of Civil Engineers (ASCE), you are cordially invited to participate in the 5th conference on Geotechnical Earthquake Engineering and Soil Dynamics, which will be held June 10–13, 2018 in Austin, TX.***

GEESDV 2018 builds upon the success of past events in Sacramento CA (2008), Seattle WA (1998), Park City UT (1988), and Pasadena CA (1978). The conference will bring together practicing geoprofessionals, researchers, and students from around the world to share the latest advances, engineering applications, and pedagogical approaches in this discipline.

GEESDV 2018 will feature a wide range of knowledge-enhancing keynote speakers, technical sessions, and short courses focusing on the following topics:

- Induced Seismicity
- Ground Motions and Site Response
- Seismic Hazard Assessment
- Recent Advances in In Situ Site Characterization
- Liquefaction: Triggering, Consequences, and Mitigation
- Regional Scale Assessment of GeoHazards
- Applications of Remote Sensing
- Recent Advances in Numerical Modeling
- Recent Advances in Physical Modeling
- Laboratory Testing
- Seismic Slope Stability and Landslides

AT&T Executive Education and Conference Center  
Austin, Texas USA

# Mark your calendars and submit your abstract now!

## You are invited...

...to submit an abstract to any of the technical tracks listed below.

Abstracts without all the details requested below may not be considered:

- Abstracts may only be submitted via the online CATALYST Submission System:  
<https://catalyst.omnipress.com/#collection/101/submission>
- Abstracts are expected to be between 100 to 300 words. Abstracts can not contain images, tables, or other graphic elements.
- Authors may select between two paper types to indicate the intended format of their final submission: Technical Paper (6 to 10 pages in length) or Case History (12 to 15 pages in length).
- Submissions must include the full formal names, credentials, affiliations, contact information and email addresses for ALL authors.
- Submit your abstract to one of the following topics:
  - TOPIC A/ Induced Seismicity
  - TOPIC B/ Ground Motions and Site Response
  - TOPIC C/ Seismic Hazard Assessment
  - TOPIC D/ Recent Advances in In Situ Site Characterization
  - TOPIC E/ Liquefaction: Triggering, Consequences, and Mitigation
  - TOPIC F/ Regional Scale Assessment of GeoHazards
  - TOPIC G/ Applications of Remote Sensing
  - TOPIC H/ Recent Advances in Numerical Modeling
  - TOPIC I/ Recent Advances in Physical Modeling
  - TOPIC J/ Laboratory Testing
  - TOPIC K/ Seismic Slope Stability and Landslides
  - TOPIC L/ Other
- **All abstracts are due by June 7, 2017**

**IMPORTANT:** Authors are required to sign the ASCE Copyright Transfer Agreement during the submission process, stating that 1) all authors listed on the manuscript are aware of their authorship status and qualify to be authors on the manuscript, 2) all content, figures (drawings, charts, photographs, etc.), and tables in the submitted work are either original work created by the authors listed on the manuscript or work for which permission to reuse has been obtained from the creator, and 3) the author transfers copyright to the ASCE. Further details are available at:

<http://ascelibrary.org/userimages/ContentEditor/1412622184009/ASCE%20Authorship%20Originality%20and%20CTA%20form.pdf>

## Notice of Registration Requirement

Every paper awarded final acceptance for presentation must have one author attend the conference and present the paper. Publication in the conference proceedings without registering for the conference and presenting the paper is not possible. If you will not be able to attend, please do not submit an abstract.

## Conference Proceedings

GEESDV 2018 conference Proceedings will be published as a Geotechnical Special Publication (GSP) of the Geo-Institute of ASCE. GSPs are the G-I's primary outlet for continuing the tradition of geotechnical knowledge transfer. They are recognized internationally as premier publications for geotechnical engineering and the geoprofession. GSPs originated with the proceedings of the first geotechnical specialty conference (held in 1960 on the Shear Strength of Cohesive Soils), and the G-I has administered the publications ever since its formation in 1996.

A GSP is special because the content is subject to rigorous technical review during a three-phase submission process. Each paper must receive a minimum of two positive peer reviews before final acceptance.

Papers published in a GSP are indexed in Civil Engineering Database, Google Scholar, and others.

## QUESTIONS? CONTACT:

**Regarding issues related to online paper submission**

- **Helen E. Cook** ([hcook@asce.org](mailto:hcook@asce.org)),  
Geo-Institute of ASCE

**Regarding technical program content or other general program inquiries**

- **Ellen M. Rathje**  
([e.rathje@mail.utexas.edu](mailto:e.rathje@mail.utexas.edu)),  
University of Texas at Austin
- **Adrian Rodriguez-Marek**  
([adrianrm@vt.edu](mailto:adrianrm@vt.edu)), Virginia Tech

# GSP Submission Process and Deadlines

(deadlines may be subject to change)

## Phase One — Abstract Submission

- Authors submit abstracts (see guidelines above) for consideration by **June 7, 2017**.
- The Program Committee will review all abstracts. The committee will decline abstracts that do not fit the theme of the conference, do not have strong scientific merit, are too commercial, or are unlikely to produce a quality paper.
- Notice of these decisions will be sent to the authors by **July 19, 2017**.

## Phase Two — Draft Paper Submission

- Authors submit draft papers for consideration by **September 13, 2017**.
- Draft papers must be formatted according to ASCE guidelines. A sample document that may be used as a template is available at:  
<http://ascelibrary.org/userimages/ContentEditor/1452004406712/author%20formatting%20instructions.docx>
- Session Chairs will arrange for a minimum of two peer reviews for each draft paper based on the ASCE Guidelines for Peer Reviewers of Proceedings Papers, available at:  
<http://ascelibrary.org/userimages/ContentEditor/1452004265291/reviewer%20guidelines.pdf>  
Then, on the results of those reviews and their own judgement, the chairs will make decisions about whether or not to accept the draft paper. Papers may be declined for the same reasons as an abstract or for not following ASCE paper format.  
*Preliminary decisions about presentation formats (rescindable if the final paper is still not of an acceptable quality) may be made at this time, depending on the preference of the Program Committee.*
- Notice of these decisions, along with the two reviews (presented anonymously), will be sent to the authors by **November 22, 2017**.

## Phase Three — Final Paper Submission

- Authors submit final versions of their approved draft papers for consideration by **December 13, 2017**.
- Session Chairs will review the final papers for compliance with review suggestions made during draft phase.  
*Based on instructions from the Program Committee, Session Chairs will accept a specific number of papers for oral podium presentation at the conference. Usually, no more than six papers are presented at the podium during a 90-minute technical session. Other papers submitted to the session may be declined, or offered an alternative presentation type, depending on the conference. Final decisions about presentation formats will be made at this time.*
- Notice of the final decision will be sent to the authors by **February 7, 2018**.

## Conference Program Committee

- **Conference Chair:** Ellen M. Rathje, Ph.D., P.E., F.ASCE, University of Texas at Austin
- **Conference Co-Chair:** Adrian Rodriguez-Marek, Ph.D., M.ASCE, Virginia Tech
- **Technical Program Chair:** Scott J. Brandenburg, Ph.D., P.E., M.ASCE, University of California Los Angeles
- **Technical Program Committee:** Shideh Dashti, Ph.D., A.M.ASCE, University of Colorado at Boulder; Ramin Motamed, Ph.D., P.E., M.ASCE, University of Nevada, Reno; Scott M. Olson, Ph.D., P.E., M.ASCE, University of Illinois; Brady R. Cox, Ph.D., P.E., A.M.ASCE, University of Texas; Domniki Asimaki, Ph.D., A.M.ASCE, California Institute of Technology
- **Short Courses/Student Programs Co-Chairs:** Dimitrios Zekkos, Ph.D., P.E., M.ASCE, University of Michigan; Christopher E. Hunt, Ph.D., P.E., G.E., M.ASCE, Geosyntec Consultants
- **Student and Younger Member Activities:** Menzer Pehlivan, Ph.D., P.E., M.ASCE, CH2M
- **Proceedings Chair:** Majid T. Manzari, Ph.D., M.ASCE, George Washington University
- **Proceedings Committee:** Tong Qiu, Ph.D., P.E., M.ASCE, Pennsylvania State University; Namasivayam (Sathi) Sathialingam, Ph.D., P.E., G.E., D.GE, F.ASCE, Fugro Consultants, Inc.
- **Sponsorships and Exhibits Chair:** Thaleia Travasarou, Ph.D., P.E., G.E., M.ASCE, Consultant
- **Conference Program Specialist:** Helen Cook (hcook@asce.org), Geo-Institute/ASCE

# Conference Program Schedule

*Subject to change*

Date / Time	Activity
<b>Sunday, June 10, 2018</b>	
8:00 a.m. – 5:00 p.m.	Short Courses and Workshops
4:00 – 5:00 p.m.	Graduate Student/Young Professional Career Workshop
5:00 – 6:30 p.m.	Opening Session and H. Bolton Seed Medal Lecture
6:30 – 8:00 p.m.	Welcome Reception
<b>Monday, June 11, 2018</b>	
8:30 – 10:00 a.m.	Welcome / Keynote Lectures
10:00 – 10:30 a.m.	Break
10:30 a.m. – 12:00 p.m.	Parallel Technical Sessions-I
12:00 – 1:30 p.m.	Lunch / Posters
1:30 – 3:00 p.m.	Parallel Technical Sessions-II
3:00 – 3:30 p.m.	Break
3:30 – 5:00 p.m.	Parallel Technical Sessions-III
5:00 – 6:00 p.m.	Graduate Student Lightning Sessions
6:00 – 7:30 pm	Reception
<b>Tuesday, June 12, 2018</b>	
8:30 – 10:00 a.m.	State-of-the-Art/State-of-the-Practice Lectures
10:00 – 10:30 a.m.	Break
10:30 a.m. – 12:00 p.m.	Parallel Technical Sessions-IV
12:00 – 1:30 p.m.	Lunch / Posters
1:30 – 3:00 p.m.	Parallel Technical Sessions-V
3:00 – 3:30 p.m.	Break
3:30 – 5:00 p.m.	Parallel Technical Sessions-VI
7:00 – 9:00 p.m.	Dinner Banquet
<b>Wednesday, June 13, 2018</b>	
8:30 – 10:00 a.m.	State-of-the-Art/State-of-the-Practice Lectures
10:00 – 10:30 a.m.	Break
10:30 a.m. – 12:00 p.m.	Parallel Technical Sessions-VII
12:00 – 1:30 p.m.	Lunch / Posters
1:30 – 3:00 p.m.	Parallel Technical Sessions-VIII
3:00 – 3:30 p.m.	Break
3:30 – 5:00 p.m.	Parallel Technical Sessions-IX
5:00 – 5:30 p.m.	Closing Keynote Speaker