



# International Foundations Congress and Equipment Exposition (IFCEE 2018) March 5-10, 2018 Hilton Buena Vista Palace Orlando, Florida USA

## Call for Abstracts

### About the conference

The International Association of Foundation Drilling (ADSC), Deep Foundations Institute (DFI), Geo-Institute of the ASCE (G-I), and Pile Driving Contractors Association (PDCA) will again join together to host the International Foundations Congress and Equipment Exposition (IFCEE 2018) at the Hilton Buena Vista Palace in Orlando, Florida from March 5-10, 2018. The program will include technical paper sessions, panel discussions, indoor exhibits, an outdoor equipment exposition, educational short courses, technical committee meetings, and networking events.

The technical program will include keynote lectures delivered in plenary sessions and technical sessions with multiple concurrent tracks. The Congress will also feature ADSC's O'Neill Lecture, DFI's annual Osterberg and Gerwick Lectures, G-I's annual Peck, Seed, and Terzaghi Lectures, and PDCA's inaugural E.A.L. Smith Lecture.

### IFCEE 2018 Technical Program

The IFCEE 2018 Program Committee invites high-quality submissions of both technical papers and case histories to the premier foundations congress in the world. Papers are welcomed across a broad range of topics within the geo-industry, however, abstracts with a *foundations* focus are encouraged. Papers are also encouraged that reflect the various viewpoints of stakeholders: general and specialty contractors, consulting and design engineers, policy makers, owners, researchers, educators, and students. Collaborative submissions from teams of stakeholders (for example, a designer and a contractor) are particularly welcomed.

Sessions will include papers addressing all aspects of geotechnical engineering design and analysis, construction, testing, quality assurance, contracts and procurement, research, and case histories. **Case history papers are particularly welcome, and should include a "lessons learned" component.**

This Call for Abstracts is being issued for papers to be included in the technical program sessions. Both oral and poster presentations will be included in the program. The committee will provide special recognition during the Congress to papers deemed of high quality and exceptional contribution to the geoprofessional industry.

#### General topics of interest include:

- ✓ Analysis and Design
- ✓ Design for Extreme Events
- ✓ Earth Retention and Stabilization
- ✓ Deep Foundations
- ✓ Shallow Foundations
- ✓ Energy Foundations: Wind, Transmission, Geothermal
- ✓ Effects of Construction on Foundation Performance
- ✓ Geo-Characterization
- ✓ Geotechnology
- ✓ Ground Improvement and Grouting
- ✓ Innovative Contracting and Procurement
- ✓ Quality Control/Quality Assurance
- ✓ Risk and Reliability
- ✓ Sustainability
- ✓ Testing, Instrumentation, and Evaluation

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### Conference Proceedings

The IFCEE 2018 conference proceedings will be published as a series of volumes organized around particular topics. Most of the volumes will be published as **Geotechnical Special Publications (GSP)**, and one volume, reserved for case histories and lessons learned in general practice will be a **Geotechnical Practice Publication (GPP)**.

- **Geotechnical Special Publications (GSP):** 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. 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. Papers published in a GSP are indexed in Civil Engineering Database, Google Scholar, and others. 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.
- **Geotechnical Practice Publications (GPP):** Geotechnical Practice Publications (GPP) showcase practice-oriented papers presented at conferences, and serve as a means to make material developed by practicing engineers available to a broader audience. Papers included in a GPP must be reviewed by an editorial board or receive one positive review from a designated reviewer.

NOTE: A copy of the proceedings will be provided ONLY to those who register for and attend the conference, or to those who purchase a copy after the conference. Complimentary copies of the proceedings are not automatically provided to authors; only to conference attendees.

## 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/29/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)

Due Dates-at-a-Glance	
Abstracts Due	3/29/2017
Decision on Abstracts	5/3/2017
Draft Papers Due	6/21/2017
Decisions on Draft Papers	8/16/2017
Revised papers Due	9/13/2017
Final Decision	11/1/2017

- 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 tracks:
  - **TRACK A/ Piles, Shafts, and Load-Bearing Elements (GSP)**  
*Including sub-topics such as:* driven piles; drilled shafts/bored piles; CFA/augered cast-in-place/drilled displacement piles; micropiles; helical piles; and load bearing elements (LBEs)
  - **TRACK B/ Deep Foundations (GSP)**  
*Including sub-topics such as:* seismic loads on deep foundations; integrity testing and QC issues, re-use of foundations; reliability and LRFD; energy piles (geothermal piles); other sustainability topics for deep foundations; and transmission foundations.

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- **TRACK C/ Earth Retention and Support (GSP)**  
*Including sub-topics such as:* deep excavation design; helical anchors; numerical modeling of excavation performance; dewatering and excavation stabilization; and procurement practices for anchored earth retention projects
- **TRACK D/ Ground Improvement & Seepage Control (GSP)**  
*Including sub-topics such as:* ground improvement for static reinforcement (aggregate piers, vibro-replacement); ground improvement for seismic reinforcement (DSM, vibro-stone columns, etc.); deep soil mixing/cutter soil mixing technologies; densification (vibro-compaction, deep dynamic compaction); seepage control barriers (slurry walls, trenching) and grouting
- **TRACK E/ Other Topics in Geotechnical Engineering (GSP)**  
*Including sub-topics such as:* shallow foundations; earthquakes and soil dynamics; embankments, dams, and slopes; geoenvironmental; rock mechanics; soil erosion; unsaturated soils; sustainability in geotechnical engineering; monitoring/instrumentation; subsurface characterization/site investigation; and laboratory testing
- **TRACK F/ Case Histories, Lessons Learned and General Practice (GPP)**  
Including practical aspects and lessons learned on technical topics in Tracks A through E such as: innovative solutions and challenging foundation and excavation applications; advancements in construction methods, materials and equipment; contractor optimization/value engineering, and use of quality control and assurance processes to increase project value.

**NOTE: Papers formatted as case histories may be submitted to either the GPP or the GSP topics, depending on the level of review desired by the author(s).**

- **All abstracts are due by March 29, 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>

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## GSP/GPP Submission Process and Deadlines

*(deadlines may be subject to change)*

### Phase One — Abstract Submission

- Authors submit abstracts (see guidelines above) for consideration by **March 29, 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 **May 3, 2017**.

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### Phase Two — Draft Paper Submission

- Authors submit draft papers for consideration by **June 21, 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 **August 16, 2017**.

### Phase Three — Final Paper Submission

- Authors submit final versions of their approved draft papers for consideration by **September 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 **November 1, 2017**.

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## Technical Program Committee

### Chair:

- W. Robert Thompson, III, P.E., D.GE, Dan Brown and Associates

### Members:

- Tracy T. Brettmann, P.E., D.GE, A.H. Beck
- Allen Cadden, P.E., D.GE, F.ASCE, Schnabel Engineering
- Peggy Hagerty-Duffy, P.E., D.GE, ADSC
- Bernard H. Hertlein, FACI, GEI Consultants
- Terence P. Holman, Ph.D., P.E., Turner Engineering Group at Turner Construction Company
- Michael D. Justason, P.Eng., McMaster University/Birmingham Foundation Solutions
- Mary Ellen Bruce Large, P.E., D.GE, Deep Foundations Institute
- Evgenia-Anna Sellountou, Ph.D., P.E., Pile Dynamics, Inc.

### Proceedings Editors:

- Anne Lemnitzer, Ph.D., P.E., University of California, Irvine
- Armin W. Stuedlein, Ph.D., P.E., Oregon State University
- Muhannad T. Suleiman, Ph.D., Lehigh University

## QUESTIONS?

### Regarding issues related to online paper submission:

- Helen E. Cook  
Geo-Institute of ASCE  
(hcook@asce.org)

### Regarding technical program content or other general program inquiries:

- Robert Thompson  
Dan Brown and Associates  
(rthompson@dba.world)