

# 46<sup>th</sup> ANNUAL CONFERENCE ON DEEP FOUNDATIONS



## Las Vegas

MGM GRAND | OCTOBER 12-15, 2021

## CALL FOR ABSTRACTS FOR TECHNICAL PAPERS AND PANEL SESSIONS

Submit here: [www.dfi.org/annual2021](http://www.dfi.org/annual2021)

**ABSTRACT DEADLINE: January 15, 2021**

Please submit abstracts for original technical papers and panel sessions for the DFI 46th Annual Conference on Deep Foundations to be held October 12-15, 2021 in Las Vegas, Nevada. The conference will discuss how to **IMPROVE THE ODDS** of generating high value foundation solutions when **THE HOUSE** is the ever-changing challenges of variable ground conditions, extreme events, and demanding project constraints. **#DFI46**. This conference will highlight deep foundations industry practices and practitioners.

All accepted papers will be published in the Conference Proceedings and select papers will be presented orally by the author during the technical sessions. Speakers and attendees will be invited to participate in-person and virtually. Proposals for panel sessions are welcomed and encouraged. Please describe the panel topic and list the proposed speakers in the abstract. Paper format guidelines are available at [www.dfi.org/annual2021](http://www.dfi.org/annual2021). Abstracts are accepted on the following topics:

- **Challenging Soil Conditions in Las Vegas Area** (spatial variability, caliche, collapsible and expansive soils, subsidence, laboratory and in situ (geophysical and geotechnical) characterization, sampling techniques)
- **Challenges of Unanticipated Soil Conditions** (karst, hard rock, groundwater, soft clays,)
- **Natural Hazards** (impact of extreme events on deep foundations: flash floods, scour, landslides, earthquakes, tsunamis)
- **Seismic Design and Construction Practices** (liquefaction, seismic settlement, dynamic loading, response of reinforced/improved soils, application of current codes)
- **National and International Case Histories** (innovative construction and application of deep foundations, ground improvement, and retaining walls)
- **Deep Foundation Advancements** (special construction methods, large diameter and very deep drilled and driven elements, semi-rigid and rigid inclusions)
- **Risk and Contracting Methods** (bid leveling among varying proprietary methods and techniques, decision making considering variety of available methods)
- **Foundation Monitoring and Testing** (planning and execution, instrumentation of load tests in challenging soils, integrity testing methods, noise and vibrations, project information and data management systems)
- **Sustainability** (re-use of foundations, embodied carbon, geothermal foundations, wind energy foundations)
- **Other Deep Foundations Topics**

**Conference Chair:** Tim Avery, P.E., *Keller North America*  
[tim.avery@keller-na.com](mailto:tim.avery@keller-na.com)

**Program Co-Chairs:** Ramin Motamed, Ph.D., P.E., *University of Nevada Reno*, [motamed@unr.edu](mailto:motamed@unr.edu) and Martin Hudson, Ph.D., P.E., G.E., *Turner Construction Company*, [mbhudson@tcco.com](mailto:mbhudson@tcco.com)

**For technical questions, contact:** Mary Ellen Bruce Large, P.E., D.GE., DFI Director of Technical Activities, [melarge@dfi.org](mailto:melarge@dfi.org)

### IMPORTANT DATES

<b>Abstracts Due:</b>	January 15, 2021
<b>Decision on Abstracts:</b>	January 22, 2021
<b>Draft Papers Due:</b>	April 9, 2021
<b>Decisions on Draft papers:</b>	July 2, 2021
<b>Revised Papers Due:</b>	July 30, 2021
<b>Final PowerPoint Due:</b>	September 10, 2021