

International Conference on Deep Foundations and Ground Improvement

Urbanization and Infrastructure
Development: Future Challenges

June 6-8, 2018 | Rome, Italy



CALL FOR ABSTRACTS

Technical Papers and Mega Project Presentations

Call for Abstracts

International public and private clients are invited to present their upcoming programs for development of new infrastructure. Researchers and designers are warmly invited to contribute and debate design and modeling criteria for new and innovative technologies. Presentations related to variations in national and international codes (including Eurocode), new investigation methods, Project Management Information System (PMIS) and building information modeling (BIM) implementation, are particularly welcomed. Contractors are invited to discuss case histories that highlight how these procedures impact contractual rules, construction risk, execution procedures, quality control and final acceptance criteria. Geotechnical equipment and material manufacturers as well as technology providers are invited to present advancements and trends in capabilities, safety, sustainability, and environmental compliance. Young researchers are encouraged to submit for consideration summaries of their PhD and MSc final reports that are related to the conference theme.

Topics of Interest

- Deep Foundation Technologies
- Ground Improvement Technologies
- Modeling & Computing for New Techniques
- Project Management Information System (PMIS)
- Building Information Modeling
- Equipment and Material Advancements
- Contractual Rules
- Construction Risk
- Case Histories including Lessons Learned
- Innovative Solutions for Complex Problems
- Harmonization of National & International Codes
- Geotechnical Investigation & Testing

Submit your abstract to one of the following sessions:

A. Deep Foundation Technologies

- Case histories and Lessons Learned on Deep Foundations Projects in relation to construction, technologies, equipment, materials, and quality control.
- Innovative solutions for new challenges in Deep Foundations.
- Risk analysis in the various stages of design and construction.

B. Design and Modeling Criteria

- Design criteria, modeling and computing for new applications in geotechnical projects.
- Differences in implementation between national and international codes and possible harmonization.
- Strategies for improving the various codes to reflect innovations and advancements in modern technologies, equipment and computer recording systems.
- Geotechnical risk analysis in design.

C. Ground Improvement Technologies

- Case histories and Lessons Learned on Ground Improvement Projects in relation to construction, technologies, equipment, materials, and quality control.
- Innovative solutions for new challenges in Ground Improvement.
- Risk analysis in the various stages of design and construction.

D. Connections between PMIS and BIM (Project Management Information Systems and Building Information Modelling)

- Definition and implementation of the PMIS (Project Management Information System) concept in geotechnical projects.
- Definition and implementation of the BIM (Building Information Modelling) concept in geotechnical projects.
- Synergy between the PMIS and BIM in relation to geotechnical projects.
- Using IMS programs as method to improve project Quality Control, Quality Assurance and final project Acceptance Criteria
- Remote analysis of the data provided by the IMS programs.
- Application of PMIS for reduction of risk based on a better understanding of data and information before, during and after project construction.

E. Geotechnical Investigation and Testing Requirements

- Improvement in geotechnical site investigation technologies and laboratory testing methods.
- Geotechnical data requirements and interpretation based on new technologies and equipment.
- Risk in relation to quality and scope of geotechnical investigations.

F. Contractual Rules and Construction Risk

- Definition and examples of risk in geotechnical projects and suggested solutions for risk reduction.
- Reduction of Construction and Contractual Risk resulting from the use of the PMIS and BIM.
- Contract procurement methods and in relation to contractual risks.
- Technical specifications and method statements in relation to procurement methods.
- Contractors' corporate and key personnel: qualifications and experience requirements.

Abstracts for technical papers and panel sessions can be submitted at www.dfi-efc2018.org, no later than **Friday, June 16, 2017**. All accepted papers will be published in the Conference Proceedings, and select papers will be presented orally by the author during the appropriate technical session. Proposals for client presentations on mega infrastructure projects and their geotechnical challenges are welcomed and encouraged.

Deadline Date	Description
June 16, 2017	Interested Authors should submit an Abstract of not more than 300 words online at www.dfi-efc2018.org . Details and submission forms will be available through the website. Incomplete submissions will not be considered.
July 10, 2017	Authors will be notified of their acceptance status. If selected, an original technical paper will be required.
September 15, 2017	If selected, Draft Papers from Authors due (10-page limit). If selected, proposed outline of panel session (along with potential speakers) is due.
December 11, 2017	Draft Paper reviews complete; decision on presentation status, and review comments to be returned to Authors.
February 12, 2018	Revised Papers accepted with Mandatory Changes due for re-review.
March 12, 2018	Final Papers from all accepted Authors due (10-page limit).
April 13, 2018	Draft PowerPoint Presentations due for Technical Committee Review (PowerPoint guidelines will be provided).
May 14, 2018	Final PowerPoint Presentations due.