

**INTERNATIONAL CONFERENCE  
INSTALLATION EFFECTS IN GEOTECHNICAL ENGINEERING**



Delft The Netherlands  
24 - 27 March 2013

**INVITATION**

The partners of GEO-INSTALL warmly invite you to participate in the closing conference of this project, to share in the state of the art on installation effects in geotechnical engineering. GEO-INSTALL (FP7/2007-2013, PIAG-GA-2009-230638) is an Industry-Academia Pathways and Partnerships project funded by the European Community from the 7th Framework Programme.

**THE AIM OF THE CONFERENCE**

Infrastructure construction involves the installation of structural elements, such as piles and various ground improvement techniques for soils and rocks. The installation process itself can be quasi-static (for example jacked piles) or dynamic (vibratory methods, such as stone columns and driven piles), and generally involves very large deformations and changes in pore pressure. The fact that natural soils are complex geomaterials, exhibiting structure and rate-dependent behaviour, makes analysis of such problems yet more challenging. In particular, the influence of installation on key design parameters, such as mobilised strength at the soil-structure interface and soil stiffness, is difficult to quantify and, as yet, impossible to model. Numerical analyses using the standard Finite Element Method (FEM) are unable to produce accurate descriptions of large deformation problems due to excessive mesh distortions and novel techniques need to be developed.

The aim of the conference is to provide an international forum for presenting and discussing the latest developments in monitoring, analysing and managing installation effects in geotechnical engineering. Papers on any aspect of this subject are most welcome. Active discussion on important topics will be facilitated through invited keynote lectures, which set the scene for the main theme of the conference. In addition, The partners of GEO-INSTALL will present some highlights of their joint research programme, achieved through intense collaboration between industry and academia.

**VENUE**

The conference will be held in Rotterdam, the Netherlands. Accommodation is available in nearby hotels.

**REGISTRATION FEES**

Registration fees will include attendance of the conference, conference proceedings, reception, banquet, lunches and coffee breaks.

- standard rate - 500 euros (registration before 8 February 2013)
- 600 euros (registration after 8 February 2013)
- student rate - 250 euros
- GEO-INSTALL members - 250 euros

**IMPORTANT DATES**

abstract submission deadline	15 June 2012
abstract acceptance notification	1 July 2012
paper submission deadline	1 November 2012
paper acceptance notification	4 January 2013
early registration	8 February 2013
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**CONFERENCE TOPICS**

The conference topics are related to installation effects in geotechnical engineering and cover all important aspects, ranging from large deformation modelling to real field applications. The main topics are:

- Installation Effects
- Soil Improvement
- Computational Methods
- Constitutive Modelling
- Soil-Structure Interaction
- Offshore Constructions and Foundations

**CALL FOR PAPERS**

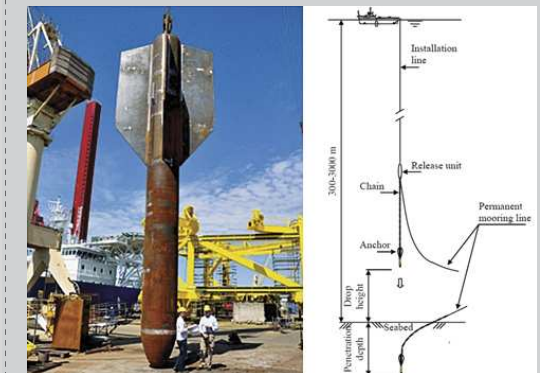
Send your abstracts to: [geoinstall@tudelft.nl](mailto:geoinstall@tudelft.nl) (length 250 words)

**LANGUAGE**

The official language of the conference is English.

**CONFERENCE PROCEEDINGS**

Accepted papers will be published in the conference proceedings.

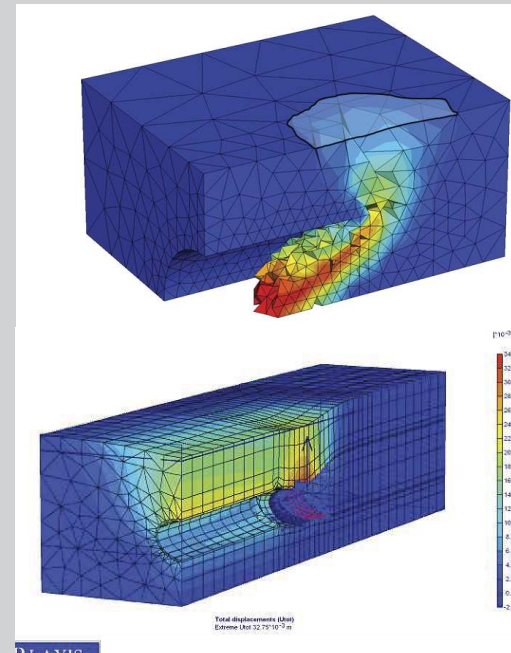


**COMMITTEES**

Organizing committee:  
 Prof. Michael Hicks, Chair  
 Delft University of Technology, the Netherlands  
 Dr. Jelke Dijkstra  
 Delft University of Technology, the Netherlands  
 Dr. Marti Lloret  
 Delft University of Technology, the Netherlands

Scientific committee:

- Dr. Lars Andresen  
NGI, Norway
- Dr. Patrick Becker  
University of Strathclyde, United Kingdom
- Prof. Alan Bell  
Keller, United Kingdom
- Dr. Thomas Benz  
Norwegian University of Science and technology, Norway
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