

International Workshop  
on

## Prediction and Simulation Methods in Geomechanics

14-15 October 2003

Athens, Greece

### Preliminary Application Form

First Name.....

Last Name.....

Title.....

Organization.....

Address.....

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E-mail.....

I am interested

to participate in the workshop

to submit a paper provisionally entitled  
.....

### Correspondence

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Bulletin No.1, Call for Papers

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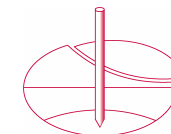
Athens, Greece



Sponsored by  
TC34 of ISSMGE  
EU RTN DIGA

The Japanese Geotechnical Society  
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E.E.E.E.O.

## Objectives

The TC34 on 'Prediction Methods in Large Strain Geomechanics' of the ISSMGE together with the EU RTN DIGA will organize an International Workshop on "Prediction and Simulation Methods in Geomechanics", which will be held on the premise of the National Technical University of Athens Greece on Oct. 14<sup>th</sup> and 15<sup>th</sup> 2003. This Workshop is sponsored by the Japanese Geotechnical Society, the Hellenic Society of SMFE, Kyoto University and the National Technical University of Athens. The proceedings of this Workshop will be published in book-form and will be made available to all participants at the Workshop.

## Topics

Possible themes of the papers are:

- Prediction of mechanical and thermo-hydromechanical stabilities: large deformation, strain localization, progressive failure, liquefaction, ground water flow analysis with contamination from toxic materials, temperature dependent behavior of saturated geomaterials and rapid flows of complex geo-fluids such as mud flow;
- Development of advanced prediction method based on new numerical and analytical techniques such as mesh free FEM, large deformation analysis and performance based design method aided by sophisticated numerical modeling;
- Advanced constitutive modeling of geomaterials including cyclic plasticity, viscoplasticity and unconventional plasticity etc. for natural and treated geomaterial;
- Numerical implementations and constitutive parameter determination using laboratory and field test results  
Inverse analysis and upscaling;

- Evaluation of existing prediction methods such as elastic and simplified elasto-plastic numerical analysis, and limit analysis etc.

## General Information

### Submission of Abstracts

The one page abstract should include title of the paper, name, affiliation and address of authors, fax/telephone numbers and e-mail address of the corresponding author, 300-500 words synopsis, and also state if authors would like to submit the full paper to *Soils and Foundations* Special Issue after revising the presented paper at the Workshop or not.

Abstract for the Workshop should be submitted to the TC34 Japanese committee of the JGS via e-mail.  
e-mail: [tc34ws@nakisuna.kuciv.kyoto-u.ac.jp](mailto:tc34ws@nakisuna.kuciv.kyoto-u.ac.jp)

### Official Language

The official language will be English.

### Venue

The workshop will held at National Technical University of Athens, Greece.

### Program

The two days program will include Keynote lectures, discussion sessions, poster sessions and oral presentations.

### Important Dates

Deadline for one page abstract ..... 30 April 2003  
Notification of Acceptance ..... 31 May 2003  
Deadline for papers of Workshop ..... 31 July 2003  
Workshop ..... 14-15 Oct. 2003  
Deadline for *Soils and Foundations* ..... 29 Feb. 2004  
Special Issue ..... April 2005

## Soils and Foundations Special Issue

The Journal of the Japanese Geotechnical Society (JGS), *Soils and Foundations*, will publish a Special Issue on April of 2005 in association with the International Workshop of TC34. This Special Issue is totally separated from the proceedings of the International Workshop, since some of presented papers at the Workshop will be invited to be peer-reviewed for publication in an extended form in this Special Issue, based on the recommendation of the organizing committee.

The page limitation and other instruction for the authors of Special Issue are the same as those for papers for usual issue of *Soils and Foundations*, and the submitted manuscripts will be peer-reviewed under the usual procedure.

### Additional Information

Further information on the details of paper format, symposium program, registration procedures and accommodation will be given in the forthcoming bulletin and will be also available on

<http://nakisuna2.kuciv.kyoto-u.ac.jp/tc34/iws/>