



International Conference on  
**"Cyclic Behaviour of Soils and Liquefaction Phenomena"**  
Bochum – Germany, 31 March – 02 April 2004

organized by

**Ruhr University Bochum**  
**Faculty of Civil Engineering**  
**Institute of Soil Mechanics and Foundation Engineering**

## CALL FOR PAPERS

The aim of the conference "Cyclic Behaviour of Soils and Liquefaction Phenomena" (CBS04 in short) is to bring together scientists, engineers and other specialists of cyclic soil behaviour in order to discuss important results and new ideas in this broad field of activity. The goal is to pursue more accurate theoretical models, to present new laboratory test results, to demonstrate more powerful and versatile numerical methods for computerised analysis, and to disseminate expertise in design of various problems involving cyclic or dynamics behaviour of soils.

### CONFERENCE TOPICS

- Theory and analysis, including:
  - constitutive relations of soil under cyclic loading,
  - behaviour of structures under repeated loading (for example high speed railway tracks, etc.),
  - post-seismic stability analysis of soil/structure,
  - stability, dynamics, optimization, reliability, sensitivity, limit load analysis etc..
- Testing, including:
  - cyclic and dynamic laboratory and model testing,
  - in situ testing (for example methods for determination of liquefaction potential).
- Numerical analysis, including:
  - computer methods for cyclic and dynamic problems,
  - soil/structure interaction problems with cyclic and dynamic loading.
- Design, including:
  - industrial applications,
  - design codes of practice and procedures,
  - case studies and failure problems.

### SCIENTIFIC COMMITTEE

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### CALL FOR PAPERS:

Prospective authors of technical papers are requested to submit 600-word abstracts by July 31, 2003 to the Conference Secretariat. Abstract should be submitted if at all possible in electronic form as either Microsoft Word or Tex attachments or a pdf-file. Authors will be notify regarding the acceptance of their abstracts by August 31, 2003. Full 16 page (maximum) papers will be due by December 15, 2003.

### THE MAIN DEADLINES:

Submission of the

- preliminary registration form  
(expression of interest): July 31, 2003
- 600-word abstract: July 31, 2003
- notification to accepted authors: August 31, 2003
- full 16 page (maximum) paper: December 15, 2003
- final registration: January 31, 2004

### GENERAL INFORMATION

- The Conference program will include general lectures, invited lectures and contributed papers presented as lectures. The Conference lectures should be delivered in English.
- All the contribution abstracts (600 words) will be rigorously reviewed prior to acceptance. The full length manuscripts (max.16 pages) will be included in the Conference book, which will be available for the participants at the registration desk.
- Selected papers will be considered for publication in a special issue of a recognized international journal.
- An exhibition related to the Conference themes provided by contractors, system manufacturers and consultants may be organized during the event.
- The second announcement with more details about the Conference fees, general lectures and the format of the full length paper will be sent to persons who return the preliminary registration forms.
- Electronic registration is available by the means of our homepage <http://www.gub.ruhr-uni-bochum.de/CBS04>
- For more details please visit our Internet Homepage or contact the Conference Secretariat.
- Please feel free to distribute this Conference announcement to all interested persons and institutions.

### ORGANIZING COMMITTEE

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