

## KIT CAMPUS SÜD (UNIVERSITY) Site map



### Travelling by car:

Leave the highway A5 at the exit „Karlsruhe-Durlach“ and continue towards “Karlsruhe-Stadtmitte” (not KA-Durlach!). Follow the traffic signs “KIT CAMPUS SÜD” until Adenauer Ring. Leave Adenauer-Ring after about 400m at entrance 1 and follow the traffic signs for parking. Parking space is very limited and usually occupied after 8.00 a.m. since parking is free. Take care of short dated route changes due to construction works!

### Travelling by train:

Arriving at the main station you can take either the tram line no. 2 (“Wolfartsweier”), tram line no. 4 (“Waldstadt”) or tram line no. S4 (“Bretten, Eppingen, Heilbronn”), in either case leave the tram at the stop “Durlacher Tor” (see the “H”-symbol on the sketch). Walking distance about 600m to building 50.41. (Please be aware of possible changes of tram lines because of construction works!)

### KIT CAMPUS SÜD (UNIVERSITY) Detailed Map, lecture hall, 1st floor, AVG



Please register before November 12, 2012

#### Return address:

Karlsruhe Institute of Technology (KIT)  
Institute for Soil Mechanics und Rock Mechanics  
Director: Univ. Prof. Dr.-Ing. habil. Th. Triantafyllidis  
Campus Süd, Building 40.22  
Engler-Bunte-Ring 14 P. O. Box 6980  
76131 Karlsruhe 76128 Karlsruhe

Phone: 0721 608-42221, -42220, Fax: 0721 69 60 96  
E-Mail: [wsgeotech@ibf.kit.edu](mailto:wsgeotech@ibf.kit.edu)

[www.ibf.uni-karlsruhe.de](http://www.ibf.uni-karlsruhe.de)



## 2<sup>nd</sup> INTERNATIONAL WORKSHOP FOR1136 GEOTECH

### *Holistic Simulation of Geotechnical Installation Processes*

December 3 – 4, 2012

Karlsruhe

KIT Campus Süd

Building 50.41 (AVG)

1st floor, lecture hall R 145/146



# Program

## December 3, 2012

- 11:00 Introduction/Welcome Address/  
Opening Remarks
- 11:15 **Invited Speaker:** R. Finno:  
(Northwestern University, USA):  
*"Factors affecting deformations  
caused by top-down construction"*
- 11:45 **Invited Speaker:** C. Santamarina:  
(Georgia Institute of Technology, USA)  
*"Mixed fluid conditions in energy  
geotechnology"*
- 12:15 Lunch**
- 13:45 (TP 1) A. Niemunis:  
*"Artificial self-equilibrating stress in  
finite elements for high-cycle  
accumulation"*
- 14:15 (TP 2) M. Schenke, B. Markert,  
W. Ehlers:  
*"Modelling cyclic mobility in fluid-  
saturated soils: An elasto-plastic soil  
model based on the TPM"*
- 14:45 (TP 3) P. Wriggers:  
*"Models and discretization  
techniques for contact problems in  
soil mechanics"*
- 15:15 Break**
- 15:45 **Invited speaker:** Ch. Wieners  
(KIT, Germany):  
*"Parallel simulation of an infinitesimal  
elasto-plastic Cosserat model"*

- 16:15 Posters
- 16:45 End of the 1st workshop day
- 19.00 Dinner** (self payers)

## December 4, 2012

- 09:00 **Invited Speaker:** I. Towhata  
(University of Tokyo, Japan)  
*"Seismic performance assessment of  
river levees based on case histories  
and experiments"*
- 09:30 St. Turek, B. Markert, A. Obaid:  
*"Fast solvers and efficient numerical  
techniques for volume-coupled  
fluid-solid problems"*
- 10.00 Break**
- 10:30 (ZP) Th. Triantafyllidis, G. Huber,  
J. Vogelsang:  
*"Demonstrator experiments on  
significant effects during pile  
installation"*
- 11:15 (TP 5) D. Aubram, F. Rackwitz,  
S. A. Savidis:  
*"Numerical and experimental  
investigation of vibro-injection  
pile installation in sand: Recent  
numerical results"*
- 11:45 (TP 6) V. A. Osinov, S. Chrisopoulos,  
Th. Triantafyllidis:  
*"Soil liquefaction around a vibrating  
pile: A parametric study"*
- 12:15 Lunch**

- 13:30 (TP 5) F. Rackwitz, D. Aubram,  
S. A. Savidis:  
*"Numerical and experimental  
investigation of vibro-injection  
pile installation in sand: Recent  
experimental results"*
- 14:00 C. Grandas, Th. Triantafyllidis:  
*"Analytical method for stability analysis  
of corner slurry trenches"*
- 14:30 W. Fuentes, Th. Triantafyllidis:  
*"On the modeling of unsaturated  
porous media with hypoplastic  
relations"*
- 15:00 Closing remarks
- 15:30 End of the workshop

*The number of participants is limited to a maximum of 80 persons. The participation fee of € 100.-/person includes lunches and coffee breaks costs as well as copies of the workshop lectures which will be submitted to the participants after completion. The workshop contributions will be published in our institute series.*

*We recommend bank transfer to the account KIT Karlsruhe Nr. 66001508, BLZ 660 000 00 at the German Bundesbank, subsidiary Karlsruhe, IBAN DE 57 6600 0000 0066 0015 08, SWIFT MARK DE F 1660 as early as possible to ensure participation on the first-come-first-served basis. Late registration is only possible if the number of participants does not exceed the number of 80.*

Return Address

KIT Campus Süd  
Institute for Soil Mechanics and Rock Mechanics (IBF)  
Engler-Bunte-Ring 14, Building 40.22

76131 Karlsruhe

FAX +49 721 696096

Registration

**2<sup>nd</sup> International Workshop FOR1136 GEOTECH**

„Holistic Simulation of Geotechnical Installation Processes“

December 3 - 4, 2012

**Participant**

Name
First name
Title
Institution
Street
ZIP code city
Country
Email

**bank account:**

payee : KIT Karlsruhe  
intended purpose: **2nd Workshop GEOTECH**  
bank: German Bundesbank, subsidiary Karlsruhe  
account no. 66 001 508, bank code no. 660 000 00  
SWIFT MARK DE F1660, IBAN: DE 57 6600 0000 0066 0015 08  
Ident-Nr / VAT No.: DE266749428

The participation fee of € 100,- was transferred to the account above.

date

signature

**Organization details:**

**Participation at the dinner (à la carte)** (3th of December 2012, 7 p.m.)    **yes**     **no**

**Booking Information:** Enclosed please find a list of hotels. Self-booking is requested.

## List of hotels, Karlsruhe – self-booking is requested

(Attention : in December there are several exhibitions and conferences in Karlsruhe, so please take care to book your accommodation as early as possible !!)

1. **Hotel "Am Gottesauer Schloss"**, Gottesauer Straße 32-34,  
D-76131 Karlsruhe, Phone +49 (721) 35 560, Fax +49 (721) 35 56 199,  
E-Mail: [info@hotel-gottesau.de](mailto:info@hotel-gottesau.de)/[www.hotel-gottesau.de](http://www.hotel-gottesau.de)  
HOTEL RATES: (01.03.2012)  
**Single room** (breakfast included) € 60 - 67,00  
**Double room** (breakfast included) € 80 - 95,00
  
- 2). **Hotel Erbprinzenhof**, Erbprinzenstraße 26, 76133 Karlsruhe,  
Phone 0721/27954 oder 23890, Fax 0721/26950  
Email: [info@hotel-erbprinzenhof.de](mailto:info@hotel-erbprinzenhof.de)/[www.hotel-erbprinzenhof.de](http://www.hotel-erbprinzenhof.de)  
HOTEL RATES:  
**Single room standard** € 54 - 61,00  
**Single room comfort** € 66,00  
**Standard** € 74 - 84,00  
**Premium** € 89,00
  
- 3). **Ibis Hotel**, Poststrasse 1, 76137 Karlsruhe,  
Phone (+49)721/352320, Fax (+49)721/35232400,  
[H6965@accor.com](mailto:H6965@accor.com)/[www.ibishotel.com/Karlsruhe](http://www.ibishotel.com/Karlsruhe)  
HOTEL RATES:  
**Single room** (breakfast included) € 109,-  
**Double room** (breakfast included) € 129,-
  
- 4). **Hotel Eden**, Bahnhofstraße 15 – 19, D-76137 Karlsruhe,  
Phone 0721/18180, Fax 0721/1818222,  
[info@hoteleden-karlsruhe.de](mailto:info@hoteleden-karlsruhe.de)/[www.hoteleden-karlsruhe.de](http://www.hoteleden-karlsruhe.de)  
HOTEL RATES:  
**Single room** (breakfast included) € 49 – 79,-  
**Double room** € 74 – 104,-  
(Breakfast 10,00 €, Garage 8,00 €, Internet 24h / 8,50 €)
  
- 5). **Hotel Residenz**, Bahnhofplatz 14-16, 76137 Karlsruhe,  
Phone 0721-3715-0, Fax 0721-3715-113,  
[info@hotel-residenz-ka.de](mailto:info@hotel-residenz-ka.de)/[www.hotel-residenz-ka.de](http://www.hotel-residenz-ka.de)  
HOTEL RATES:  
**Single room** (breakfast included) € 69 – 119,-  
**Double room** (breakfast included) € 79 – 129,-  
„Sleep and Go“ (SINGLE ROOM 11m<sup>2</sup>) € 55,-  
(Parking slot) / Garage 10,00)
  
- 6). **Hotel am Markt GmbH**, Kaiserstraße 76, 76133 Karlsruhe  
Phone +49 (0)721 9199 80, Fax +49 (0)721 9199 899  
eMail: [info@hotelammarkt.de](mailto:info@hotelammarkt.de)/[www.hotelammarkt.de](http://www.hotelammarkt.de)  
HOTEL RATES:  
**Single room:** € 55 – 99,-  
**Double room** € 75 – 119,-

KA, 11th of July 2012