

The Castle of Karlsruhe  
Site map



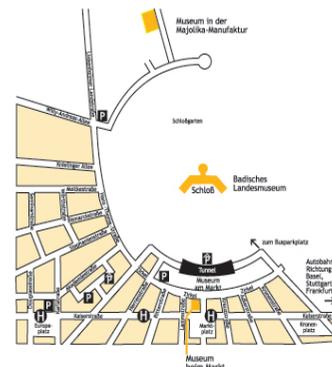
**Travelling by train:**

From Karlsruhe main station the trams S1, S11, S51 and tram number 4 take you to the market square. From there it is only a few minutes' walk.

**Travelling by car:**

Via the A 5 direction Frankfurt / Basel or the A 8 direction Stuttgart / Mannheim Frankfurt you reach Karlsruhe. After the exit "Zentrum" a white signage "Schloss" leads to the Badisches Landesmuseum. You can park your car in the Schlossplatz underground car park (open 24 hours).

**Gartensaal/The Castle of Karlsruhe**  
Detailed Map, Schlossbezirk 10, Karlsruhe



Please register before Juli 31, 2019

Return address:

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**Geotechnik Kolloquium**

*"Beiträge der Bodenmechanik und Geotechnik in Theorie und Praxis"*

**Colloquium on Geotechnical Engineering**

*"Recent Contributions of Soil Mechanics and Geotechnics in theory and practice"*

**September 26-27, 2019**

Gartensaal/Schloss (Castle) Karlsruhe  
Schlossbezirk 10, 76131 Karlsruhe



# Preliminary Programme

(subject to changes)

## September 26, 2019

- 10:00 Introduction/Welcome Address/  
Opening Remarks**
- Session 1:** "Numerical modelling in geotechnical engineering", *Moderation:* Th. Triantafyllidis
- 10:15 Niemunis, A. (KIT/IBF):  
"On FE modelling of two-phase media using the up-discretization"
- 10:45 Rackwitz, F. (TU Berlin):  
"Possibilities and limitations of ALE large deformations analyses in geotechnical engineering"
- 11:15 Zachert<sup>1</sup>, H. / Wichtmann<sup>2</sup>, T.:  
"Approaches for the design of foundations for offshore wind turbines – A review based on comparisons with HCA-based models"  
<sup>1</sup>TU Darmstadt/ <sup>2</sup>RUB Bochum
- 11:45 Lunch**  
**13:00**
- Session 2a:** "Constitutive and numerical modelling", *Moderation:* Th. Triantafyllidis
- 13:00 Houlsby, G. (Univ. of Oxford/GB):  
"Modelling of cyclic loading using hyperplasticity"
- 13:30 Herle<sup>1</sup>, J. / Shi<sup>2</sup>, X.S. / Karcher<sup>3</sup>, C.:  
"Constitutive modelling of multiporous lumpy soils"  
<sup>1</sup>TU Dresden/ <sup>2</sup>HUK/ <sup>3</sup>RWE Power AG
- 14:00 Selvadurai, A.P.S. (McGill University/Canada):  
"Geomechanical influences of interface dilatancy"
- Session 2b:** "Experiments and numerical modelling", *Moderation:* N.N.
- 14:30 Wichtmann<sup>1</sup>, T. / Knittel<sup>2</sup>, L.:  
"Behaviour of granular soils under uni- and multidimensional drained high-cyclic loading"  
<sup>1</sup>RUB Bochum/ <sup>2</sup>KIT/IBF
- 15:00 Grandas, C. / Triantafyllidis, Th. (KIT/IBF):  
"A constitutive model with anamnese for sand"

- 15:30 Coffee Break**
- 16:00 Tafili, M. / Triantafyllidis, Th. (KIT/IBF):  
"State-dependent dilatancy of soils: experimental evidence and constitutive modeling"
- Session 3:** "Infrastrukturprojekte/Infrastructure projects", *Moderation:* N.N.
- 16:30 Whittle, A. / Vasiliki Founta. (MIT/USA):  
"Prediction and control of ground deformations for mechanized tunneling in clays with mixed face conditions"
- 17:00 Osinov, V.A. / Chrisopoulos, S. (KIT/IBF):  
"Two neighbouring tunnels in saturated soil under blast loading"
- 17:30 Gerolymatou<sup>1</sup>, E. / Petalas<sup>1</sup>, A.:  
"In situ stress assessment based on width and depth of brittle borehole breakouts"  
<sup>1</sup>Chalmers University of Technology, Sweden
- 18:00 End of the 1st workshop day**

## September 27, 2019

- Session 4:** "Renaturierung von Tagebauen" / "Renaturation of open cast mining", *Moderation:* N.N.
- 10:00 Dahmen, D. (RWE Power AG):  
"Geotechnical aspects in designing the permanent slopes of future lakes in opencast mines in the Renish lignite mining area"
- 10:30 Machaček, J. / Triantafyllidis, Th. (KIT/IBF):  
"Coupled numerical simulations for seismic hazard assessment of large opencast slopes"
- Session 5:** "Baugrunddynamik und Baudynamik"/ "Soil and structural dynamics", *Moderation:* N.N.
- 11:00 Yang J. (HKU, Hong Kong):  
"Shear wave based screening method for liquefaction evaluation"
- 11:30 Polyzos<sup>2</sup>, D. / Ahmedi<sup>1</sup>, A.B. / Livitsanos<sup>1</sup>, G. / Aggelis<sup>1</sup>, D.G. / Gortsas<sup>2</sup>, Th. V.:  
"A study on the wave dispersion in concrete due to damage; Numerical observations and theoretical predictions"  
<sup>2</sup>Univ. of Patras, <sup>1</sup>Vrije Univeriteit Brussel

- 12:00 Lunch**  
**13:15**
- Session 6:** "Spezialtiefbau bzw. Geotechnik"/ "Special foundation engineering or "Geotechnics"  
*Moderation:* N.N.
- 13:15 Cudmani, R. (TUM): "Geotechnical challenges for the numerical prediction of the settlement behaviour of foundations in the Rosenheim lacustrine sediments"
- 13:45 Dausch, G. (Bauer Spezialtiefbau GmbH): "Die Schlitzwandtechnik" – Planung, Ausführung und Entwicklungen der letzten 65 Jahre
- 14:15 Baeßler<sup>1</sup>, M. / Cuellar<sup>1</sup>, P. / Lüddecke<sup>2</sup>, F. / Victor<sup>2</sup>, A.: "Stability and large deformations of slender structures supported by soil materials"  
<sup>1</sup>BAM, Berlin/ <sup>2</sup>Jörs-Blunck-Ordemann GmbH, Hamburg
- 14:45 Coffee break**
- 15:15 Hettler<sup>1</sup>, A. / Triantafyllidis<sup>2</sup>, Th.:  
"Baugruben: Berechnungsverfahren"  
<sup>1</sup>TU Dortmund/ <sup>2</sup>KIT/IBF, Karlsruhe
- 15:45 König<sup>1</sup>, D. / v. Blumenthal<sup>1</sup>, A. / Goudarzy<sup>1</sup>, M.:  
"Traces of Prof. Triantafyllidis in Bochum"  
<sup>1</sup>RUB Bochum
- 16:15 Huber, G. (KIT/IBF): "Geotechnische Versuchstechnik – Ausgewählte Beispiele"
- 16:45 Poster session and discussion
- 17:00 End of the workshop**
- 19:30 Abendveranstaltung/Banquet**

### Anmeldung/Registration

<b>Teilnehmergebühr/Participant fee:</b>	
"Early bird" (bis/until 31.05.2019)	€ 210,-
Regular (ab/from 01.06.2019)	€ 290,-
Studenten/students*	€ 100,-*

(\*students at maximum age 25 (no PhD students), with a valid student ID, without banquet)

Die Teilnehmergebühr beinhaltet die Teilnahme am Kolloquium, die Tagungsunterlagen, Kaffee, Mittagsimbiss, Abendveranstaltung sowie die Kolloquium Beiträge, welche als Buch bei Springer erscheinen. Die Anmeldung ist erst nach Einzahlung der Teilnehmergebühr gültig. Eine Rückerstattung einbezahlter Beiträge ist nicht mehr möglich. (s. Anmeldeformular)

The participation fee includes the participation in the colloquium, the conference documents, coffee, lunch snacks, banquet as well as the colloquium contributions, published in a book by Springer. Registration is only valid after payment of the participation fee. A refund of paid contributions is not possible (s. registration form).