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 to 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).
Programme

September 26, 2019

Start of registration from 09.00 a.m.

10:00 Introduction/Welcome Address/Opening Remarks

Session 1: “Numerical modelling in geotechnical engineering”, Moderation: Th. Triantafyllidis

10:10 Niemunis, A. (KIT/IBF): “On FE modeling of two-phase media using the up-discretization”

10:40 Rackwitz, F. (TU Berlin): “Possibilities and limitations of ALE large deformations analyses in geotechnical engineering”

11:10 Zachert1, H. / Wichtmann2, T.: “Approaches for the design of foundations for offshore wind turbines – A review based on comparisons with HCA-based models”

1TU Darmstadt / 2RUB Bochum

11:40 Lunch

Session 2a: “Constitutive and numerical modelling”, Moderation: A. Whittle

13:00 Herle1, I. / Shi2, X.S. / Karcher3, C.: “Constitutive modelling of multiporous lumpy soils”

1TU Dresden / 2HUK / 3RWE Power AG

13:30 Selvadurai, A.P.S. (McGill University/Canada): “Geomechanical influences of interface dilatancy”

14:00 Tafili, M. / Triantafyllidis, Th. (KIT/IBF): “State-dependent dilatancy of soils: experimental evidence and constitutive modeling”

14:30 Coffee break

15:00 Session 2b: “Experiments and numerical modelling”, Moderation: R. Cudmanni

15:30 Grandas, C. / Triantafyllidis, Th. / Knittel, L.: “Behavioral of granular soils under uni- and multidimensional drained high-cyclic loading”

1RUB Bochum / 2KIT/IBF

16:00 Cudmanni, R. / Rebstock, D / Schorr, J. (TUM): “Geotechnical challenges for the numerical prediction of the settlement behaviour of foundations in Rosenheim’s seeston”

16:30 Beckhaus, K. (Bauer Spezialtiefbau GmbH): “Diaphragm wall technique – planning, execution and development over the last 65 years”

17:00 Baeßler1, M. / Cuellar1, P. / Lüdecke2, F. / Victor2, A.: “Stability and large deformations of slender structures supported by soil materials”

1BAM, Berlin / 2Jöns-Blunck-Ordemann GmbH, Hamburg

17:30 End of the 1st workshop day

September 27, 2019

Session 4: “Renaturation of open cast mining”, Moderation: T. Wichmann

10:00 Dahmen, D. (RWE Power AG): “Geotechnical aspects in designing the permanent slopes of future lakes in opencast mines in the Rhenish lignite mining area”

10:30 Machaček, J. / Grandas, C. / Triantafyllidis, Th. (KIT/IBF): “Coupled numerical simulations for seismic hazard assessment of large opencast slopes”

11:00 Yang J. (HKU, Hong Kong): “Shear wave based screening method for liquefaction evaluation”

11:30 Polyzos1, D. / Ahmad2, A.B. / Livitsanos2, G. / Aggelis2, D.G. / Gortsas1, Th. V.: “A study on the wave dispersion in concrete due to damage: Numerical observations and theoretical predictions”

1Univ. of Patras, 2Vrije Universiteit Brussel

12:00 Lunch


13:15 Whittle, A. / Founta, V. (MIT/USA): “Prediction and control of ground deformations for mechanized tunneling in clays with mixed face conditions”

14:15 Gerolymatou1, E. / Petalas1, A: “In situ stress assessment based on width and depth of brittle borehole breakouts”

1Chalmers University of Technology, Sweden

14:45 Coffee break

15:15 Session 6 (continuation): “Special foundation engineering or Geotechnics”, Moderation: M. Baeßler

15:15 Hettler1, A. / Triantafyllidis2, Th.: “Excavation pits: Calculation methods”

1TU Dortmund / 2KIT/IBF, Karlsruhe


16:15 Huber, G. (KIT/IBF): “Ballast behaviour seen from a geotechnical point of view”

16:45 Closing remarks

17:00 End of the workshop

19:30 Abendveranstaltung/Banquet

Akropolis-Restaurant, Ziegler Saal

Baumeisterstraße 18, 76137 Karlsruhe