

Workshop Tongji-ACTUE-Cork-SFB837

8th of October 2019 – Workshop: Recent Advances in Tunneling
(Montanuniversität Leoben – Zentrum am Berg)

09:30	Meeting at <i>Mario-Stecher-Platz-1, Eisenerz</i>
10:15 – 10:20	Opening / Prof. Robert Galler
10:20 – 12:00	Session 1 / Chairman: Prof. Günther Meschke
	<ul style="list-style-type: none"> Prof. Robert Galler (Montanuniversität Leoben): <i>ZaB-Zentrum am Berg – The New In Situ Research- and Development as well as Training and Education Center for Underground Engineering</i> Zijie Jiang (CCE - Tongji University): <i>Study on Influences of the Strengthening Timing of Shield Tunnels Strengthened by Steel Plate – UHPC Composite Structure</i> Christopher Riedel (SFB 837 - RUB): <i>Application of Full Waveform Inversion for Seismic Reconnaissance in Mechanized Tunneling Using a Frequency Domain Model</i> Prof. Zili Li, Chao Wang (University College Cork): <i>3D Modelling of Hydro-mechanical Cross Passage Tunnel Behavior</i> Qinghua Guo (CCE - Tongji University): <i>Theoretical and Numerical Study on Mass Flow Rate of the Shaft in Natural Ventilation Tunnel Fires</i>
12:00 – 13:20	Lunch
13:20 – 14:40	Session 2 / Chairman: Prof. Zili Li
	<ul style="list-style-type: none"> Robert Wenighofer (Montanuniversität Leoben): <i>Automized Face Monitoring in TBM-Tunneling</i> Prof. Thomas Marcher (TU Graz): <i>Automatic Rock Mass Classification Approach from TBM Machine Data</i> Rodolfo Williams (SFB 837 - RUB): <i>Computational Modelling of Freezing Soils including Creep</i> Yudan Gou (CCE - Tongji University): <i>Automated Modeling and Analysis Platform of Shield Tunnel Structures Based on Independent Cover Meshless Method</i>
14:40 – 15:00	Coffee break
15:00 – 16:00	Session 3 / Chairman: Prof. Robert Galler
	<ul style="list-style-type: none"> Weifeng Wu (CCE - Tongji University): <i>Seismic Response of Subway Station in Soft Soil: Shaking Table Testing versus Numerical Analysis</i> Peyman Mianji (SFB 837 - RUB): <i>Infiltration Behavior of Bentonite Slurry into Granular Soils – Experimental Investigation and Analytical Models' Evaluation</i> Manuel Winkler (TU Graz): <i>Artificial Test Samples to Simulate 'Soft Rock Anisotropy'</i>
16:00 – 16:15	Closing - Prof. Robert Galler / Prof. Günther Meschke
16:15 – 18:15	Visit of 'Zentrum am Berg'
18:15	Farewell