

# PR China – Austria Workshop on Tunnel and Underground Engineering

No	Schedule	Speaker	Lecture	Chair	
<b>29th</b> session I 9:00–10:30					
1	9:00-9:15	Welcoming address			
2	9:15-9:40	Wenqi Ding	Introduction to geotechnical engineering of Tongji University and recent research activities	Robert Galler	
3	9:40-10:05	Helmut F. Schweiger	Numerical analysis of tunnel excavation in swelling rock - a case study		
4	10:05-10:30	Hehua Zhu	National basic research program of China: fundamental theory for the performance evolution and sensing-control of urban metro structures - an overview		
10:30–10:50		Coffee Break			
session II 10:50–12:05					
5	10:50-11:15	Robert Galler	Complex underground structures - From data acquisition to 3D numerical simulation	Hehua Zhu	
6	11:15-11:40	Hongwei Huang	Moving integration detection vehicle for tunnel safety		
7	11:40-12:05	Enrico Soranzo	Experimental and Numerical Investigation of the Face Stability of Shallow Tunnels in Unsaturated Soil		
12:05–13:30		Lunch ( Zonghe Building )			
session III 13:30–15:10					
8	13:30-13:55	Xiaoying Zhuang	The stability analysis for a highly fractured slope in Jinning phosphate mine using the numerical manifold method	Bernhard Pichler	
9	13:55-14:20	Angelika überwimmer	A research prospect: Rockburst - looking into the microscale		
10	14:20-14:45	Dongmei Zhang	Predicting leakage-induced settlement of shield tunnels in saturated clay		
11	14:45-15:10	Yiming Zhang	Thermo-hygro-chemo-poro-mechanical analysis of spalling of concrete subjected to fire loading		
15:10–15:30		Coffee Break			
session IV 15:30–16:45					
12	15:30-15:55	Xiongyao Xie	The dynamic properties of tunnel-soil coupled system and its application in SHM	Helmut F. Schweiger	
13	15:55-16:20	Bernhard Pichler	Micromechanics-based exploitation of 3D displacement measurements: assessment of safety and ground-shell contact forces in NATM tunnelling		
14	16:20-16:45	Yong Yuan	Computational underground engineering		
16:45–17:45		Free Talk			
18:00–20:00		Banquet ( Tongji Guest House )			
<b>30th</b> 9:00–12:00					
9:00–12:00		Laboratory Visiting ( Multiple Shake Tables Testing System )			
12:00–13:30		Lunch			