ISSMGE TC 202, 2nd Japan-China Mini Workshop on High Speed Railway Geotechnics

August 27-30, 2017



Main conference room, Faculty House Trillium, Hokkaido University, Sapporo, Japan

PROGRAM















COMMITTEES

Sponsored by: ISSMGE TC 202

Chair : Prof. Tatsuya Ishikawa, Hokkaido University, Japan

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Prof. Jianqun Jiang, Zhejiang University

Prof. Yuanjie Xiao, Central South Unversity

Organized by:

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WS SCHEDULE

August 28, Monday, (25min for presentation, 5min for discussion, except Keynote Session)

9:30-9:40 Prof. Prof. Tatsuya Ishikawa Zhang Prof. Norihiro Izumi Keynote Session 10:40-11:00 Session 1: Laboratory Element Tests and Numerical modelling Investigating Strength and Deformation Characteristics of Heavy-Haul Railway Embankment Materials Using Large-Scale Undrained Cyclic Triaxial Tests 11:30-12:00 12:00-12:30 Prof. Takashi Okayasu University Prof. Sailway Ballast Stones 12:30 Lunch at Restaurant "ELM" of Faculty House Trillium Session 2: Model Tests and Field Measurement Prof. Xuecheng Bian Prof. Xuecheng Bian Prof. Yokohama National University Prof. Kimitoshi Hayano Prof. Jianqun Jiang University Tracks with Countermeasures against Rail Buckling Impact of inhomogeneous roadbed settlement on track vibrations 15:00-15:30 The effect of temperature on the sepage transport of suspended particles	Time	Chairs	Presenters	Affiliations	sion, except Keynote Session) Topics				
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10:40-11:00 Coffee Break, Group photo Session 1: Laboratory Element Tests and Numerical modelling Investigating Strength and Deformation Characteristics of Heavy-Haul Railway Embankment Materials Using Large-Scale Undrained Cyclic Triaxial Tests	0.40 10.40				Risk Assessment				
10:40-11:00 Coffee Break, Group photo	9:40-10:40	_	_		in Underground Engineering				
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11:30-12:00 Okayasu Okayasu Prof. Takashi Okayasu 12:30 Lunch at Restaurant "ELM" of Faculty House Trillium Session 2: Model Tests and Field Measurement Prof. Xuecheng Bian 13:30-14:00 14:00-14:30 Dr. Yoshitsugu Momoya 14:30-15:00 Prof. Jianqun Jiang Prof. Zhejiang University Prof. Zhejiang University Takashi Okayasu Dr. Yoshitsugu Momoya Prof. Zhejiang University Prof. Zhejiang University Takashi Okayasu Dr. Yoshitsugu Momoya Prof. Jianqun Jiang Prof. Jianqun Jiang Prof. Jiangun Jiaotong University The effect of temperature on the seepage transport of suspended particles	11:00-11:30	Takashi	Yuanjie		Deformation Characteristics of Heavy-Haul Railway Embankment Materials Using Large-Scale Undrained Cyclic				
12:30 Lunch at Restaurant "ELM" of Faculty House Trillium Session 2: Model Tests and Field Measurement Prof. Xuecheng Bian Prof. Kimitoshi Hayano Dr. Yoshitsugu Momoya 14:30-15:00 15:00-15:30 Takashi Okayasu University Railway Ballast Stones Cyclic Loading Behavior for Railway Ballast Stones Full-scale model testings on ballasted and ballastless track settlement under train traffic loading Lateral Resistance Characteristics of Ballasted Tracks with Countermeasures against Rail Buckling University Impact of inhomogeneous roadbed settlement on track vibrations The effect of temperature on the seepage transport of suspended particles	11:30-12:00		Chenggang	" " "					
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14:30-15:00 Momoya Prof. Jianqun Jiang University Impact of inhomogeneous roadbed settlement on track vibrations Prof. Bing Bai University The effect of temperature on the seepage transport of suspended particles	14:00-14:30		Kimitoshi		Characteristics of Ballasted Tracks with Countermeasures				
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Session 3: Improvement and Maintenance							
15:45-16:15	Prof. Kimitoshi Hayano	Prof. Jiankun Liu	Beijing Jiaotong University	Mechanical Properties of Fiber Reinforced Soil			
16:15-16:45		Mr. Takahisa Nakamura	Railway Technical Research Institute	Study on Countermeasure against Track Settlement using Polymer for Ballasted Tracks with a High-mixture Ratio of Fine Particles			
16:45-17:15		Prof. Baoguo Liu	Beijing Jiaotong University	Geotechnical Problems in Crossing Tunneling			
17:15-17:45		Prof. Tatsuya Ishikawa	Hokkaido University	Geotechnical Impacts of Ballast Fouling on Track Design and Maintenance in Japan			
17:45-17:55	Closing Remarks, Prof. Jiankun Liu						

TOUR SCHEDULE

2017/08/26 (SAT): Travel day from China to Sapporo (stay at Sapporo)
2017/08/27 (SUN): Technical visit around Sapporo (stay at Sapporo)
2017/08/28 (MON): Workshop at Hokkaido Univ. (stay at Sapporo)
2017/08/29 (TUE): Technical visit to RTRI (stay at Tokyo)
2017/08/30 (WED): Tokyo Technical tour (stay at Tokyo)

2017/08/31 (THU): Travel day from Tokyo to China