

PROGRAM, TRANSOILCOLD2013. Location: Qinghai Hotel

Date	Chairs	Presenter	Affiliation	Topics	Timetable
Oct.10	Opening Ceremony, TRANSOILCOLD2013, Shahunians Lecture Tutumluer Erol.(English), FANG Jianhong(Chinese), LIU Jiankun (Russian) Multifunctional Hall, 2 nd Floor	President of DOT, Qinghai Province Director CARRI, Prof. MA, Academician LAI FANG Jianhong	DOT, QRIT Academy Sinica	Addresses to TRANSOILCOLD2013	8:30-9:00
		Prof. Ashpiz	Moscow State University of Railway Transportation, department of Track and Track facilities	Experience in design and construction of railway roadbed located in area of permafrost soils in Russia---In memory of prof. Shahunians	9:00-9:30
		Prof. MA Wei	Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences	Research and Challenge of Permafrost Engineering in China	9:30-10:00
		Prof. A. Isakov	Siberian State University of Railway Transportation, Novosibirsk	Dangerous deformations of subgrade and methods of their calculation	10:00- 10:30
Photography, Tea Break 10:30am---10:50am					
Plenary 1, 10: 50 am, Multifunctional Hall, 2nd Floor					
Oct.10	Plenary 1 Prof. Jie Han, Prof Ashpiz Location:	Prof. Lai Yuanming	Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences	Theories and Analysis Methods of Thermodynamic Stability of Embankment Engineering in Cold Regions	10:50-11:20
		Prof. Erol Tutumluer	University of Illinois at Urbana-Champaign	Characterizing Mechanical Behavior of Coarse Aggregates Under Repeated Traffic Loading	11:20-11:50
		Prof. Zhaohui Yang	University of Alaska, Anchorage	Application of p-y approach in analyzing pile foundations in frozen ground overlying	11:50-12:20

				liquefiable soils	
Lunch Time 12: 20-13:50					
Plenary 2, 13:50 Multifunctional Hall, 2nd Floor					
Oct.10	Plenary 2 Prof. WU Qingbai Prof. Yang Zhaohui,	Prof. Jie Han	University of Kansas, USA	Use of geosynthetics for performance enhanced earth structures in cold region	13:50-14:10
		Prof. Jianhong Fang	Qinghai Research Institute of Transportation (QRIT)	Construction of express highway in Qinghai	14:10-14:30
		Ashpiz E.S. Mikhalkin I.K., Simakov O.B., Zagitov E.D.	MIT, department of Track and Track facilities, NPTS “Infotrans”	Monitoring of railway roadbed in permafrost soils with the use of mobile diagnostic equipment	14:30-14:50
		Prof. Kondratiev	Zabaikal State University, Chita, Russia	Subgrade distresses in permafrost region and mitigation	14:50-15:10
Plenary 3 15: 20 Multifunctional Hall, 2nd Floor					
Oct.10	Plenary 3 Prof. Issakov A Prof NIU Fujun	Prof. A. Brushkov	Moscow State University	Frozen saline soils and their properties	15:20-15:40
		Prof. Jiankun LIU	Beijing Jiaotong University	Frost Problems of HSR in Cold Region	15:40-15:50
		Prof. Jong-Sub Lee	Korea University, Republic of Korea	Freezing and thawing effects of sand-silt mixtures on elastic waves	15:50-16:10
		Prof. Lianjun WANG	Dean of Road and Railway Engineering Dept., Beijing Jiaotong University	Testing and Assessment of Subgrade Working Conditions on Heavy Haul Railway	16:10-16:30
		Senior Eng. , Mr. Zhengping LIU	1 st Railway Design and Survey Institute, Xi’ An	Analysis on the Long-term Effect of Ground Temperature and Subgrade Settlement for the Qinghai-Tibet Railway	16:30-50

Tea Break 16: 50——17: 00

Session 1, Soil Freezing in Transportation Engineering 17:00, Multifunctional Hall, 2nd Floor

Date	Chairs	Presenter	Affiliations	Topics	Timetable
Oct.10	Prof. Jong-Sub Lee Prof. Jilin QI	Prof. Leung CF	National University of Singapore	Proposed study on foundation of jack-up rig in arctic soils	17:00-17:15
		Prof. Zurun Yue	Shijiazhuang Tiedao University	Frost heave controlling of fine round gravel soil fillings in deep seasonal frozen regions	17:15-17:30
		Dr. VasilievG	The B. E. Vedeneev VNIIG Inc., Russia	Ice and cryogel-soil composites in water retaining elements in embankment dams in cold regions	17:30-17:45
		Dr. Tianliang WANG	Shijiazhuang Tiedao University	Influence of repeated freeze-thaw on dynamic modulus and damping ratio properties of silty sand	17:45-18:00
		Dr. Cherkas	Moscow State University of Railway Transportation	Composite Technology of earthworks construction on taliks	18:00-18:15
		Mr. Dan CHANG	Beijing Jiaotong University	Review of the influence of freeze-thaw cycles on the physical and mechanical properties of soil	18:15-18:30

Session 2 Diagnosis and Mitigation of Soil Structure Distress in Cold Regions 17:00,

Oct. 10	Prof. Kudriavtcev Prof. WANG Lianjun	Prof. Ashpiz,	Moscow State University of Railway Transportation	Evaluation of embankment foundation creep in conditions of deep bedding of roof in permafrost	17:00-17:15
		Mr. Vlasov	FundamentStroyArkos, Russia	New prospects of residential and office building construction with carbon dioxide thermal stabilization system	17:15-17:30
		Prof. Dashjamts	Mogolian University of Science and Technology	Geotechnical problems of construction on permafrost in Mongolia	17:30-17:45
		Dr. Petriaev	S.Petersburg State Transport University, Russia	Road beds bearing strength in the period of thawing and methods its enhancement	17:45-18:00
		Mrs Anhua XU	QRIT	To be confirmed	18:00-18:15

		M. Shirobokov	Research and Survey Institute Geotech, Russia	Integrated geophysical survey on railroad in permafrost area and Vibration diagnostics of weak base embankments	18:15-18:30
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Session 3, Thermo-Mechanical Modeling of Subgrade in Cold Regions 8:15am, Multifunctional Hall, 2nd Floor

Date	Chairs	Presenter	Affiliations	Topics	Timetable
Oct. 11	Prof. Leung CF, Prof. YUE Zurun Location:	Prof. Kudriavtcev	Far Eastern State Transport University, Russia	Predictive numerical modeling of a permafrost thermal regime in the subgrade support of a railroad section in Russia	8:15-8:30
		Dr. Xi CHEN	Beijing Jiaotong University	A pseudo-coupled numerical approach for stability analysis of frozen soil slopes based on finite element limit analysis method	8:30-8:45
		Dr. Yi Peng	Xiamen University	Response and sensitivity analysis of frozen Soil – Pile interaction systems	8:45-9:00
		Mr. Tao WANG	China University of Mining and Technology	Neumann stochastic finite element method for calculating temperature field of frozen soil based on random field theory	9:00-9:15
		Mr. Pengcheng WANG	Beijing Jiaotong University	The biaxial compression mechanical properties of crushed rock	9:15-9:30
		Dr. Yahu TIAN	Beijing Jiaotong University	Research on the Adaptability of Large Width Subgrade Structure in Permafrost Region	9:30-9: 45

Tea Break 9:45----9:55

Session 4 Experimental Studies in Transportation Soil in Cold Regions 9:40am

Date	Chairs	Presenter	Affiliations	Topics	Timetable
	Prof. Brushkov A Location: Prof. Qihao YU	Dr. Xu LI	Beijing Jiaotong University	Constraint effect of boundary in One Dimensional Frost Heave Test and it's Volume Correction	8:15-8:30
		Prof. Xu WANG	Lanzhou Jiaotong University	Experimental research on regular patterns of water migration and properties of ice films between different mediums in freezing silty clay	8:30-8:45
		Ms Xing HUANG	State Key Laboratory of Frozen Soil Engineering, Cold and Arid Regions Environmental Engineering Research Institute, Academy Sinica	The experimental study on the relationship between acoustic parameters and physical mechanical properties of frozen silty clay	8:45-9:00
		Mr Feng MING	State Key Laboratory of Frozen Soil Engineering, Cold and Arid Regions Environmental Engineering Research Institute, Chinese Academy of Sciences	Experimental Study on Moisture Migration of Remoulded Clay under Different Overburden pressures and Temperature Gradient	9:00-9:15
		Mr. Yinghui CUI	Beijing Jiaotong University	Research of the permafrost dynamic load direct shear apparatus	9:15-9:30
		Ms Ziyu WANG	Harbin Institute of Technology	Field monitoring of railroad embankment vibration responses in seasonally-frozen regions	9:30-9:45

Tea Breack 9:45-9:55

Session 5 Dynamics of Subgrade in Cold Regions 9:55, Multifunctional Hall, 2nd Floor

Date	Chairs	Presenter	Affiliations	Topics	Timetable
Oct. 11	Prof. SU Qian Prof. Wang Xu	Dr. Feng ZHANG	Harbin Institute of Technology	Numerical simulation of dynamic response of subgrade under moving heavy truck in cold region	9:55-10:10
		Dr. Qionglin LI	Harbin Institute of Technology	Stiffness and damping ratio evolution of frozen clays under long-term low-level repeated cyclic loading: Experimental evidence and evolution model	10:10-10:25

		Dr. Jingyu LIU	Beijing Jiaotong University	Seismic response of an railway embankment on slope in permafrost	10:25-10:40
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Session 6 Artificial Ground Freezing, 10:10, Multifunctional Hall, 2nd Floor

Date	Chairs	Presenter	Affiliations	Topics	Timetable
Oct. 11	Dr Vasiliev Dr. LI DongQing	Sopko JR, Joseph Anthony	Moretrench American Corporation	Ground Freezing for Tunnels in an Urban Environment	10:40-10:55
		Prof, Gökhan Baykal	Bogazici University Department of Civil Engineering	Compaction of Pozzolanic Material Using Snow to Solve Permafrost Thawing Problems in Highway and Railway Embankment Construction	10:55-11:10
		Dr. Xiaomin ZHOU	Beijing University of Science and Technology	Revision of the thickness design of cylindrical frozen wall of plain strain mode considering freeze heave	11:10-11:25

Session 7 Transportation Geotechnics 10:25

Date	Chairs	Presenter	Affiliations	Topics	Timetable
Oct. 11	Prof. Xianzhang Ling Dr Zhi Wen	Dr. Il Wha Lee	Korea Railroad Research Institute	Innovative restoration method for concrete track settlement	9:55-10:10
		Prof. Qian SU	Southwest Jiaotong University	Centrifugal model tests on deformation and failure modes of composite foundation with plain concrete piles under embankment	10:10-10:25
		Ms. Muge Elif Orakoglu	Firat University, Department of Construct Education, Elazig, Turkey	Optimization of Constitutive Parameters of Soils Using K-Means Clustering Analysis	10:25-10:40
		Dr. Yu ZHANG	Lanzhou Jiaotong University	Application of Dynamic Compaction and Rolling Compaction in the subgrade improvement of Qarhan-Golmud Highway	10:40-10:55
		Dr. Pavel Ivanov	LLC «Sevzaptransproekt-SPb »	Experience of designing and construction of the railway on the Yamal Peninsula and a new railway Kuragino-Kyzyl	10:55-11:10

Closing ceremony, E Ashpiz, Zhaohui YANG, 11:30am, Multifunctional Hall, 2nd Floor
Summary of papers and presentations, Award for best young presenter: Vote for Transoilcold2015 host institution, Closing
Oct 11, Lunch time 12:00—13:00
Oct 11, Tour A: 13:30-19:00 Visit Qinghai Lake
Oct 12, Tour A: 8:00am-12:00, visit Ta-Er-Si
Tour B (for registered participants, with permission to Tibet): Oct 13, Train to Lhasa at 14 :00, duration in train 24 hours, arrive at Lhasa aprox.15:00 on 13 Sep.
Oct 13, Traveling and sight-seeing in the Train
Oct 14, Sight-seeing in Lhasa
Oct 15, Departure from Lhasa