

The 3rd International Symposium on Transportation Soil Engineering in Cold Regions (TRANSOILCOLD2017)

July 6-7, 2017

Guide, Qinghai, China

<http://transoilcold2017.applinzi.com/index.php>

<http://transoilcold.qhjt.gov.cn/>

Cold regions cover 50% of the world's total land area. All transportation infrastructures in cold regions face great technical challenges due to ground freeze-thaw or permafrost degradation. New transportation infrastructure on embankments, such as high-speed railways on slab tracks or highways, requires high geometry standards. In China, the Qinghai-Tibet Railway has been in operation for ten years but now faces issues due to permafrost degradation. Challenging technical problems will likely arise as more transportation infrastructure, such as high speed railways (HSR) and highways, is being planned and/or constructed in Northwest and Northeastern China, Russia as well as the North America.

The 1st International Symposium on Transportation Soil Engineering in Cold Regions (<http://subgrade.sinaapp.com/index.php>) was held in 2013 and offered a unique platform to foster knowledge sharing and experience exchanging for the prevention of problems related to cold region subgrade soils and foundation impacting transportation facilities such as railways and highways.

The 2nd International Symposium on Transportation Soil Engineering in Cold Regions (<http://transoilcold2015.stu.ru/index.htm>) was subsequently held in 2015 in Siberian State University of Railway Engineering, over 200 researchers from 12 countries shared their new achievements in cold regions transportation soil engineering and had a fantastic time in a cruiser on the Obe river.

We are pleased to invite you to Guide, Qinghai, China, where the 3rd International Symposium on Transportation Soil Engineering in Cold Regions (TRANSOILCOLD2017) will be held on July 6-7, 2017. The TRANSOILCOLD2017 aims to provide an opportunity for researchers and practitioners in the transportation community to share the latest research advances and experiences in the construction of transportation infrastructure in cold regions.

We welcome you to Guide, China and look forward to your active participation in the 3rd TranSoilCold Symposium.

Organized by:

Qinghai Research Institute of Transportation (QRIT), Department of Transportation (DOT) of the Qinghai province, China

Beijing Jiaotong University, China

St. Peterburg State University of Railway Engineering, Russia

State Key Laboratory of Frozen Soil Engineering, CAS, Lanzhou, China

University of Illinois at Urbana-Champaign (UIUC), USA

Moscow State University of Railway Engineering, Moscow, Russia

University of Kansas, USA

Siberian State University of Railway Engineering, Novosibirsk, Russia

University of Alaska, Anchorage, USA
Far Eastern State Transport University, Russia
Korea University, Republic of Korea
China Mining University, Xuzhou, China
Harbin Institute of Technology, Harbin, China
Institute of Geocology, Academy of Russia
Journal of Sciences in Cold and Arid Regions, China
Journal of Soil Mechanics and Foundation Engineering, Russia
(To be continued)

Main Topics including but not limited to the cold regions aspects of:

- Mechanical behavior of soils and aggregates
- Non-destructive testing of subgrade and aggregate
- Coupled modeling of mechanical and physical processes
- Frost heave and thaw weakening of subgrade, ballasted subgrade and base of slab track
- Field experiments in roadway embankments
- Long-term monitoring of subgrade functionality
- Dynamic/seismic behavior of transportation infrastructure
- Soil-structure interaction related to transportation infrastructure
- Other topics related to transportation soil engineering in cold regions

Honorary Chairs:

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Dr. Alexey L. Manakov, President of Siberian State University of Railway Transportation, Russia
Prof. V. I. Osipov, Academician of Russian Academy of Science
Prof. Yuanming Lai, Academician, Chinese Academy of Sciences
Prof. Wei Ma, Director of Cold and Arid Regions Environmental and Engineering Research Institute, CAS
Prof. Yangsheng Ye, Vice Director of China Academy of Railway
Prof. Qingbai Wu, Director of State Key Lab of frozen soil engineering, Chinese Academy of Sciences

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Conference Language: English

Important dates:

August 31, 2016, Submission of Abstracts to zhangyu@mail.lzjtu.cn

September 30, 2016, Notification of the acceptance of submitted abstracts

October 30, 2016, Submission of Full paper

November 30, 2016, Evaluation and notification of the acceptance of submitted papers

December 30, 2017, Deadline for submission of final revised paper to zhangyu@mail.lzjtu.cn

Publication of Conference Papers:

All papers accepted by this symposium will be published in the Journal of Sciences in Cold and Arid Regions, Academy of China (<http://www.scar.ac.cn/hhkxen/ch/index.aspx>), or the Journal of Qinghai Science and Technology in Transportation. Manuscripts will be peer-reviewed.

Conference Date and Location

Arrival and Registration: July 5, 2017

Conference: July 6-7, 2017.

Venue: Taohuayuan Hotel, Gui-De, Qinghai, China

Register fee, pay on site:

RMB 2,500/person, or US \$350 /person

Field Trip: A trip to local Gui-De National Geological Park will be organized and will included to the register fee.

Pre-Registration Form

(send to jkliu@bjtu.edu.cn, or the secretary at zhangyu@mail.lzjtu.cn)

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Name, Initial		Gender		Title, Position	
Affiliation					
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E-mail					
Paper Title					
Preferred Presentation Form		Oral		Poster	None
Accom.. # of Person					
Room request					
Planned Arrival Time					
Other requests					