



BCRRA2017 WORKSHOP

COLD REGIONS ENGINEERING: CHALLENGES AND OPPORTUNITIES

The “cold regions” of the world include large areas with dense population and infrastructure. In the northern hemisphere, all of Canada, Alaska, Finland, Norway, Sweden, vast portion of China and Russia, and all the northern tier of the United States share common cold regions problems. This Workshop aims to provide a broader look at the overall problems faced by consultants, contractors, and infrastructure owners when it comes to planning and building of transport infrastructure in cold regions. We are planning presentations combining different approaches and practices. This WS represent opportunities to exchange knowledge from different countries, to expand the networking and find possible partners for future projects.

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TALKS AND SPEAKERS

CURRENT PRACTICE AND RESEARCH ON FROST PROTECTION FOR PAVEMENTS IN QUEBEC (CANADA)

Guy Doré, Professor of Civil Engineering, Université Laval, Canada

USE OF AASHTO ME FOR PAVEMENT DESIGN IN COLD REGIONS

Erol Tutumluer, Professor of Civil Engineering, University of Illinois,
USA

BEARING CAPACITY OF RAILWAY SUBGRADE IN THE PERIOD OF THAWING AND METHODS OF ITS ENHANCEMENT (RUSSIA)

Dr. Andrei Petriaev, Senior researcher, Emperor Alexander I St.
Petersburg State Transport University, Russia

CURRENT DEVELOPMENT OF HIGHWAY ENGINEERING IN CHINA'S COLD REGIONS

Prof. Aimin Sha & Dr. Zhuangzhuang Liu, School of Highway,
Chang'an University, Xi'an, China

CHALLENGES FOR ROADS AND RAILWAYS IN THE NORTH OF SWEDEN

Johan Ullberg, Road Technology/R&D engineer, Swedish Transport
Administration, Luleå, Sweden

SUPER HEAVY TRUCKS AND AUTONOMOUS VEHICLES ARE CHALLENGING THE FINNISH ROAD INFRASTRUCTURE

Pauli Kolisoja, Professor of Civil Engineering, Tampere University of
Technology, Tampere, Finland

REQUIREMENTS FOR FROST PROTECTION OF NORWEGIAN ROADS

Dr. Jostein Aksnes, Norwegian Public Road Administration,
Trondheim, Norway

SCHEDULE

27 June 2017

14.00-18.00

(16:00-16:30 Coffee
break)

Hotel "Divani Caravel"

Athens, Greece

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