



International Conference
ARCTIC CITIES PLANNING AND DESIGN

Date: **December 16, 2020**

Starting time: **Japan: 17:00, Russia: 11:00, Norway: 09:00**

Venue: Online

Hosts: Murmansk State Technical University (Russia)
UiT The Arctic University of Norway (Norway)
Hokkaido University (Japan)

The conference is held within the scope of University of Arctic Thematic Network development "ARCTIC URBAN PLANNING AND DESIGN (ARUP)".

PROGRAMME

- 11:00-11:20 *Opening of the conference*
Welcome words by the conference hosts and officials
- 11:20-11:30 Opening words by Professor Bjørn R. Sørensen (UiT) introducing ARUP Thematic Network.
- 11:30-12:45 **Plenary session** "*City-planning and Architecture Tools to Create A New Level Urban Environment*"
Speakers (10 min each):
Iurii Perelygin - Chief Engineer at "Lengiprogor" Institute, Council Member of National Urban Planners' Guild (Saint-Petersburg).
Presentation title: *Urbanization Aspects in the Russian Arctic.*
Taro Mori - Associate Professor, Faculty of Engineering, Hokkaido University.
Presentation title: *Bigdata analysis on an influence of indoor and outdoor climate on human health.*
Norihiro Watanabe - Assistant Professor, Faculty of Engineering, Hokkaido University.
Presentation title: *Digital Urban Design Approach in Winter Cities.*
Tatiana Batova – Senior Lecturer, Murmansk Arctic State University, Member of Saint-Petersburg Designer Association.
Presentation title: *Design in the Arctic.*
Serik Tokbolat, Lecturer at the School of Architecture, Design and Built Environment, Nottingham Trent University, UK.
Presentation title: *Building Envelope and Energy Performance of Buildings in Kazakhstan*
Presentation of the Kolarctic project *Green Arctic Building* by UiT The Arctic University of Norway.



12:45-13:00	Break
13:00-15:00	<p>Panel discussion</p> <p>Moderators: Tatiana Ashutova, Iurii Perelygin</p> <p><u>Experts:</u></p> <p>Torill Nyseth, Prof., department of social sciences, UiT The Arctic University of Norway</p> <p>Alexander Kuzmenkov, Prof., Petrozavodsk State University</p> <p>Tsuyoshi Setoguchi, Dean of Faculty, School of engineering, Hokkaido University</p> <p>David Chapman, PhD and associate professor at Luleå University of Technology</p> <p>Svetlana Buryachenko, Prof., department of construction, heat power engineering, Murmansk State Technical University</p> <p>Vladimir Malyshev, deputy director for research at Institute of Arctic Technologies, Prof. at dep. of construction, energy and transport., Murmansk State Technical University</p>
13:00-13:55	<p><u>Main themes to be discussed:</u></p> <ol style="list-style-type: none">1. Urban planning as a tool for solving the challenges of Arctic cities<ul style="list-style-type: none">• City-planning and Architecture Tools• Comfortable urban environment in the north• Urban planning in the Arctic: Different from mainstream urban planning?• In and out migration/population fluctuations• Transport solutions• Area renovation and ergonomics
13:55-14:05	Break
14:05-15:00	<ol style="list-style-type: none">2. Design of Arctic cities<ul style="list-style-type: none">• Urban design projects applicable in the North• Designing winter cities – what are the challenges?• Renovation of existing apartment buildings in the North• Effective solutions for architecture projects applicable in Northern cities• Energy efficient buildings in the North
15:00-15:10	Concluding Remarks