



中俄工科大学联盟

Ассоциация технических университетов России и Китая
Association of Sino-Russian Technical Universities



ASRTU Arctic Summer School 2021

June, 25-29

Arkhangelsk, Russia

Dear Partners,

The Northern Arctic Federal University named after M.V. Lomonosov is pleased to announce an **online ASRTU Arctic Summer School-2021**

The School Programme includes 5 working days consisting of key-note lectures, group work, interactive sessions, virtual tours and cultural programme.

Introductory part gives insights into Russian Arctic Context providing general knowledge about:

- *Russian Arctic Strategy*
- *Northern Territories Governance*
- *Northern Sea Route: State and Perspectives*
- *NArFU Session: Presentation of NArFU as a leading Russian Federal University in the Arctic Zone*

Also as a cross cutting issue we would suggest Communication in the Russian-Chinese Cooperation in Education and Research that could be helpful and contribute to enhancing Communication Bridge between different actors across the borders.

DATES: 25 June – 29 June, 2021

PARTICIPATION: free of charge

WORKING LANGUAGE OF THE SCHOOL: English

ORGANIZING COMMITTEE:

- **Organizer:** Association of Sino-Russian Technical Universities
- **Co-organizers:** Northern Arctic Federal University, Harbin Institute of Technology, Bauman Moscow State Technical University



Topics to be addressed in the School Agenda (based on NArFU expertise)

Civil Engineering in Cold Climate
Environmental Civil/Geotechnical Engineering in the Cold Regions
Planning, design and post-evaluation of Arctic and Subarctic architectural environment
Development of new multifunctional building materials suitable for extremely cold weather conditions
Development of technological solutions for the preservation and sustainable management of the Arctic region cultural heritage objects
Ice Architecture (By Chinese lecturers)
Environment of the Arctic
Environmental Challenges in the Arctic
How visual environment influences human
Oil and Gas Resources Development in the Arctic
Perspectives of Oil and Gas Resources Development in the Arctic (students group work, case contest)
Challenges Associated with Arctic Oil and Gas Development
Prospects of Using Different Energy Resources in the High North
Laboratory Studies of Rock Samples and Hydrocarbons in the Arctic Oil and Gas Innovative Technological Centre
T-Navigator

Site visits

Activity	Venue
NArFU case: Arctic expeditions "Arctic Floating University"	Virtual excursion to the Ship "Professor Molchanov"
Virtual excursion to the National Park "Russian Arctic" visit centre	Northern Shipping Company Arkhangelsk
Virtual excursion to the White Sea shore	Severodvinsk city

Cultural programme

Activity	Venue
Online tour around an open-air museum of the wooden architecture "Malye Korely"	Malye Korely village in Arkhangelsk
Online tour around Arkhangelsk	Arkhangelsk city centre



PARTICIPANTS:

ASRTU undergraduates, postgraduates and doctoral students of related majors

Until April 15, 2021 you must send filled in Application form, passport and diploma copy to the Organizing committee, e-mail address: asrtu@hit.edu.cn

MODE OF TEACHING: The ASRTU Online School adopts **Zoom video conference** software for online teaching and interaction. After registration, participants receive conference room account number and password to log on courses and participate in activities.

CONTACT INFORMATION:

Contact person at the host institution (NArFU, Arkhangelsk, Russia):

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Share your passion for the Arctic!

