



**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)

<b>Civil Engineering in Cold Climate</b>
<b>Environmental Civil/Geotechnical Engineering in the Cold Regions</b>
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
<b>Ice Architecture (By Chinese lecturers)</b>
<b>Environment of the Arctic</b>
<b>Environmental Challenges in the Arctic</b>
How visual environment influences human
<b>Oil and Gas Resources Development in the Arctic</b>
Perspectives of Oil and Gas Resources Development in the Arctic (students group work, case contest)
<b>Challenges Associated with Arctic Oil and Gas Development</b>
<b>Prospects of Using Different Energy Resources in the High North</b>
Laboratory Studies of Rock Samples and Hydrocarbons in the Arctic Oil and Gas Innovative Technological Centre
<b>T-Navigator</b>

### 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](mailto: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):**

**Ms. Svetlana Pirogova,**  
**Head of International Communications Unit,**  
**Phone: +7 (921) 244 87 93, e-mail: [s.pirogova@narfu.ru](mailto:s.pirogova@narfu.ru)**

**Contact person at ASTRU:**

**MS. Gao Yang**  
**Secretary of ASRTU Permanent Secretariat (China)**  
**Phone: +86-451-86403916, e-mail: [asrtu@hit.edu.cn](mailto:asrtu@hit.edu.cn)**

**Mr. Victor Timofeev**  
**Director of ASRTU Permanent Secretariat (Russia)**  
**Phone: +7-499 263 62 12, e-mail: [timofeev@bmstu.ru](mailto:timofeev@bmstu.ru)**

***Share your passion for the Arctic!***

