



NORTHERN
ARCTIC
FEDERAL
UNIVERSITY

International School Arctic Engineering

May 2022



INTERNATIONAL SCHOOL «ARCTIC ENGINEERING»

Participants: BA/MA students

Workload: 3 ECTS

Language of instruction: English

Mode of study: Online (ZOOM platform, Moscow time)

Financing: no participation fee is charged

Educating a new generation of Arctic researchers is an on-going need in the Arctic and sub-Arctic countries. We identify our school as the perfect opportunity to blend and develop the same education and research concepts for students and young researchers who participate in Arctic engineering processes - related courses and research project.

The international school «Arctic Engineering» designed to fully cover the need and completeness of engineering of new generation facing the unique challenges of energy source, materials science, construction technologies and combatting icing accretion on industrial applications in the Arctic region. Special problems created by the climatic, geological, and logistical conditions of the Arctic and sub-Arctic require knowledge and techniques rarely presented in conventional engineering courses. «Arctic Engineering» school presents professors from all around the World with their unique knowledge of offshore hydrocarbons field development, new aspects in ecology and changing in properties of materials and constructions.

Key issues to be addressed within the lecture modules:

- Perspectives of oil and gas field development in the Arctic
- Prospects of using different energy resources in the High North
- Special features of the using ecologically green material in the Arctic conditions
- Icing of constructions in the Arctic condition
- Aspects of using solid fuels in the Arctic

How to apply:

The application deadline is may 2022.
The website is under construction.

Organazing committee:

- *Ramil Guliev,*

Deputy for International Cooperation
NARFU Higher School of Energy, Oil and Gas
r.guliev@narfu.ru +7 (965) 793-44-86

- *Maria Frolova,*

Deputy for International Cooperation
NARFU Higher School of Engineering
m.aizenstadt@narfu.ru +7 (960)0102563

Any questions, please, do not hesitate to contact the organizers.

Looking forward to seeing you online in May 2022!

