

PERSONAL INFORMATION

**DMYTRO
KONOVALOV**

<https://www.ntnu.edu/employees/dmytro.konovalov>

08.11.1979

Male

Nationality: Ukraine

Email address: dmytro.konovalov@ntnu.no

Phone number: +47 458 312 99



Researcher with 20 years of experience. Research fields are sustainability energy, energy-efficient and energy-saving technologies for stationary and marine energy:

- Power engineering
- Technical Thermal Physics
- Modeling of cogeneration and trigeneration systems for stationary and marine energy
- Modelling and simulation of integrated cooling systems
- Heat pumps
- Refrigeration machines and plants
- Industrial Heat-and-Power Engineering
- Hydrogen technology

EDUCATION

Doctor of Engineering Science (equivalent to Dr.-Ing. Habil.) in Technical Thermal Physics and Industrial Heat-and-Power Engineering (2021). National Academy of Science of Ukraine, Ukraine, Kyiv. Institute of Engineering Thermophysics.

PhD in Ship power plants (2006). Admiral Makarov National University of Shipbuilding (NUOS), Ukraine, Mykolaiv. Mechanical Engineering Educational and Scientific Institute.

Master (M.Sc), Refrigeration Machines and Plants (2003). Admiral Makarov National University of Shipbuilding (NUOS), Ukraine, Kherson. Kherson Institute of Education and Science.

Bachelor, Energy (2001). Admiral Makarov National University of Shipbuilding (NUOS), Ukraine, Kherson. Kherson Institute of Education and Science.

CURRENT AND PREVIOUS POSITIONS

04.2024– now – **Postdoctoral researcher**

Faculty of Engineering / Department of Energy and Process Engineering, Norwegian University of Science and Technology (NTNU), Norway, Trondheim. Research group: Process and Power.

07.2023– 04.2024 – **Researcher**

Faculty of Engineering / Department of Energy and Process Engineering, Norwegian University of Science and Technology (NTNU), Norway, Trondheim. Research group: Process and Power.

07.2022– 07.2023 – **Visiting Professor**

Faculty of Engineering / Department of Energy and Process Engineering, Norwegian University of Science and Technology (NTNU), Norway, Trondheim

12.2016–07.2023 – **Head of the Heat Engineering Department, Professor**

Department of Heat Engineering / Kherson Institute of Education and Science, Admiral Makarov National University of Shipbuilding, Ukraine, Kherson

11.2014–12.2016 – **Dean of the Admissions Office**

Kherson Institute of Education and Science, Admiral Makarov National University of Shipbuilding, Ukraine, Kherson

09.2006–12.2014 – **Associate Professor**

Department of Heat Engineering / Kherson Institute of Education and Science, Admiral Makarov National University of Shipbuilding, Ukraine, Kherson

08.2003–09.2006 – **Professor assistant, Researcher**

Department of Marine Engineering and Energy / Department of Heat Engineering / Kherson Institute of Education and Science, Admiral Makarov National University of Shipbuilding, Ukraine, Kherson

PUBLICATIONS AND PATENTS

1. Publications statistics: **h-index** (per Mar. 2025) Scopus – **14**, Google Scholar – **15**
Scopus Author ID: 57209246625,
Scholar: https://scholar.google.com.ua/citations?hl=ru&user=15Ot7GQAAAAJ&view_op=list_works&sortby=pubdate
2. **150+** publications in journals, **35** – Scopus.
3. **16** patents of the invention
4. **Compendiums** for education courses at universities:
 - 4.1. Technical thermodynamics, 2021, Bachelor level, NUOS
 - 4.2. Refrigeration machines and units, 2017, Master level, NUOS
 - 4.3. Ship cryogenic systems, 2019, Master level, NUOS
 - 4.4. Distribution systems of energy and material carriers and the basis of their design, 2021, Master level, NUOS
 - 4.5. Heat engineering devices and measurements, 2021, Bachelor level, NUOS
 - 4.6. Sanitation and hygiene on ships, 2021, Master level, NUOS
 - 4.7. Ship boilers, 2019, Bachelor level, NUOS

HONOURS AND AWARDS

- | | |
|-------------------|--|
| <i>2018, 2019</i> | Diploma of the Ukraine Ministry of Education and Science. Ukraine Ministry of Education and Science, Ukraine, Kyiv |
| <i>2018</i> | The Expert Diploma of Zhejiang Province. Power engineering. Zhejiang Province Government, China, Zhejiang Province, Hangzhou |
| <i>2012–2014</i> | The Scholarship of the Ukrainian Government for Young Scientists. Ukraine Government, Ukraine, Kyiv |
| <i>2012</i> | The Laureate of the Ukrainian Parliament Prize of Ukraine to the most talented young scientists in the field of fundamental and applied research and development. Ukrainian Parliament, Ukraine, Kyiv |
| <i>2011</i> | The President of Ukraine Grant to the young scientists. State Fund for Fundamental Research, Ukraine, Kyiv |
| <i>2011–2013</i> | The best young scientist at the Admiral Makarov National University of Shipbuilding. Admiral Makarov National University of Shipbuilding, Ukraine, Mykolaiv |