

## TWENTIETH INTERNATIONAL CONFERENCE

# FLUXES AND STRUCTURES IN FLUIDS



**MURMANSK,**  
**October 26-28, 2020**

## ANNOUNCEMENT

Conference venue –  
“Murmansk Arctic State University”



## INVITATION TO PARTICIPATE

The conference program will include invited lectures, oral talks and poster presentations

## INFORMATION FOR PARTICIPANTS

Conference language: English.

Participants present electronic version of the:

- **Registration form** (see the conference website);
- **Presentation materials** prepared in MS Word, 12 pt, up to 3 pages framed by 16×24 cm. TITLE OF THE PRESENTATION, authors' names and addresses prepared as per sample given at school website. Abstracts are submitted electronically to [rumkate@rambler.ru](mailto:rumkate@rambler.ru).

A book of abstracts will be distributed at registration. Selected papers will be published in one of the journals indexed by Web of Science or SCOPUS.

The program will include invited (30 min) and oral talks (15 min), communications (3 min + poster at A0). Meeting rooms are equipped with boards, screens, video projectors.

## KEY DATES

Registration form and presentation materials  
**before August 15, 2020**

Author notification on acceptance  
**before August 30, 2020**

## REGISTRATION FEE

Regular participant fee is 2000 rub. For young scientists (before 35 years old) – 500 rub.

The fee can be paid in cash at the registration desk or by bank transfer order.

Requisites are available on request.

## ACCOMMODATION

Participants accommodate in hotels on their own booking ([trivago.ru](http://trivago.ru) or [booking.com](http://booking.com)).

## SCIENTIFIC PROGRAM

- Dynamic processes in the polar ocean and atmosphere;
- Climatic and synoptic effects in the high-latitude ocean;
- Waves, vortices, coherent structures, turbulence - the effect of phase transitions;
- The influence of dynamic structures in the ocean on hydrochemical, hydrobiological and ice fields;
- Analytical, numerical and laboratory modeling of processes in the ocean and atmosphere;
- Traditional and modern methods of measurement of natural systems;
- Technical and technological applications in the problems of ocean dynamics and the atmosphere.

## REGISTRATION

Registration of participants will be held at MASU during the conference, starting from **October 25, 2020**.

## INTERNATIONAL SCHOOL OF YOUNG SCIENTISTS

**“Actual problems of aerohydrromechanics  
in high latitude areas”**

October 29 – November 01, 2020

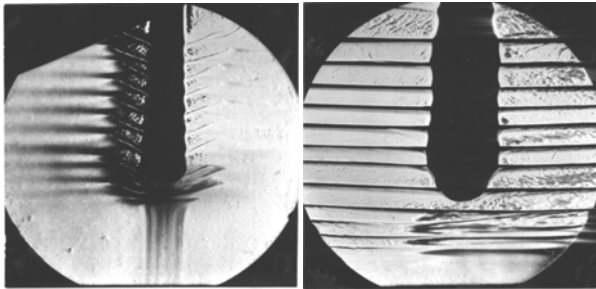
**Educational and Scientific Base of MASU  
“Tuloma”**

(Number of participants is limited).



## INTERNATIONAL PROGRAM COMMITTEE

S.I. Abarzhi (Australia), H.I. Andersson (Norway), V.G. Baydulov (Russia) – scientific secretary, Yu.D. Chashechkin (Russia) – co-chair, Y. Choi (Korea), V.E. Ermanyuk (Russia), Ph. Fraunie (France), Y. Fukumoto (Japan), G.G. Gogoberidze (Russia), A. Herczynski (USA), M.A. Knyazeva (Russia) – co-chair, V.B. Lobanov (Russia), A.A. Namgaladze (Russia), **J.-M. Redondo** (Spain) E.A. Rumyantseva (Russia), S.E. Yakush (Russia). A.G. Zatsetpin (Russia),



Freezing ice on a cylindrical refrigerator in a continuously stratified water solution of sodium chloride

## CONFERENCE HISTORY

This Conference follows the highly successful Meetings held in Sveltogorsk (1987), Kanev, Ukraine (1988), Novosibirsk (1989), Jurmala, Latvia (1990), Vladivostok (1991), St.-Petersburg (1992), Moscow (1993), St.-Petersburg (1995), Svetlogorsk (1996), Moscow (1997), St.-Petersburg (1999), Moscow (2001), St.-Petersburg (2003), Moscow (2005), St.-Petersburg (2007), Moscow (2009), Vladivostok (2011), St.-Petersburg (2013), Kaliningrad (2015), Vladivostok (2018).

## GENERAL INFORMATION

Murmansk Arctic State University (MASU) is the oldest and largest university in Russia in the region, and the only university in Russia located beyond the Arctic Circle. MASU includes 2 branches in the region, a college, 3 faculties and 2 institutes. The university has 15 departments, and more than 200 highly qualified lecturers who train specialists in various fields of the natural, humanities and social sciences, education and pedagogy, culture and art, economics and management, and the service sector. The university provides about half of the total number of trained highly qualified personnel in the Murmansk region who work in the system of higher, general and secondary vocational education in the region, as well as science.

University staff actively conducts diverse researches in various areas of the natural, technical, social and human sciences. Most of the work combining the methods and approaches of several sciences within the framework of one project is interdisciplinary. MASU cooperates with the largest Russian scientific and educational institutions. The geography of international cooperation covers the universities from 15 countries, most of which are located in the Barents Euro-Arctic region.

In April 2017, MASU became one of the regional supporting universities that are of key importance for the industrial and socio-economic development of the constituent entities of the Russian Federation, and the only such university in the Arctic.

## VENUE

Murmansk Arctic State University, 15 Kapitana Egorova Str., Murmansk, Russia

## THE CONFERENCE ORGANIZERS

- Ishlinsky Institute for Problems in Mechanics, RAS
- Murmansk Arctic State University



## THE CONFERENCE SPONSORS

- Russian Academy of Sciences
- The Russian Foundation for Basic Research

## CONTACTS

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Conference web-site:

<http://www.masu.edu.ru/science/events/liquids/>