

V International Seminar with involvement of young scientists (scientific school) (ISHM - V)

“Topical issues of heat and mass transfer at phase transitions and multiphase flows in modern chemical technology and energy equipment”

FIRST ANNOUNCEMENT

Dear colleagues!

We invite you to take part in the regular *5th International Seminar with elements of scientific school for young scientists* **“Topical issues of heat and mass transfer at phase transitions and multiphase flows in modern chemical technology and energy equipment” (ISHM-V)**.

International Seminar ISHM-V will be held in Novosibirsk at the Kutateladze Institute of Thermophysics SB RAS **16-17 November 2016**. At the seminar the invited topical reports and oral presentations on the key issues of heat and mass transfer at phase transitions and multiphase flows with application to the development and design of modern chemical technology apparatuses and energy equipment will be presented. Together with the invited speakers, the students, graduate students, young scientists, and engineers at the age of 35 years are also invited to attend the Seminar. Registration fee for participants is not provided.

To participate in the Seminar with an oral presentation all authors are required to submit the **1 page** abstracts in **English** on the e-mail ishm@itp.nsc.ru up to **22 September 2016**. Abstract guidelines and template can be found on the attached file. With theses should be sent to an expert conclusion on the possibility of publication (in electronic form), as well as for IT SB RAS permission to export abroad.

Conference website <http://www.itp.nsc.ru/conferences/ishm5/index.html> will not later September 20, 2016.

TOPICS

The scope of the Seminar covers the following areas:

- Multiscale transfer processes at multiphase flows
- Wave processes and heat and mass transfer at the liquid film flows
- Heat and mass transfer at distillation, including that of the structured packing
- Interface instability in multiphase flows
- Boiling and evaporation of single-component liquids and their mixtures. Heat and mass transfer enhancement methods
- Low-temperature thermophysics
- Contemporary techniques and methods of thermophysical and hydro-gas-dynamic experiment
- Ecological problems in power engineering and chemical technology

ORGANIZATIONS

- Kutateladze Institute of Thermophysics SB RAS (Novosibirsk, Russia)
- Tianjin University (TJU, Tianjin, China)
- Russian Science Foundation (Moscow, Russia)

Chairs

Academician of RAS Nakoryakov V.E. (IT SB RAS, Novosibirsk, Russia)
Corr. Member of RAS Pavlenko A.N. (IT SB RAS, Novosibirsk, Russia)

Co-Chairs

Prof. Kuznetsov V.V. (IT SB RAS, Novosibirsk, Russia)
Prof. Li Xingang (Tianjin University, Tianjin, China)

Scientific Secretary

Ph.D Surtaev A.S. (IT SB RAS, Novosibirsk, Russia)

Secretary

Gozhenko I.V. (IT SB RAS, Novosibirsk, Russia)

CONFERENCE VENUE

Kutateladze Institute of Thermophysics SB RAS, 630090, Russia, Novosibirsk, Lavrentiev ave. 1.

OFFICIAL LANGUAGES

Working languages of the Seminar: **English**. Abstracts and presentation of the reports should be prepared in **English**.

SCHEDULE

First announcement	up to 9 September 2016
Abstracts submission	up to 22 September 2016
Second announcement with preliminary program of the seminar	up to 1 November 2016
Seminar dates	16-17 November 2016

CONTACTS

630090, Novosibirsk, acad. Lavrentiev ave. 1
Kutateladze Institute of Thermophysics SB RAS
Scientific Secretary – Ph.D Surtaev Anton Sergeevich
mob. +7-913-755-97-69
Secretary – Gozhenko Irina Vasilievna
tel. (383) 330-87-00
e-mail ishm@itp.nsc.ru
web <http://www.itp.nsc.ru/conferences/ishm5/index.html>