

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

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### “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 *4th 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-IV).

International Seminar ISHM-IV will be held in Novosibirsk at the Kutateladze Institute of Thermophysics SB RAS **18-19 April 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](mailto:ishm@itp.nsc.ru) up to **5 March 2016**. Abstract guidelines and template can be found on the attached file. With these 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/ishm4/index.html> will not later March 5, 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 24 February 2016
Abstracts submission	<b><u>up to 4 March 2016</u></b>
Second announcement with preliminary program of the seminar	up to 20 March 2016
Seminar dates	18-19 April 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](mailto:ishm@itp.nsc.ru)  
web <http://www.itp.nsc.ru/conferences/ishm4/index.html>