International Symposium and School for Young Scientists

Interfacial Phenomena and Heat Transfer

will be held at
Kutateladze Institute of Thermophysics, Academgorodok, Novosibirsk, Russia, 2-4 of March 2016.

Symposium Chairs:

Vladimir S. Ajaev
Southern Methodist University, Department of Mathematics, Dallas TX, USA

Sergey V. Alekseenko
Kutateladze Institute of Thermophysics, SB RAS, Novosibirsk, Russia

Oleg A. Kabov
Kutateladze Institute of Thermophysics, SB RAS, Novosibirsk, Russia

Haruhiko Ohta
Kyushu University Dept. Aeronautics & Astronautics Fukuoka, Japan

Scientific secretaries: Elena F. Bykovskaya, Dmitry V. Zaitsev, IT SB RAS

Symposium organizers:

- Kutateladze Institute of Thermophysics, SB RAS, Novosibirsk, Russia
- Kyushu University, Nishi-ku, Fukuoka, Japan
- Southern Methodist University, Dallas, TX, USA
- Begell House, Inc., Danbury, CT, USA

Sponsored by: Russian Science Foundation

Objective: The symposium is intended to provide a platform for researchers to exchange information and identify research needs in the interdisciplinary, rapidly developing research area of interfacial phenomena encompassing several disciplines including chemical engineering, mechanical engineering, applied mathematics, physics, and chemistry. Topics for discussions will include five scientific directions:

- Boiling crises: CHF, dry spot spreading, wettability and contact line effects
- Flow boiling and shear-driven films: CHF, wave structure, dry spots formation, effects of nano- and microstructured surfaces
- Sessile drop evaporation: wettability, gas flow, complex fluids, and contact line modeling
- Thermocapillary flows: instability, evaporation, gas flow, and gravity effects
- Two-phase flows in microchannels and minichannels: drag reduction, flow patterns, wettability effect

Abstracts: Submit your abstracts to the secretary via e-mail bykovskaya@itp.nsc.ru, by October 30, 2015. Template and instructions are available on the website http://www.itp.nsc.ru/htl/symposium-16/. Notification of presentations acceptance: November 20, 2015.

Scientific Committee:

- Vladimir S. Ajaev, SMU, USA
- Sergey V. Alekseenko, IT, Russia
- Alidad Amirfazli, UA, Canada
- Hitoshi Asano, KoU, Japan
- Avram Bar-Cohen, UM, USA
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- David Brutin, IUSTI, France
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- Andrey G. Fedorov, GIT, USA
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- Dmitriy Markovich, IT, Russia
- Haruhiko Ohta, KU, Japan
- Luis Antonio Davalos-Orozco, UNAM, Mexico
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- Huihe Qiu, HKUST, Hong Kong
- Amir Riaz, UM, USA
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- Lounes Tadrist, IUSTI, France
- Koji Takahashi, KU, Japan
- John R. Thome, EPFL, Switzerland
- Amos Ullmann, TAU, Israel
- Jian-Fu Zhao, IM, China

Papers: A special issue Wettability Effects on Phase Change Phenomena will be published on the occasion of this Symposium. The special issue will be published in the Journal Interfacial Phenomena and Heat Transfer, www.dl.begellhouse.com. The manuscripts will undergo a full peer review and authors will be notified well before the Symposium about the publication procedure and schedule.