

VI International Seminar with elements of scientific school for young scientists (ISHM-VI)

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

July 27-28, 2017

Novosibirsk, Russia

PROGRAM

Kutateladze Institute of Thermophysics SB RAS (IT SB RAS)
Tianjin University (TJU)
Russian Science Foundation (RSF)

Novosibirsk – 2017

Web: <http://www.itp.nsc.ru/conferences/ishm6/>

BRIEF DESCRIPTION:

International Seminar **ISHM-VI** will be held in Novosibirsk at the Kutateladze Institute of Thermophysics SB RAS **27-28 July 2017**. 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.

The International Seminar with elements of scientific school for young scientists will be held two times in one year at support of the **Russian Science Foundation** of the Project No. 14-49-00010 "*Comprehensive investigation of relationship between self-organization of the flows and non-equilibrium interfacial heat and mass transfer under the conditions of multiscale interaction relating to development of high technologies in distillation and energy equipment*". The first seminar (ISHM-I) held on December 1-2, 2014 in the Kutateladze Institute of Thermophysics.

Organizations:

- [Kutateladze Institute of Thermophysics SB RAS \(Novosibirsk, Russia\)](#)
- [Tianjin University \(TJU, r. Tianjin, China\)](#)
- [Russian Science Foundation \(Moscow, Russia\)](#)

Seminar dates: 27-28 July 2017

Location: Kutateladze Institute of Thermophysics, 630090, Russia, Novosibirsk, Acad. Lavrentiev ave. 1.

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

LANGUAGES

Working language of the Seminar - English. Presentation of the reports should be prepared in English in format of PowerPoint.

PROCEEDINGS

The materials of the seminar ISHM VI will be published in a special book of abstracts.

REGISTRATION DESK

Registration fee for participants is not provided.

27 July (Thursday)	9:00-15:00	Kutateladze Institute of Thermophysics, 3rd floor
28 July (Friday)	9:00-12:00	Kutateladze Institute of Thermophysics, 3rd floor

COMMITTEES

Chair

Corr. Member of RAS A.N. Pavlenko (IT SB RAS, Novosibirsk, Russia)

Co-Chairs

Prof. V.V. Kuznetsov (IT SB RAS, Novosibirsk, Russia)

Prof. X. Li (Tianjin University, Tianjin, China)

Scientific Secretary

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

Seminar Secretary

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

CONTACTS

630090, Novosibirsk, acad. Lavrentiev ave. 1

Kutateladze Institute of Thermophysics SB RAS

tel. (383) 328-43-87 Seminar Chair – Corr. Member of RAS Pavlenko Aleksandr Nikolaevich

tel. (383) 330-87-00 Scientific Secretary – Dr. Surtaev Anton Sergeevich

tel. (383) 330-87-00 Seminar Secretary – Gozhenko Irina Vasilievna

e-mail ishm@itp.nsc.ru

web <http://www.itp.nsc.ru/conferences/ishm6/index.html>

LIST OF PARTICIPANTS

In total 30 Russian scientists, 25 foreign scientists and 40 young scientists, post-graduates, full-time students from different Scientific, Educational and Commercial Organizations of Russia and China will take part in the Seminar.

Russian scientists

1. A.N. Pavlenko (Corr. Member of RAS, Head of laboratory, IT SB RAS);
2. V.V. Kuznetsov (Professor, Doctor of sciences, Head of department, IT SB RAS);
3. I.I. Gogonin (Professor, Doctor of sciences, Leading researcher, IT SB RAS);
4. V.I. Terekhov (Professor, Doctor of sciences, Head of department, IT SB RAS);
5. A.D. Nazarov (Doctor of sciences, Leading researcher, IT SB RAS);
6. M.P. Anisimov (Professor, Doctor of sciences, NSTU);
7. A.A. Chernov (Doctor of sciences, Leading researcher, IT SB RAS)
8. D.Yu. Trufanov (PhD, Research fellow, Khristianovich Institute of Theoretical and Applied Mechanics SB RAS);
9. M.I. Nizovtsev (Doctor of sciences, Head of laboratory, IT SB RAS);
10. N.N. Zubkov (Professor, Doctor of sciences, Bauman Moscow State Technical University, Moscow);
11. N.I. Pecherkin (PhD, Senior researcher, IT SB RAS);
12. V.E. Zhukov (PhD, Senior researcher, IT SB RAS);
13. V.I. Zhukov (PhD, Associate professor, NSTU);
14. A.N. Sterlyagov (PhD, Senior researcher, IT SB RAS);
15. O.A. Volodin (PhD, Research fellow, IT SB RAS);
16. V.Yu. Borodulin (Leading engineer, IT SB RAS);
17. V.N. Letushko (Leading engineer, IT SB RAS);
18. B.V. Perepelitsa (PhD, Leading researcher, IT SB RAS);
19. S.V. Dimov (PhD, Senior researcher, IT SB RAS);
20. V.V. Ovchinnikov (PhD, Senior researcher, IT SB RAS);
21. V.I. Kalita (Doctor of sciences, Head of laboratory, Baikov Institute of Metallurgy and Materials Science);
22. D.I. Komlev (PhD, Deputy Head of laboratory, Baikov Institute of Metallurgy and Materials Science, Moscow);
23. V.V. Syzrantsev (PhD, Senior researcher, Khristianovich Institute of Theoretical and Applied Mechanics SB RAS);
24. Yu.M. Petin (Doctor of sciences, Director, ZAO "Energy");
25. S.L. Elistratov (Professor, Doctor of sciences, NSTU);
26. I.P. Starodubtseva (PhD, Research fellow, IT SB RAS);
27. A.S. Shamirzaev (PhD, Senior researcher, IT SB RAS);
28. O.A. Gasenko (Leading engineer, IT SB RAS);
29. S.D. Sleptsov (PhD, Senior researcher, IT SB RAS);
30. N.A. Rubtsov (Doctor of sciences, Leading researcher, IT SB RAS).

Foreign scientists

1. X. Li (Professor, Tianjin University, School of Chemical Engineering and Technology, NERCCT Director, "National PeiYang Distillation Tech. Eng. Limited Company" Director, China);
2. M.Y. Liu (Professor, School of Chemical Engineering and Technology, Tianjin University, Tianjin, China);
3. H. Sui (Ph.D. in Chemical Engineering, Associate Professor, School of Chemical Engineering and Technology, Tianjin University, China);
4. L. Zhang (PhD in Chemical Engineering, Professor, School of Environmental Science and Engineering, Tianjin-Basic Chemical Experiments Dept., Tianjin University, China);
5. H. Li (Ph.D. in Chemical Engineering, Associate Professor, School of Chemical Engineering and Technology, Tianjin University, China);
6. X. Gao (Ph.D. in Chemical Engineering, Associate Professor, School of Chemical Engineering and Technology, Tianjin University, China);
7. C.T. Cui (Ph.D. student, School of Chemical Engineering and Technology, Tianjin University, China);

8. L. He (PhD, Associate Professor, School of Chemical Engineering and Technology, Tianjin University, China);
9. J.S. Sun (PhD, Associate Professor, School of Chemical Engineering and Technology, Tianjin University, China);
10. Y. J. Li (Ph.D. student, School of Chemical Engineering and Technology, Tianjin University, China);
11. X. N. Li (Ph.D. student, School of Chemical Engineering and Technology, Tianjin University, China);
12. Y. Bai (Ph.D. student, School of Chemical Engineering and Technology, Tianjin University, China);
13. Y. Xu (Ph.D. student, School of Chemical Engineering and Technology, Tianjin University, China);
14. J. L. Zhu (PhD, Associate Professor, Key Laboratory of Efficient Utilization of Low and Medium Grade Energy, Geothermal Research and Training Center, Tianjin University, China);
15. H. T. Li (PhD, Leading engineer, Huabei Oilfield Company, China);
16. W. D. Zhou (PhD, Leading engineer, School of Chemical Engineering and Technology, Tianjin University, China);
17. Y. Lv (Ph.D. student, School of Chemical Engineering and Technology, Tianjin University, China);
18. Liyan Liu (PhD, Associate Professor, School of Chemical Engineering and Technology, Tianjin University, China);
19. Zhanbin Jia (PhD, Associate Professor, School of Chemical Engineering and Technology, Tianjin University, China);
20. Wei Tan (PhD, Professor, School of Chemical Engineering and Technology, Tianjin University, China);
21. Xiaoming Xiao (PhD, Associate Professor, School of Chemical Engineering and Technology, Tianjin University, China);
22. Guobin Wen (Ph.D. student, School of Chemical Engineering and Technology, Tianjin University, China);
23. P.K. Hopke (Professor, Clarkson University, USA);
24. A.L. Ekaid (PhD, Associate Professor, Mechanical Engineering Dept., University of Technology, Baghdad, Iraq);
25. K.F. Yassin (PhD, Associate Professor, Northern Technical University, Kirkuk, Iraq).

Young scientists, post-graduates, students

1. A.S. Surtaev (PhD, Senior Researcher, IT SB RAS);
2. M.V. Bartashevich (PhD, Research fellow, IT SB RAS);
3. I.A. Kozulin (PhD, Research fellow, IT SB RAS);
4. A.A. Pil'nik (Post-graduate, IT SB RAS);
5. A.P. Zavjalov (PhD, Junior researcher, Khristianovich Institute of Theoretical and Applied Mechanics SB RAS);
6. K.V.Zobov (Junior researcher, Khristianovich Institute of Theoretical and Applied Mechanics SB RAS);
7. R.A. Glebov (Post-graduate, NSTU);
8. Y.L. Bityutskaya (Post-graduate, research engineer, IT SB RAS);
9. M.G. Vlasenko (Junior researcher, IT SB RAS);
10. A.N. Chernyavskiy (Research engineer, IT SB RAS);
11. V.S. Serdyukov (Post-graduate, Research engineer, IT SB RAS);
12. M.I. Moiseev (Post-graduate, Junior researcher, IT SB RAS);
13. D.A. Shvetsov (Student, NSTU);
14. M.I. Fokin (student, NSU);
15. E.Yu. Slesareva (Post-graduate, IT SB RAS);
16. A.Yu. Sakhnov (PhD, Research fellow, IT SB RAS);
17. D.G. Amanbaeva (Student, NSTU);
18. V.V. Tumanov (Student, NSU, Laboratory assistant, IT SB RAS);
19. D.V. Kuznetsov (Post-graduate, Research engineer, IT SB RAS);
20. A.A. Radyuk (Post-graduate, Baikov Institute of Metallurgy and Materials Science, Moscow);
21. A.Yu. Ivannikov (PhD, Researcher, Baikov Institute of Metallurgy and Materials Science, Moscow);
22. M.A. Vorobyev (Post-graduate, Research engineer, IT SB RAS);
23. A. Safonov (PhD, Senior researcher, IT SB RAS);
24. M.V. Timoshevskiy (Post-graduate, Research engineer, IT SB RAS);
25. K.S. Pervunin (Research fellow, IT SB RAS);
26. A.S. Nebuchinov (Post-graduate, IT SB RAS);
27. E.N. Shatskiy (Post-graduate, IT SB RAS);
28. A.A. Borisov (Post-graduate, IT SB RAS);

29. K.I. Stepanov (Research fellow, IT SB RAS);
30. E.M. Bochkareva (Post-graduate, IT SB RAS);
31. G.V. Bartkus (Student, NSU, Laboratory assistant, IT SB RAS);
32. S.E. Spesivtsev (Student, NSU, laboratory assistant, IT SB RAS);
33. F.V. Ronshin (Post-graduate, research engineer, IT SB RAS);
34. I.I. Zapryagaev (Post-graduate, research engineer, IT SB RAS);
35. V.S. Naumkin (PhD, Research engineer, IT SB RAS);
36. A.V. Meleshkin (PhD, Research engineer, IT SB RAS);
37. V.V. Cheverda (PhD, Researcher, IT SB RAS);
38. M.S. Makarov (PhD, Research fellow, IT SB RAS);
39. S.V. Starinsky (Post-graduate, IT SB RAS);
40. A.O. Zamchiy (PhD, Engineer, IT SB RAS).

27 JULY (THURSDAY)
Conference Hall of IT SB RAS

9:00-15:00	REGISTRATION (Location: Kutateladze Institute of Thermophysics, 3rd floor)
9:00-9:15	Welcome speech of the Chairman of Seminar ISHM-VI Aleksandr N. Pavlenko
INVITED PRESENTATIONS	
9:15-9:35	<u>V.V. Kuznetsov</u> (<i>Kutateladze Institute of Thermophysics, Novosibirsk, Russia</i>) TWO-PHASE FLOW AND MASS TRANSFER IN DISTILLATION COLUMN WITH STRUCTURED PACKING
9:35-9:55	<u>X. Gao, H. Li, X. Li</u> (<i>National Engineering Research Center of Distillation Technology, School of Chemical Engineering and Technology, Collaborative Innovation Center of Chemical Science and Engineering, Tianjin University, Tianjin, China</i>) PROCESS INTENSIFICATION OF DISTILLATION TECHNOLOGY
9:55-10:15	<u>A.N. Pavlenko, V.E. Zhukov, N.I. Pecherkin, O.A. Volodin, A.D. Nazarov</u> (<i>Kutateladze Institute of Thermophysics, Novosibirsk, Russia</i>), <u>X. Li, X. Gao, H. Li, M. Liu, L. Zhang and H. Sui</u> (<i>School of Chemical Engineering and Technology, National Engineering Research Center of Distillation Technology, Tianjin University, Tianjin, China</i>) EFFICIENCY OF MIXTURE SEPARATION IN DISTILLATION COLUMNS WITH VARIOUS STRUCTURED PACKINGS UNDER CONDITIONS OF PERIODIC IRRIGATION
10:15-10:35	<u>H. Li, X. Gao, X. Li</u> (<i>National Engineering Research Center of Distillation Technology, School of Chemical Engineering and Technology, Collaborative Innovation Center of Chemical Science and Engineering, Tianjin University, Tianjin, China</i>) COUPLING REGULATION AND OPTIMIZATION OF REACTIVE DISTILLATION PROCESS BASED ON POROUS MEDIUM CATALYTIC PACKING
10:35-10:55	COFFEE
10:55-11:15	<u>C.T. Cui, X.G. Li, L. He, H. Sui and J.S. Sun</u> (<i>National Engineering Research Center of Distillation Technology, School of Chemical Engineering and Technology, Collaborative Innovation Center of Chemical Science and Engineering, Tianjin University, Tianjin, China</i>) SCHEMES FOR SEPARATING CLOSE-BOILING COMPONENTS BY DISTILLATION
11:15-11:35	<u>X. Li, H. Li, X. Gao</u> (<i>National Engineering Research Center of Distillation Technology, School of Chemical Engineering and Technology, Collaborative Innovation Center of Chemical Science and Engineering, Tianjin University, Tianjin, China</i>) STUDY ON THE SYNERGETIC EFFECTS IN CORN STRAW AND OIL SANDS CO-PYROLYSIS
11:35-11:55	<u>M.P. Anisimov, P.K. Hopke</u> (<i>Clarkson University, Potsdam, USA; Novosibirsk State Technical University, Novosibirsk, Russia</i>) NEW TRENDS IN THE NUCLEATION RESEARCH
11:55-12:15	<u>A.A. Chernov, A.A. Pil'nik</u> (<i>Kutateladze Institute of Thermophysics, Novosibirsk State University, Novosibirsk, Russia</i>) MELT CAVITATION DURING CRYSTALLIZATION PROCESSES
12:15-12:35	<u>S.L. Elistratov, R.A. Glebov</u> (<i>Novosibirsk State Technical University, Novosibirsk, Russia</i>) EXPERIMENTAL STUDY OF THE DECOMPOSITION OF METHANE HYDRATES OF NATURAL AND ARTIFICIAL ORIGIN

12:35-14:00	LUNCH
ORAL PRESENTATIONS	
14:00-14:15	<i>L. He, Y. Bai, H. Sui, X.G. Li (Collaborative Innovation Centre of Chemical Science and Engineering, School of Chemical Engineering and Technology, Tianjin University; National Engineering Research Centre of Distillation Technology, Tianjin, China)</i> INTERFACIAL HETEROGENEITY AND ITS ROLES IN UNCONVENTIONAL OIL RECOVERY
14:15-14:30	<i>Y. Xu, M. Y. Liu, W. D. Zhou (Collaborative Innovation Center of Chemical Science and Engineering, School of Chemical Engineering and Technology, State Key Laboratory of Chemical Engineering, Tianjin University, Tianjin, China), J. L. Zhu (Key Laboratory of Efficient Utilization of Low and Medium Grade Energy, Geothermal Research and Training Center of Tianjin University, Tianjin, China), H. T. Li (No. Production Plant, Huabei Oilfield Company, Hejian, China)</i> OIL SOILING INHIBITION OF PLATE HEAT EXCHANGER IN SIMULATED OILFIELD GEOTHERMAL WATER
14:30-14:45	<i>D.Yu. Trufanov (Khristianovich Institute of Theoretical and Applied Mechanics SB RAS, Novosibirsk, Russia)</i> DEPOSITION OF NANO LIQUIDS UNDER THE ACT OF VOLUME FORCE
14:45-15:00	<i>Y. Lv, M.Y. Liu (Collaborative Innovation Center of Chemical Science and Engineering, School of Chemical Engineering and Technology, State Key Laboratory of Chemical Engineering, Tianjin University, Tianjin, China; Department of Environmental and Chemical Engineering, Tangshan University, Hebei Tangshan, China)</i> FABRICATION OF SUPERHYDROPHOBIC POROUS NANOTUBE ARRAY COATING ON TITANIUM SUBSTRATE AND ITS FOULING BEHAVIOR IN POOL BOILING
15:00-15:15	<i>A.P. Zavjalov, K.V.Zobov, V.V. Syzrantsev (Khristianovich Institute of Theoretical and Applied Mechanics SB RAS, Novosibirsk, Russia)</i> PHISICAL BASES OF THE ADSORBED LAYER MODEL FOR THE NANOFUIDS VISCOSITY PHENOMENON
15:15-15:30	COFFEE
INVITED PRESENTATIONS	
15:30-15:50	<i>Y. J. Li, M. Y. Liu, X. N. Li (Collaborative Innovation Center of Chemical Science and Engineering, State Key Laboratory of Chemical Engineering, Tianjin University, Tianjin, China)</i> MINIMUM FLUIDIZATION VELOCITY IN GAS-LIQUID-SOLID MINI-FLUIDIZED BEDS
15:50-16:10	<i>I.I. Gogonin, Yu.M. Petin (Kutateladze Institute of Thermophysics, Novosibirsk, Russia)</i> LIMIT HYDRODYNAMIC AND THERMAL PARAMETERS IN SUBMERSIBLE STEAM GENERATORS
16:10-16:30	<i>Wei Tan, Zhanbin Jia, Liyan Liu (School of Chemical Engineering & Technology, Tianjin University, Tianjin, China)</i> STUDY ON THE COUPLED VIBRATION OF HEAT EXCHANGERS
16:30-16:50	<i>Guobin Wen, Luhong Zhang, Xiaoming Xiao (School of Chemical Engineering and Technology, Tianjin University, Tianjin, China)</i> NUMERICAL ANALYZE ON HEAT TRANSFER PERFORMANCE OF TUBE WITH SWIRL GENERATORS
16:50-17:10	<i>V.I. Terekhov (Kutateladze Institute of Thermophysics, Novosibirsk, Russia), A.L.</i>

	<i>Ekaid (University of Technology, Baghdad, Iraq) and K.F. Yassin (Novosibirsk State Technical University, Novosibirsk, Russia; Northern Technical University, Kirkuk, Iraq)</i> LAMINAR FLOW BETWEEN TWO VERTICAL PARALLEL ADIABATIC PLATES
CONFERENCE RECEPTION	

28 JULY (FRIDAY)
Conference Hall of IT SB RAS

9:00-12:00	REGISTRATION (Location: Kutateladze Institute of Thermophysics, 3rd floor)
INVITED PRESENTATIONS	
9:00-9:20	<i>B.V. Perepelitsa (Kutateladze Institute of Thermophysics, Novosibirsk, Russia)</i> FREE ROUND LAMINAR JET UNDER THE ACTION OF ACOUSTIC FIELD
9:20-9:40	<i>O.A. Volodin, N.I. Pecherkin, A.N. Pavlenko, M. Liu, L. Zhang (Kutateladze Institute of Thermophysics, Novosibirsk, Russia), N.N. Zubkov, Yu.L. Bityutskaya (Bauman Moscow State Technical University, Moscow, Russia)</i> BOILING OF LIQUID FILM FALLING DOWN THE MICROSTRUCTURED SURFACES
ORAL PRESENTATIONS	
9:40-9:55	<i>M.V. Bartashevich, A.A. Chernov, A.A. Pil'nik, M.G. Vlasenko (Kutateladze Institute of Thermophysics, Novosibirsk State University, Novosibirsk, Russia)</i> NONISOTHERMAL FILM ABSORPTION WITH TANGENTIAL STRESS ON THE INTERFACE
9:55-10:10	<i>A.N. Chernyavskiy, A.N. Pavlenko (Kutateladze Institute of Thermophysics, Novosibirsk, Russia)</i> SIMULATION OF NONSTEADY HEAT TRANSFER AND DETERMINATION OF FLOW DECAY CONDITIONS IN FALLING WAVY LIQUID FILMS
10:10-10:25	<i>I.P. Starodubtseva (Kutateladze Institute of Thermophysics, Novosibirsk, Russia)</i> A NUMERICAL MODEL FOR QUENCH FRONT INITIALIZATION
10:25-10:40 COFFEE	
10:40-10:55	<i>A.S. Shamirzaev, V.V. Kuznetsov (Kutateladze Institute of Thermophysics, Novosibirsk, Russia)</i> FLOW BOILING HEAT TRANSFER OF R-141b AND R-1234yf IN MICROCHANNEL HEAT EXCHANGER
10:55-11:10	<i>A.S. Surtaev, V.S. Serdyukov, A.N. Chernyavskiy (Kutateladze Institute of Thermophysics, Novosibirsk State University, Novosibirsk, Russia)</i> MICROSCALE HEAT TRANSFER CHARACTERISTICS AT POOL BOILING
11:10-11:25	<i>M.I. Moiseev, V.E. Zhukov (Kutateladze Institute of Thermophysics, Novosibirsk, Russia)</i> EXPERIMENTAL STUDY OF SELF-SUSTAINING EVAPORATION FRONT IN SUBCOOLED ETHANOL
11:25-11:40	<i>A.N. Sterlyagov, M.I. Nizovtsev, V.Yu. Borodulin, V.N. Letushko (Kutateladze Institute of Thermophysics, Novosibirsk, Russia)</i> INFLUENCE OF CONCENTRATION OF WATER-ETHANOL SOLUTION ON DROPLET EVAPORATION
11:40-11:55	<i>D.A. Shvetsov, V.I. Zhukov (Novosibirsk State Technical University, Novosibirsk, Russia), A.N. Pavlenko (Kutateladze Institute of Thermophysics, Novosibirsk, Russia)</i>

	STUDY OF HEAT TRANSFER AND CRITICAL HEAT FLUXES DURING EVAPORATION AND BOILING OF THE LIQUID IN A THIN HORIZONTAL LAYER UNDER REDUCED PRESSURE
11:55-12:10	<i>D.A. Shvetsov, D.G. Amanbaeva, V.I. Zhukov (Novosibirsk State Technical University, Novosibirsk, Russia), A.N. Pavlenko (Kutateladze Institute of Thermophysics, Novosibirsk, Russia)</i> MAPPING BOILING HYDRODYNAMIC REGIMES OF THE THIN HORIZONTAL LIQUID LAYER
12:10-14:00	LUNCH
14:00-14:15	<i>I.A. Kozulin, V.V. Kuznetsov (Kutateladze Institute of Thermophysics, Novosibirsk State University, Novosibirsk, Russia)</i> INVESTIGATION OF ASCENDING GAS-LIQUID FLOW IN THE RECTANGULAR TRANSPARENT MINICHANNEL
14:15-14:30	<i>E.Yu. Slesareva, V.V. Ovchinnikov (Kutateladze Institute of Thermophysics, Novosibirsk, Russia), S.L. Elistratov (Novosibirsk State Technical University, Novosibirsk, Russia)</i> THE PANORAMIC METHOD FOR DETERMINING THE TEMPERATURES FIELD OF THE GAS FLOW
14:30-14:45	<i>A.Yu. Sakhnov (Kutateladze Institute of Thermophysics, Novosibirsk, Russia)</i> VELOCITY OVERSHOOT IN THE ACCELERATED FLOW OVER A HEATED WALL FOR VARIOUS GASES
14:45-15:00	<i>S.V. Dimov, O.A. Gasenko, V.V. Kuznetsov, M. I. Fokin (Kutateladze Institute of Thermophysics, Novosibirsk, Russia)</i> CATALYTIC OXIDATION OF FUEL GAS IN ANNULAR REACTOR
15:00-15:15	<i>A.S. Surtaev, V.S. Serdyukov, V.V. Tumanov (Kutateladze Institute of Thermophysics, Novosibirsk State University, Novosibirsk, Russia), A.N. Pavlenko (Kutateladze Institute of Thermophysics, Novosibirsk, Russia)</i> GROWTH AND DEPARTURE OF VAPOR BUBBLES AT BOILING ON THE SMOOTH SURFACE
15:15-15:30	<i>A.N. Pavlenko, D.V. Kuznetsov (Kutateladze Institute of Thermophysics, Novosibirsk, Russia), V.I. Kalita, D.I. Komlev, A.A. Radyuk, A.Yu. Ivannikov (Baikov Institute of Metallurgy and Materials Science, Moscow, Russia)</i> REWETTING DYNAMICS OF THE OVERHEATED SURFACES WITH STRUCTURED CAPILLARY-POROUS COATINGS BY A FALLING FILM OF LIQUID
15:30-15:45	<i>S. D. Sleptsov, N.A. Rubtsov (Kutateladze Institute of Thermophysics, Novosibirsk, Russia)</i> ICE MELTING SIMULATION IN APPROXIMATION OF ONE-PHASE STEFAN PROBLEM
15:45-16:00	Closing of the Seminar ISHM-VI. Results and discussion.