

PRELIMINARY TECHNICAL PROGRAM

Sunday, October 5, 2014

17⁰⁰ – 20⁰⁰ Registration

Monday, October 6, 2014

8³⁰ – 9⁵⁰ Registration

9³⁰ – 9⁵⁰ Opening Ceremony

Academician O.N. Favorskii

Academician A.S. Koroteev

Dr. G.D. Roy

Prof. S.M. Frolov

Prof. A.M. Starik

Session 1.

Kinetics and elementary processes I

Chairpersons: Surzhikov S.T.

9⁵⁰ – 10⁴⁰

Plenary Lecture

Starik A.M.

(Central Institute of Aviation Motors, Moscow, Russia)

Kinetic processes in complex burning plasma: history and novel challenges

10⁵⁰ – 11¹⁰

M.V. Zagidullin^{1,2}, A.S. Insapov², M.I. Khvatov¹, M.I. Svistun¹

(¹Lebedev Physical Institute of RAS, Samara Branch, ²Samara State Aerospace University)

Kinetics of singlet oxygen emission induced by collisions in the temperature range 90-315K

11¹⁰ – 11⁴⁰ *Coffee Break*

Session 2.

Kinetics and elementary processes II

Chairpersons: Surzhikov S.T.

11⁴⁰ – 12⁰⁰

Kadochnikov I.N., Loukhovitski B.I., Starik A.M.

(Central Institute of Aviation Motors, Moscow, Russia)

Comprehensive analysis of nonequilibrium processes behind shock wave and in expanding flow based on modified model of mode approximation

12⁰⁰ – 12²⁰

Madirbaev V.Gh., Zarvin A.E., Korobeishchikov N.G.

(Novosibirsk State University. Department of Applied Physics. Novosibirsk, Russia)

The phenomenon of ionic-cluster excitation of argon levels in molecular gas mixtures

12²⁰ – 12⁴⁰

Arnolds Ubelis¹, Alfonso Saiz-Lopez², Janis Blahins¹, Aigars Apsitis¹, Uldis Gross¹
(¹National Science Center FOTONIKA-LV. University of Latvia; ²Atmospheric Chemistry and Climate Group, Institute of Physical Chemistry Rocasolano, CSIC, Spain)

Applications of iodine and bromine atomic resonance spectra sources for atmosphere research

12⁴⁰ – 13⁰⁰

G.I. Zmievskaia, A.L. Bondareva
(M.V. Keldysh institute of applied mathematics RAS)

Stochastic model of nanostructures formation in SiC/Mo under ions implantation

13⁰⁰ – 14⁰⁰ *Lunch*

Session 3.

Fundamentals of ignition and combustion I

Chairperson: V. Molkov

14⁰⁰ – 14⁵⁰

Keynote Lecture

Kopchenov V.I., Bezgin L.V., Titova N.S., Starik A.M.
(Central Institute of Aviation Motors, Moscow, Russia)

Kinetic modeling of ignition and combustion in scramjet duct

14⁵⁰ – 15¹⁰

V. Ya. Basevich, A. A. Belyaev, F. S. Frolov, S. N. Medvedev, S. M. Frolov

Detailed reaction mechanism of heavy hydrocarbon fuel oxidation: application to combustion and detonation of gaseous and liquid fuels

15¹⁰ – 15³⁰

A.V. Eremin¹, E.V. Gurentsov¹, E.Yu. Mikheyeva^{1,2}

(¹Joint Institute for High Temperatures Russian Academy of Sciences, Moscow, Russia; ²Bauman Moscow State Technical University, Moscow, Russia)

Influence of alcohol additions on soot formation in shock tube pyrolysis of benzene

15³⁰ – 15⁵⁰

Starik A.M., Kuleshov P.S., Sharipov A.S., Titova N.S.

(Central Institute of Aviation Motors, Moscow, Russia)

Ignition and combustion in Al-CH₄-O₂ system: Modeling study

15⁵⁰ – 16¹⁰ *Coffee Break*

Session 4.

Fundamentals of ignition and combustion II

Chairperson: Titova N.S.

16¹⁰ – 16³⁰

V.S. Teslenko, A.P. Drozhzhin, R.N. Medvedev

(Lavrent'ev Institute of Hydrodynamics, Siberian Branch, Russian Academy of Sciences)

Gas combustion in water

16³⁰ – 16⁵⁰

Ivanov M.F., Kiverin A.D., Liberman M.A.

(Joint Institute for High Temperatures of RAS, Moscow, Russia)

The role of heat radiation in combustion of chemically active gas-suspensions

16⁵⁰ – 17¹⁰

M.S. Assad, O.G. Penyazkov

(A.V. Luikov Heat and Mass Transfer Institute of the National Academy of Sciences of Belarus)

Combustion features of hydrogen / synthesis-gas-containing mixtures in internal combustion engine

17¹⁰ – 17³⁰

Frolov S.M., Ivanov V.S., Dubrovskii A.V., Basara B.

(*Semenov Institute of Chemical Physics, Moscow, Russia*)

Large eddy simulation of the initial stage of deflagration to detonation transition in gaseous explosive mixture

19⁰⁰ – 22⁰⁰

Welcome Party

Tuesday, October 7, 2014

Session 5.

Kinetics and Elementary processes III.

Chairperson: P. Leyland

9³⁰ – 10²⁰

Keynote Lecture

Arnolds Ubelis

(Association FOTONIKA-LV, University of Latvia)

Secondary photochemical reactions and technologies for active remote sensing of nocturnal atmosphere - international consortium project "NOCTURNAL ATMOSPHERE"(2013-2017)

10²⁰ – 10⁴⁰

Arsentiev I.V., Savel'ev A.M., Starik A.M.

(Central Institute of Aviation Motors, Moscow, Russia)

On mechanisms of charged particle formation behind the shock wave propagating in dusted atmosphere

10⁴⁰ – 11⁰⁰

Zagidullin M.V.^{1,2}, Mikheyev P.A.^{1,2}, Pershin A.A.², Torbin A.P.^{1,2} and Azyazov V.N.^{1,2}

(¹P.N. Lebedev Physical Institute of RAS, Samara Branch, 443011, Russia; ²Samara State Aerospace University, 443086, Russia)

Fast singlet oxygen quenching effect in O/O₂/O₃ system

11⁰⁰ – 11²⁰

Coffee Break

Session 6.

Kinetics and Elementary processes III.

Chairperson: A. Ubelis

11²⁰ – 12¹⁰

Keynote Lecture

Surzhikov S.T.

(IPMech RAS, Moscow, Russia)

Applications of hybrid radiative-collisional models to the analysis of over orbit entry of STARDUST vehicle into the atmosphere

12¹⁰ – 12³⁰

Sharipov A.S., Starik A.M.

(Central Institute of Aviation Motors, Moscow, Russia)

Theoretical study of elementary processes in Al-H₂O₂ reacting system

12³⁰ – 12⁵⁰

B. I. Loukhovitski, A. S. Sharipov, S.A. Torokhov and A. M. Starik

(Central Institute of Aviation Motors, Moscow, Russia)

Quantum chemical analysis of structure of Al_nC_m clusters

12⁵⁰ – 14⁰⁰ **Lunch**

Session 7.

Plasma I

Chairperson: Starik A.M.

14⁰⁰ – 14⁵⁰

Keynote Lecture

P. Leyland

(Interdisciplinary Aerodynamics Group, GR-SCI-IAG, IGM, EPFL, Switzerland)

Physics and Gasdynamics of Plasma actuators

14⁵⁰ – 15¹⁰

P. Leyland, N. Banerji, E. Fahy, T. McIntyre, U. Sheikh, S. Lohle, F. Zander, T. Hermann

(Interdisciplinary Aerodynamics Group, GR-SCI-IAG, IGM, EPFL, Switzerland)

Ablation-Radiation Coupling in the VUV region

15¹⁰ – 15³⁰

Gurentsov E.V., Yurischev M.V.

(Joint Institute for High Temperature Russian Academy of Sciences, Moscow, Russia)

Size and vaporization temperature of Mo nanoparticles formed by laser photo-dissociation of Mo(CO)₆

15³⁰ – 15⁵⁰ **Coffee Break**

Session 8.

Low temperature plasma II

Chairperson: Mikheyev P.A.

15⁵⁰ – 16¹⁰

G. Plyushchev, S. Goekce, P. Leyland, R. Geuns, A. Howling

(Interdisciplinary Aerodynamics Group, GR-SCI-IAG, IGM, EPFL, Switzerland)

Characterisation of Plasma Discharges and Flow Interaction

16¹⁰ – 16³⁰

P.A. Mikheyev^{1,2}, A.K. Chernyshov¹, N.I. Ufimtsev¹, E.A. Vorontsova¹
(¹P.N. Lebedev Physical Institute of RAS, Samara Branch, Russia; ²Samara State Aerospace University, Russia)

Tunable diode-laser spectroscopy (TDLAS) for metastables number density measurements in rare gases

16³⁰ – 16⁵⁰

V.S. Voiteshonok, A.I. Golovin, A.V. Turkin, A.I. Shloydo
(SSC FSUE Keldysh Research Centre, Moscow, Russia)

Continuous generation of electron beams in medium pressure gases

16⁵⁰ – 17³⁰

Annette Ladstaetter-Weissenmayer
(Institute of Environmental Physics, University of Bremen, Germany)

The Use of Satellite based SCIAMACHY data to Study Pollution Events

17³⁰ – 17⁵⁰

I.A. Izmailov¹, V.V. Naumov¹, A.M. Starik²
(¹Institute of Physics, National Academy of Sciences of Ukraine, Kiev, Ukraine; ²Central Institute of Aviation Motors, Moscow, Russia)

Non-equilibrium kinetic processes in heterophase plasma of lead azide detonation products

Tuesday, [October 7, 2014](#)

Poster Session

17⁰⁰ – 20⁰⁰

Chairperson: Loukhovitski B.I.

1. Excitation of spectra of metals during discharge in electrolyte

R. N. Medvedev¹, I. A. Zarubin², A. D. Shokolov³

(¹Lavrent'ev Institute of Hydrodynamics, Siberian Branch, Russian Academy of Sciences; ²Institute of Automatics and Electrometry, Siberian Branch, Russian Academy of Sciences; ³Novosibirsk State University, Novosibirsk)

2. Synthesis of Submicron Aluminum Nitride Particles in Combustion mode

V.V. Zakorzhevsky, I.P. Borovinskaya

(Institute of Structural Macrokinetics and Materials Science, Russian Academy of Sciences, Chernogolovka, Moscow, Russia)

3. Problems of feasibility to satisfy ICAO target levels of 2020-30th years of NO_x emission at enhanced

V.F. Goltsev, I.I. Gomzyakova and S.A. Shchepin

(Central Institute of Aviation Motors (CIAM), Moscow, Russia)

4. The influence of aluminum powder dispersity on composite solid propellants ignitability and combustion

V. Arkhipov, A. Korotkikh*

(Research Institute of Applied Mathematics and Mechanics, Tomsk State University, Tomsk, Russia; *Energy Institute, National Research Tomsk Polytechnic University, Tomsk, Russia)

5. Steady modes of the counter flow reactor of replacement: System gas – liquid

E.V. Deyun¹, L.V. Kustova¹, Yu.N. Finaeva¹, N.G. Samoilenko¹, B.L. Korsunskiy^{1,2}

(¹ Institute of Problems of Chemical Physics, Russian Academy of Sciences, The Moscow region, Chernogolovka, Russia; ² N. Semenov Institute of Chemical Physics, Russian Academy of Sciences, Moscow, Russia)

6. Experimental study and numerical simulation of turbulent propane jet flame

Krikunova A.I. (MIPT), Safronov A.V. (JIHT), Son E.E. (JIHT), Dulin V.M. (IT SB RAS), Chikishev L.M. (IT SB RAS), Sharaborin D.K. (SFU)

7. Time evolution of the multicomponent laser plasma parameters

G.E. Laslov, M.P. Chuchman, A.K. Shuaibov
(Uzhgorod National University, Uzhgorod, Ukraine)

8. Investigation of the structure of radiation heat trace supersonic air flow with an optical pulsed diod laser

A.N. Malov, A.M. Orishich
(Khristianovich Institute of Theoretical and Applied Mechanics SB RAS, Novosibirsk, Russia)

9. Non-linear processes in target and laser-induced compression

Viktor V. Kuzenov, Sergei V. Ryzhkov
(Bauman Moscow State Technical University, Moscow, Russia)

10. Electron-beam initiation of plasma-chemical reactions in a supersonic jet of methane clusters

Zarvin A.E., Korobeishchikov N.G., Khodakov M.D., Kalyada V.V.
(Novosibirsk State University, Department of Applied Physics, Novosibirsk, Russia)

11. Method to calculate the temperature of gas in the channel of the plasmatron on the known of the electronic temperature

A. Gerasimov, A. Kirpichnikov, L. Rachevskiy
(Kazan National Research Technological University, Kazan, Russian Federation)

12. Turbulent Theory of Detonation

E.G. Yakubowski
(SPGG, Russia)

13. Calculation of enthalpies of formations complex salt compounds with energetic ligands

Y.N. Matyushin, T.S. Konkova, E.A. Miroshnichenko.
(N. Semenov Institute of Chemical Physics, Russian Academy of Sciences, Moscow, Russia)

14. Synthesis of nanocoatings induced by laser pulse photodissociation of gaseous precursors

E.V. Gurentsov
(Joint Institute for High Temperature Russian Academy of Sciences, Moscow, Russia)

15. Influence of the greenhouse gases on the Earth's ozone layer evolution in the 21st century

I.G. Dyominov and A.M. Zadorozhny
(Novosibirsk State University, Novosibirsk, Russia)

16. Excited oxygen generation by atmospheric RF plasma discharge for application in plasma-assisted combustion

K. Pliavaka¹, K. Zähringer¹, F. Pliavaka², S. Gorbatov², U. Riedel³, N. Slavinskaya³, N. Kuntner³, D. Thévenin¹

(¹ Lehrstuhl für Strömungsmechanik und Strömungstechnik (LSS), Otto-von-Guericke-Universität Magdeburg (OVGU), Germany; ² A.V. Luikov Heat and Mass Transfer Institute (HMTI) of the National Academy of Sciences of Belarus, Minsk, Belarus; ³ Institut für Verbrennungstechnik, Deutsches Zentrum für Luft- und Raumfahrt, Stuttgart, Germany)

17. Thermal explosion in semibatch reactors

N.G. Samojlenko¹, B.L. Korsunskiy^{1,2}, J.N. Finaeva¹, L.V. Kustova¹

(¹ Institute of problems of problems of chemical physics of the Russian Academy of Sciences, 142432 Chernogolovka, Russia; ² Scientifically research nuclear university "MIFI", Moscow, Russia)

18. Combustion synthesis of catalytically-active membranes

V.I. Uvarov, I.P. Borovinskaya and V.E. Loryan

(Institute of Structural Macrokinetics and Materials Science, Russian Academy of Sciences, Chernogolovka, Moscow, Russia)

19. Ecologically pure processing and utilization of industrial, domestic and radioactive wastes by combustion processes

Uvarov V.I., Loryan V.E., Borovinskaya I.P., Ponomarev M.A., Kachin A.R.

(Institute of Structural Macrokinetics and Materials Science, Russian Academy of Sciences, Chernogolovka, Moscow, Russia)

20. Combustion Synthesis of molybdenum, tungsten and composite powder silicides

V. I. Vershinnikov, T. I. Ignat'eva, and I. P. Borovinskaya

(Institute of Structural Macrokinetics and Materials Science, Russian Academy of Sciences, Chernogolovka, Moscow, Russia)

21. Experimental and modeling study of a stoichiometric premixed flame of methyl pentanoate at atmospheric pressure

D.A. Knyazkov, I.E. Gerasimov, T.A. Bolshova, S.A. Yakimov, A.G. Shmakov, O.P. Korobeinichev

(Institute of Chemical Kinetics and Combustion, Novosibirsk, Russia)

22. Energies of bonds, enthalpies of formation and reorganization of radicals

Miroshnichenko E.A., Kon'kova T.S., Matyushin Y.N., Vorob'ev A.B., Berlin A.A.

(N. N. Semenov Institute of Chemical Physics, Russian Academy of Sciences, Moscow, RUSSIA)

23. Numerical modeling of thin structure of a dispersing cylindrical detonation wave

Gidasov V.Yu., Severina N.S.

(Moscow Aviation Institute (National Research University))

Wednesday, October 8, 2014

Session 9.

Fundamentals of ignition and combustion II

Chairperson: Kopchenov V.V.

9³⁰ – 10²⁰

Keynote Lecture

Frolov S.M.

(N. Semenov Institute of Chemical Physics, Russian Academy of Sciences, Moscow, Russia)

Hydrogen-fueled continuous detonation combustors of different scale: 3D simulations and experiments

10²⁰ – 10⁴⁰

V. Molkov, V. Shentsov

(Hydrogen Safety Engineering and Research Centre (HySAFER), University of Ulster, Newtownabbey, Northern Ireland, UK)

Regimes of hydrogen jet fire in an enclosure with two vents

10⁴⁰ – 11⁰⁰

Kiverin A.D., Yakovenko I.S., Ivanov M.F.

(Joint Institute for High Temperatures of RAS, Moscow, Russia)

The role of compression waves in transient combustion regimes

11⁰⁰ – 11²⁰ *Coffee Break*

Session 10.

Combustion and detonation I

Chairperson: Frolov S.M.

11²⁰ – 12¹⁰

Keynote Lecture

O.G. Penyazkov

(A.V. Luikov Heat and Mass Transfer Institute of the National Academy of Sciences of Belarus, Republic of Belarus)

Researches of combustion and detonation in A.V. Luikov Heat and Mass Transfer Institute of the National Academy of Sciences of Belarus

12¹⁰ – 12³⁰

M.S. Assad, O.G. Penyazkov, K.L. Sevrouk

(A.V. Luikov Heat and Mass Transfer Institute of the National Academy of Sciences of Belarus, Republic of Belarus)

Deflagration-to-detonation transition in oxygen-diluted heptane / air mixtures in a pulsed combustor

12³⁰ – 12⁵⁰

F.A. Bykovskii, S.A. Zhdan, E.F. Vedernikov, A.N. Samsonov, and A.S. Zintsova

(Lavrentyev Institute of Hydrodynamics, Novosibirsk, Russia)

Continuous spin detonation of a hydrogen-oxygen mixture in a plane-radial combustor

12⁵⁰ – 14⁰⁰ *Lunch*

14⁰⁰ – 19⁰⁰ *Excursion*

Thursday, [October 9, 2014](#)

Session 11.

Combustion and Detonation II

Chairperson: Ivanov M.F.

9³⁰ – 10²⁰

Keynote Lecture

S.A. Zhdan, A. Bykovskii, E.F. Vedernikov and A.N. Samsonov

(Lavrentyev Institute of Hydrodynamics, Novosibirsk, Russia)

Combustion of syngas–air mixtures in the continuous detonation regime

10²⁰ – 10⁴⁰

Babushenko D.I., Kopchenov V.I., Kazarin P.S., Titova N.S., Starik A.M.
(Central Institute of Aviation Motors, Moscow, Russia)

Numerical analysis of characteristics of hydrogen-fueled model combustor with rotating detonation wave

10⁴⁰ – 11⁰⁰

P.N. Krivosheyev, V.V. Leschevich, O.G. Penyazkov, S.Yu. Shimchenko
(A.V. Luikov Heat and Mass Transfer Institute, Minsk, Belarus)

High speed imaging of premature ignition in RCM

11⁰⁰ – 11²⁰ *Coffee Break*

Session 12.

Combustion and Detonation III

Chairperson: Molkov V.

11²⁰ – 11⁴⁰

Khvostov A.V., Babushenko D.I., Sobur A.L., Kopchenov V.I.
(Central Institute of Aviation Motors, Moscow, Russia)

Features of shock-induced combustion and detonation wave formation in hydrogen-air mixtures.

11⁴⁰ – 12⁰⁰

Kozlov V.E., Titova N.S., Starik A.M.
(Central Institute of Aviation Motors, Moscow, Russia)

Modeling study of combustion processes in internal combustion engine operating on different gaseous fuels

12⁰⁰ – 12²⁰

Simonov E.V.
(Lavrentyev Institute of Hydrodynamics, Novosibirsk, Russia)

Numerical modeling of continuous detonation in the regime of ejection of the oxidizer

12²⁰ – 12⁴⁰

M.F. Ivanov, A.D. Kiverin, A.E. Smygalina
(Joint Institute for High Temperatures of RAS, Moscow, Russia)

Combustion Regimes of Hydrogen-Based Mixtures in Gas-Fueled Reciprocating Engines

12⁴⁰ – 14⁰⁰ *Lunch*

Session 13.

Combustion and Detonation IV

Chairperson: S.A. Zhdan

14⁰⁰ – 14⁵⁰

Keynote Lecture

V. Molkov

(Hydrogen Safety Engineering and Research Centre (HySAFER), University of Ulster, Newtownabbey, Northern Ireland, UK)

Hydrogen safety: the state-of-the-art and future tasks

14⁵⁰ – 15¹⁰

B. Veyssiere¹, B. A. Khasainov², C. A. Sturtzer², M. O. Sturtzer², F. Viro¹
(¹Institut PPRIME P', ENSMA, Futuroscope, France, ²King Abdullah University of Science and Technology, Saudi Arabia)

Initiation of detonation in aluminium–oxygen suspensions

15¹⁰ – 15³⁰

Arkhipov V., Zarko V., Kiskin A., Yankovskiy S.
(National Research Tomsk Polytechnic University, Energy Institute, Tomsk, Russia)

The measurement of specific impulse of the solid rocket propellants

15³⁰ – 15⁵⁰

Titova N.S., Starik A.M.
(Central Institute of Aviation Motors, Moscow, Russia)

Kinetic features of combustion of different hydrocarbon fuels in HCCI engine

15⁵⁰ – 16¹⁰

A.M. Sipatov, T.V. Abramchuk, L.Yu. Gomzikov, M.S. Khryashchikov, A.I. Bulatov, A.Yu. Pleskan
(OJSC “Aiadvigatel”)

Study of Nitrogen Oxides Formation in a Combustion System of a Turbofan Engine of the Next Generation, and Optimization of Combustor Performance through Computations and Experiments

16¹⁰ – 16³⁰

Aksenov V. S., Frolov S. M., Ivanov V. S., Shamshin I. O.
(N. Semenov Institute of Chemical Physics, Russian Academy of Sciences, Moscow, Russia)

Experimental studies of a liquid propane – air pulse-detonation engine

19⁰⁰ – 23⁰⁰ *Banquet*

Friday, October 10, 2014

Session 14.

Plasma and laser assisted combustion I

Chairperson: Starik A.M.

9²⁰ – 9⁴⁰

V. V. Naumov¹, N.S. Titova², A.M. Starik²
(¹Institute of Physics NASU, Kiev, Ukraine; ²Central Institute of Aviation Motors, Moscow, Russia)

Fuel reforming by low-temperature plasma: toward obtaining hydrogen-rich syngas.

9⁴⁰ – 10⁰⁰

A.A. Firsov¹, D.A. Yarantsev¹, S.B. Leonov²
(¹JIHT RAS, Moscow, 125412, Russia; ²Ohio State University, Columbus, OH 43210, USA)

Numerical Simulation of Ethylene Combustion in Supersonic Flow

10⁰⁰ – 10²⁰

Arsentiev I.V.¹, Naumov V.V.², Zhovtyansky A.V.³, Starik A.M.¹

(¹ Central Institute of Aviation Motors, Moscow, Russia; ²Gas Research Institute, National Academy of Sciences of Ukraine, Kiev, Ukraine; ³Institute of Physics, National Academy of Sciences of Ukraine, Kiev, Ukraine)

Nonequilibrium processes of NO_x formation in the plasma-assisted waste gasification: modeling study

10²⁰ – 10⁴⁰

Titova N.S., Kozlov V.E., Starik A.M.

(Central Institute of Aviation Motors, Moscow, Russia)

Modeling study of combustion enhancement in HCCI engine due to laser-induced excitation of oxygen molecules.

10⁴⁰ – 11⁰⁰ *Coffee Break*

Session 15.

Non-equilibrium processes in plasma and atmosphere

Chairperson: Naumov V.V.

11⁰⁰ – 11²⁰

M. Saltik

(Sakarya University, Turkey)

Investigation of electromagnetic phenomena predicting earthquake

11²⁰ – 11⁴⁰

M. Bakhtiyari-Ramezani¹, J. Mahmoodi², N. Alinejad¹

(¹ Plasma Physics and Nuclear Fusion Research School, Nuclear Science and Technology Research Institute (NSTRI), Postal Code: 14395-836, Tehran, Iran; ²Department of Physics, Faculty of Science, Qom University, Qom, Iran)

Effect of H-Dust Surface Interaction on Supra-Thermal Rotation of Dust in Plasma

11⁴⁰ – 12⁰⁰

Savel'ev A.M., Starik A.M.

(Central Institute of Aviation Motors, Moscow, Russia)

Ion-induced nucleation in the formation of sulfate aerosols in the aircraft plume

12⁰⁰ – 12²⁰

Khodataev K.V.

(OAO " Moscow RadioTechnical Institute RAS", Moscow, Russia)

Human Activity and Earth Atmosphere

12²⁰ – 13³⁰

Panel Discussion

Novel challenges in combustion and aerodynamic control

Closing the Symposium

13³⁰ – 14³⁰ *Lunch*

COMMITTEES

ORGANIZING COMMITTEE

Favorskii O.N.	(Russia)	co-chair
Roy G. D.	(USA)	co-chair
Starik A. M.	(Russia)	co-chair
Frolov S. M.	(Russia)	co-chair

INTERNATIONAL ADVISORY COMMITTEE

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LOCAL ORGANIZING COMMITTEE

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