

UTC +4	30 June, Tuesday	UTC +4	1 July, Wednesday	UTC +4	2 July, Thursday	UTC +4	3 July, Friday	UTC +4	4 July, Saturday
9:00-9:25	Registration								
9:30-9:50	Opening remark	9:30-10:10	Nickolay Smirnov (MSU) «System Effect of Obstacles and Inhibitors on the Deflagration-to-Detonation Transition in Hydrogen-Air Mixtures» PLENARY	9:30-10:10	Gleb Fedoseev (XAO, CAS, China) – «Surface Chemistry of Interstellar Carbon Chains» online	9:30-10:10	Leonid Fershtat (N.D. Zelinsky IOC RAS) – «Nitrogen Heterocycles as a Versatile Platform for the Construction of Energetic Materials» PLENARY	9:30-10:10	Excursion to Shiryaev village (9:45-15:45) is not include in the conference fee Departure to River Station to 9:45 Arrival to Samara 15:45
9:50-10:30	Vyacheslav Bykov (KIT, Germany) – «Mechanisms of chemical kinetics in combustion – modelling and model reduction» PLENARY	10:15-10:55	Sergey Matveev (Samara University) – «Polycyclic aromatic hydrocarbons: issues of formation and emission in the exhaust gases of engines and power plants» PLENARY	10:15-10:55	Vyacheslav Tugaenko (S.P. Korolev Rocket and Space Corporation "Energia") – «Formation of Complex Structures During the Passage of Cosmic Bodies Through the Atmosphere» PLENARY	10:15-10:55	Vitaly Kiselev (NSU) – «Quantum chemical kinetics of combustion and atmospheric reactions» PLENARY	10:15-10:55	
10:35-11:15	Alexander Eremin (JIHT RAS) – «Kinetic methods for controlling the ignition of combustible mixtures behind shock waves» PLENARY	11:00-11:20	Leonid Chikishev (IT SB RAS) – «On the effect of a weak DC electric field on a Bunsen flame» Invited	11:00-11:20	Dmitri Wiebe (INASAN) – «Complex organics in cold molecular clouds: more atoms, less understanding» Invited	11:00-11:20	Pavel Yatsenko (JIHT RAS, ICKC SB RAS) – «A shock tube study of NH ₃ pyrolysis under strong Ar dilution»	11:00-11:20	
11:20-11:35	Coffee break	11:25-11:40	Coffee break	11:25-11:40	Coffee break	11:25-11:40	Ivan Antonov (SB LPI, Samara University) – «Hypergolic ignition in acoustic levitator» Invited	11:25-11:40	
11:40-12:00	Egor Khodyko (JIHT RAS) – «Study of the soot growth process in a flame using the LIF method»	11:45-12:05	Alina Ponomareva (LPI) – «Thermal radiation characteristics of a cylindrical hybrid porous-microchannel counterflow burner»	11:45-12:05	Maria Murga (INASAN) – «The history of carbonaceous grains in the Universe from cosmic dawn to the present day» Invited	11:45-12:05	Valery Azyazov (SB LPI) closing remark	11:45-12:05	
12:05-12:25	Anastasia Moroshkina (LPI) – «Investigation of the methane-air flame oscillations by 2D LIF method»	12:10-12:30	Maxim Tsvetkov (FRC PCPMC RAS) – «Thermodynamic evaluation of conditions for the Fe(III) oxide reduction during downdraft gasification of coal mixed with lean ores»	12:10-12:30	Ekaterina Shiryayeva (MSU) – «Spectroscopy of products of radiation-induced transformations of isolated dimethyl ether molecules in low-temperature matrices» Invited	12:10-12:30		12:10-12:30	
12:30-12:50	Vladimir Kislov (FRC PCPMC RAS) – «Sulfur absorption during thermal disposal of acid tar and bitumen»	12:35-13:15	Sergey Yakush (IPMech RAS) – «Dynamics and statistical features of premixed flame propagation in narrow gaps» PLENARY	12:35-12:55	Alexander Shevchenko (SB LPI, SamGTU, UrFU) – «Screening of polycyclic aromatic hydrocarbons with sp- and sp ² -hybrid carbon atoms and analysis of their properties» Invited	12:30-13:00	Coffee break	12:30-13:10	
12:55-13:15	Igor Zinchenko (IAP RAS) – «New methanol maser lines related to episodic accretion on a massive protostar» Invited			13:00-13:20	Anton Vasyunin (UrFU) – «Interstellar Ices Around Protostars: Chemical Composition and Spatial Distribution» Invited				
13:20-14:25	Lunch 13:20-14:25	13:20-14:25	Lunch 13:20-14:25	13:25-14:30	Lunch 13:25-14:30	13:10-13:30	Departure to Samara University, Moskovskoe shosse	13:15-13:35	
14:30-14:50	Vladislav Matyushkov (ICKC SB RAS) – «The effect of hydrocarbons and oxygenates addition on kinetics of ammonia oxidation»	14:30-14:50	Konstantin Khvostochenko (LPI) – «Development of a reduced combustion model for rich hydrogen-air mixtures»	14:35-14:55	Vladimir Gubernov (LPI) – «Diffusion-thermal instabilities: from non-linear models to a methodology for verifying combustion reaction mechanisms» Invited	14:30-14:40	Excursion to the Aircraft Engine History Center (Samara University) + Scientific Research Laboratory "Combustion physics and chemistry"	14:25-14:40	
14:50-15:10	Sergey Matveev (Samara University) – «Hydrogen-Enriched Fuels for Gas Turbine Combustors: Stability, Emissions, and Burner Design»	14:55-15:15	Iakov Medvedkov (SB LPI, Samara University) – «Unexplored HACA pathway: acetylene trimerization on phenyl radical» Invited	15:00-15:20	Yulia Titova (SamGTU) – «Self-propagating high-temperature synthesis of highly dispersed ceramic nitride-carbide composition based on SiC using sodium azide and polytetrafluoroethylene»	14:45-15:05		14:45-15:05	
15:10-15:30	Vladislav Rogoveshko (ICKC SB RAS) – Supramolecular Double Spin-Flip Transition in van der Waals Complexes of Isoprene with Oxygen as a Source of Singlet Oxygen O ₂ (1Δg)	15:20-15:40	Departure to River Station 15:20	15:25-15:45	Vasily Rogozhnikov (LPI) – «Investigation of flat burner flame 2D structure by studying absolute OH concentrations utilizing saturated laser-induced fluorescence»	15:10-15:30		15:10-15:30	
15:30-15:50	Maria Gagonova (MSU) – «Radiation-induced transformations of benzonitrile in cryogenic matrices»			15:50-16:05	Coffee break	15:35-16:10		15:35-16:10	
15:55-16:10	Coffee break	15:50-16:30	15:40 Boarding						
16:15-16:35	Nikita Bystrov (JIHT RAS) – «Study of kinetics of high temperature oxidation of basic furan compounds under high-dilute conditions - furan and tetrahydrofuran»		16:00 - 21:00 Ferry trip along the Volga River	16:10-16:50	Denis Knyazkov (ICKC SB RAS) – «Mass spectrometric and numerical study of formation of positive and negative ions in flames» PLENARY	16:15-16:50		16:15-16:50	
16:35-16:55	Evgeny Serechenko (LPI) – «Numerical and experimental investigation of performance of thermoelectric generator based on porous counter-flow burner with passive air cooling»	16:35-16:55		16:55-17:35	Alexey Kuznetsov (UTFSM, Chile) «Computational design of novel building blocks for nanotechnology based on complexes of core-modified (metallo)porphyrins with different species» online	16:55-17:35		16:55-17:35	
16:55-17:35	Alexander Mebel (FIU, USA) – «From PAH to fullerenes: Closing a nano bowl with a nano lid» online	17:00-19:10		17:40-19:10		17:40-19:10		17:40-19:10	
17:40-19:10	Poster								