

**PROCESS INTENSIFICATION IN CHEMISTRY, PETROCHEMISTRY AND OIL REFINING**

September, 18-19th, 2017, St. Petersburg, Russia

*Scientific program*

	<b>September, 18th</b> ( <i>hotel "Ambassador", conference-hall "Orion"</i> )
<b>9:00</b>	<b>Registration</b>
<b>9:30</b>	<b>Opening session</b>
	Chairmen: A.V. Garabadzhiu, D.Yu. Murzin, N.V. Kuzichkin, A.Yu. Postnov
<b>10:00</b>	<i>Sustainable chemical process synthesis, design and intensification,</i> Prof. R. Gani, Technical University of Denmark, Lyngby, Denmark
<b>10:40</b>	<i>The main intensification approaches and heuristic optimization methods in energy saving chemical-technological systems and logistics of oil and petrochemical companies,</i> Academician of RAS, Prof. V.P. Meshalkin, D.Mendeleev University of Chemical Technology of Russia, Moscow
<b>11:20</b>	<b>Coffee break</b>
<b>11:40</b>	<i>Hydroprocesses using catalysts dispersed in reaction media,</i> Prof. A.L. Maximov, A.V. Topchiev Institute of Petrochemical Synthesis, Moscow
<b>12:20</b>	<i>Intensification of membrane processes in gas separation and purification,</i> Prof. V.M. Vorotynev, R.E. Alekseev NSTU, Nizhny Novgorod
<b>13:00</b>	<b>Lunch</b>
<b>14:00</b>	<i>Process intensification by ultrasound and microwaves,</i> Prof. T. Salmi, Åbo Akademi University, Turku, Finland
<b>14:30</b>	<i>Intensification of heterogeneous processes in microstructured reactors,</i> Prof. V.P. Reschetilowski, Technical University Dresden, Germany
<b>15:00</b>	<i>Research and design of modern catalysts for hydrocarbons' hydrotreatment,</i> Dr. Sc. P.A. Nikulshin, VNII NP, Moscow
<b>15:30</b>	<b>Coffee break</b>
<b>16:00</b>	<i>Thermodynamically consistent kinetic models for modelling of complicated oil processing processes. Case study: naphtha reforming modelling,</i> Prof. A.N. Zagoruiko, Borekov Institute of Catalysis SB RAS, Novosibirsk
<b>16:30</b>	<i>Process intensification by pulsations in chemical engineering: some general principles and implementation,</i> Prof. R.S. Abiev, SPSIT, St. Petersburg
<b>16:50</b>	<i>Reforming of naphtha on Pt / zeolite-containing catalysts,</i> Dr. V.A. Salnikov, NPF "OLKAT", St. Petersburg
<b>17:10</b>	<i>Approaches to process intensification in isobutane alkylation using solid catalysts,</i> Ass. Prof. D.A. Sladkovsky, SPSIT, St. Petersburg
<b>17:30</b>	<i>Towards low-tonnage technology for motor fuels components production,</i> PhD student E.A. Dorofeeva, SPSIT, St. Petersburg
<b>17:45</b>	<i>Dehydrogenation of isobutane on supported Ga and Cr-containing catalysts,</i> PhD student A.N. Matveeva, SPSIT, St. Petersburg
	<b>September, 19th</b>
<b>9:00</b>	<b>Registration</b>
	<b>Morning session</b> ( <i>hotel "Ambassador", conference-hall "Orion"</i> )
<b>10:00</b>	<i>The peculiarities of heterogeneous catalytic processes realized in supercritical fluids,</i> Prof. O.N. Martyanov, Borekov Institute of Catalysis SB RAS, Novosibirsk
<b>10:40</b>	<i>A Nature-inspired approach to process intensification: Avenues to scalability, efficiency and robustness,</i> Prof. M.-O. Coppens, University College London, Great Britain
<b>11:20</b>	<b>Coffee break</b>
<b>11:40</b>	<i>Structured reactors and catalysts, excellent tools in process intensification,</i> Prof. J. Moulijn, Delft University of Technology, the Netherlands
<b>12:20</b>	<i>Batch or continuous processes for fine chemicals: a chemical engineering perspective,</i> Dr. R.-M. Nicoud, Ypso-Facto, Nancy, France
<b>13:00</b>	<b>Lunch</b>
	<b>Afternoon session</b> ( <i>SPSIT, Laboratory of Catalytic Technologies</i> )
<b>14:30 - 16:30</b>	Poster session