



XIX International Conference on Chemical Reactors CHEMREACTOR-19

September 5–9, 2010

Vienna, Austria

Boreskov Institute of Catalysis, pr. Akademika Lavrentieva, 5, 630090 Novosibirsk, Russia
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First Announcement and Call for Papers

<http://conf.nsc.ru/CR-19-2010>

We are pleased to announce **XIX International Conference on Chemical Reactors "CHEMREACTOR-19"** to be held on September 5-9, 2010 in Vienna, Austria

EFCE conference

The International Conference on Chemical Reactors CHEMREACTOR provides a forum for presentations and debate on the latest advances in theory and practice of chemical technology. The conference continues a series of meetings that are held biennially. The last CHEMREACTOR conference took place at Malta in 2008. Chemreactor-19 is traditionally devoted to the fundamental aspects and practical application of the catalytic processes and chemical reactors, as well as to the development of the novel modern technologies.

It is our pleasure to announce that the Organizing Committee has launched a continual Honorary Plenary Lecture dedicated to Professor Mikhail Slin'ko, a CHEMREACTOR-conference founder, who passed away in 2008

THE CONFERENCE ORGANIZERS

- Boreskov Institute of Catalysis of the Siberian Branch of the Russian Academy of Sciences, Novosibirsk, Russia
- Russian Scientific and Cultural Center in Vienna, Austria
- Federal Agency «Rossotrudnichestvo», Moscow, Russia
- Ministry of Education and Science of the Russian Federation
- European Federation on Chemical Engineering
- Scientific Council on Theoretical Fundamentals of Chemical Technology RAS
- Scientific Council on Catalysis RAS

INTERNATIONAL SCIENTIFIC COMMITTEE

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Andrey Zagoruiko	Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia

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Alexey A. Spiridonov	Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia
Tatiana V. Zamulina, Secretary	Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia

SCIENTIFIC PROGRAM

The conference is assumed to comprise plenary lectures (1 hour), key-note presentations (30 minutes, to be selected from the abstracts submitted), oral presentations (20 minutes) and posters focusing on the following topics:

- ♦ **Advances in Chemical Reactors Fundamentals:**
 - Chemical Reactions Kinetics
 - Fundamentals of Chemical Reactors Simulation
 - Heat & Mass Transfer in Chemical Reactors
 - Hydrodynamics and CFD Studies in Chemical Reactors
- ♦ **Chemical Reaction Engineering and Reactors Design – Novel Approaches, Modeling, Scale-Up, Optimization:**
 - New Designs of Chemical Reactors (Membrane Reactors, Microreactors, Structured Reactors etc)
 - Novel Approaches in Chemical Reaction Processes Engineering (Unsteady-state and Transient Processes, Reverse-flow Operation, Sorption-Enhanced Reaction Processes, Multifunctional Reactors, Reaction-Separation Processes etc)
- ♦ **Chemical Reactors and Technologies for Emerging Applications:**
 - Processing of Biomass and Renewable Feedstocks
 - Environmental Protection and Utilization of Wastes
 - Production of Hydrogen and Green Fuels
 - Advanced Processing of Natural Gas and Oil

LANGUAGE

The official language of the conference is English.

LIST OF INVITED SPEAKERS

The following eminent scientists have accepted an offer to give invited lectures at CHEMREACTOR-19:

Professor Mike P. Duduković, Washington University, USA; **Professor Dr. Ir. Jaap C. Schouten**, Eindhoven University of Technology, The Netherlands; **Dr. Hugh Stitt**, Johnson Matthey Catalysts, UK; **Professor Vladimir A. Likholobov**, Institute of Hydrocarbons Processing SB RAS, Russia.

Professor Yurii Matros (Matros Technologies, Inc., USA) will present the *Honorary Plenary Lecture dedicated to Professor Mikhail Slin'ko*.

ABSTRACTS SUBMISSION

Participants wishing to submit a paper for either oral or poster presentations are invited to send a two-page abstract by **February 15, 2010**. Abstracts should be sent via E-mail **zam@catalysis.ru** or through Web site **as an attached Word file** (the name of the file should be defined as the Last name of the presenting author). Guidelines for oral and poster presentations will be given to speakers with notification of acceptance.

To provide a uniform appearance, we would appreciate your cooperation in following the next rules (template is available at the conference site):

Title: Arial, 14 pt, capital, bold, centered

Authors (please underline the presenting author): Arial, 12 pt, bold, centered

Affiliation (including E-mail of the presenting author): Arial, 12 pt, italic, centered

Text: Arial, 12 pt, 1.5 line space, justified, 2.5 cm margins A4 paper

Headings: Arial, 12 pt, bold

References: Arial, 10 pt

- **Deadline for the abstracts submission – February 15, 2010**
- **Acceptance notification – March 30, 2010**

PUBLICATION OPPORTUNITIES

All accepted abstracts will be published in the CD-Book of abstracts distributed to all the participants. A Special Issue of the ***Chemical Engineering Journal*** (Elsevier) with double-refereed selected conference proceedings will be published after the event. Only papers presented at the conference will be considered for publication.

EXHIBITION & SPONSORSHIP

We invite companies to sponsor the event or take part in the exhibition. If you are interested in such opportunity, please contact the Organizing Committee.

REGISTRATION

To register for the conference, please, fill in the Application form on Web site <http://conf.nsc.ru/CR-19-2010>, give the title of the presentation and send the abstract. Please indicate the preferred topic and the form of presentation (oral, poster).

LOCATION

There is no need to introduce the capital of Austria, beautiful city of Vienna. It carefully keeps its traditions and cultural treasures. The city has managed to safe a lot of its ancient appearance and unique ambiance. Vienna is located at the footsteps of the Alps, on the banks of Danube River. It's a city of luxurious palaces, picturesque streets and cozy squares, waltz and refined and beautiful parks. A mix of the antique and modern, it's a city of artists and art-lovers. Vienna boasts its musicians and composers, and a lot of monuments devoted to them still adorn the city. And, sure, one will be charmed by Fairy tales of the Viennese wood, marvelous symbol of Vienna.

REGISTRATION FEE

The registration fee is expected to be **580 Euro** for each registered participant of the Conference with reduced (**350 Euro**) rate for students. Registration fee includes all conference documentation and materials, Welcome reception, lunches, refreshments, excursions. The details of the payment will be given in the Second Announcement.

IMPORTANT CONFERENCE DEADLINES

February 15, 2010	Submission of abstracts and application forms
March 30, 2010	Acceptance notification, distribution of the Second Announcement
June 15, 2010	Distribution of the preliminary program
July 15, 2010	Confirmation of participation, fee payment
August 15, 2010	Distribution of the final program
September 5, 2010	On site Registration
September 6, 2010	Conference starts

For details, please, contact:

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