

**First Announcement  
INVITATION**



October 22-25, 2012  
St. Petersburg, Russia

# IX International Conference Mechanisms of Catalytic Reactions

<http://conf.nsc.ru/MCR-IX/en/>

**Dear Colleague,**

**We are pleased to invite you to participate in the IX International Conference "Mechanisms of Catalytic Reactions". The Conference is organized under the auspices of the European Federation of Catalysis Societies (EFCATS). The Conference will take place in St. Petersburg, Russia, on October 22-25, 2012.**

The IX Conference "Mechanisms of Catalytic Reactions" follows an established tradition, with previous meetings held in Moscow (1974, 1979, 1986, 1990, 2002), Saint Petersburg (2006), and Novosibirsk (1982, 2009). Since 2009, conferences of this series have a status of regular international events held every three years. The IX Conference addresses challenging problems of catalysis and physical chemistry and welcomes researchers from across the globe, working in all fields of catalysis. The venue (Saint Petersburg is reputed the cultural capital of Russia) and an exclusive social program will allow further opportunities for productive communication.

**Chairmen:**

**Valentin N. Parmon,**  
Boreskov Institute of Catalysis

**Valery V. Lunin,**  
Lomonosov Moscow State University



## CONFERENCE ORGANIZERS

- Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia
- Lomonosov Moscow State University, Moscow, Russia
- Zelinsky Institute of Organic Chemistry, RAS, Moscow, Russia
- Scientific Council on Catalysis RAS, Moscow, Russia
- St. Petersburg Scientific Center RAS, St. Petersburg

*Multi Gala Tours Ltd. is the Official Conference service operator.*

## INTERNATIONAL ADVISORY BOARD

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**Wataru Ueda,** Catalysis Research Center, Hokkaido University,  
Sapporo, Japan

**Bert Weckhuysen,** Netherlands Institute for Catalysis Research,  
Utrecht, The Netherlands

**Information Support, Journals:** «Kinetics and Catalysis», «Catalysis in Industry», «Supercritical Fluids: Theory and Practice»

## SCIENTIFIC COMMITTEE

### Chairman:

<b>V. I. Bukhtiyarov</b>	<i>Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia</i>
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<b>A. Yu. Stakheev</b>	<i>Zelinsky Institute of Organic Chemistry, RAS, Moscow, Russia</i>

## ORGANIZING COMMITTEE

### Chairman:

<b>V. I. Bukhtiyarov</b>	<i>Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia</i>
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### Secretariat:

<b>L. Ya. Startseva</b>	<i>Boreskov Institute of Catalysis, SB RAS, Novosibirsk, Russia</i>
<b>I. Yu. Mutas</b>	<i>Boreskov Institute of Catalysis, SB RAS, Novosibirsk, Russia</i>

### Members:

<b>A. K. Khudoroshkov, E. A. Kozlova, N. S. Krylova</b>	<i>Boreskov Institute of Catalysis, SB RAS, Novosibirsk, Russia</i>
<b>G. V. Kozlov</b>	<i>Saint-Petersburg State Institute of Technology, St. Petersburg, Russia</i>
<b>T. F. Pimenova, E.A. Tropp</b>	<i>St. Petersburg Scientific Center RAS, St. Petersburg</i>
<b>O. V. Turova</b>	<i>Zelinsky Institute of Organic Chemistry, RAS, Moscow, Russia</i>

## SCIENTIFIC PROGRAM

International Conferences “Mechanisms of Catalytic Reactions” have a status of a regular international conference devoted to challenging problems of modern physical chemistry and catalysis. Topics of the IX Conference will be:

- I.** Catalysis: from first principles
- II.** Mechanisms of homogeneous catalysis
- III.** Mechanisms of heterogeneous catalysis
- IV.** Catalytic processing of renewables
- V.** Electrocatalysis, photocatalysis, biocatalysis

Scientific Program of the IX Conference will offer 5 invited plenary lectures (40 min) and 7 invited keynote lectures (30 min). Oral presentations (20 min) and oral presentations of young scientists (10 min) will be scheduled in 2 parallel sessions. The Conference Program also will include poster presentations.

**English will be the official language of the Conference.**

## PLENARY AND KEYNOTE LECTURERS

Leading scientists have accepted the invitation of the Organizing Committee to give plenary and keynote lectures:

### PLENARY LECTURERS

<b>Prof. Alexis T. Bell</b>	<i>University of California, Berkeley, USA</i>
<b>Prof. Valery V. Fokin</b>	<i>Scripps Research Institute, California, USA</i>
<b>Dr. Evgenii Kondratenko</b>	<i>Leibniz Institute for Catalysis, Rostok, Germany</i>
<b>Prof. Valentin N. Parmon</b>	<i>Boreskov Institute of Catalysis, Novosibirsk, Russia</i>
<b>Prof. Lawrence Que, Jr.</b>	<i>University of Minnesota, Minnesota, USA</i>

### KEYNOTE LECTURERS

<b>Prof. Valentine P. Ananikov</b>	<i>Zelinsky Institute of Organic Chemistry, RAS, Moscow, Russia</i>
<b>Prof. Dmitry Yu. Murzin</b>	<i>Åbo Akademi University, Turku, Finland</i>
<b>Prof. Konstantin M. Neyman</b>	<i>University of Barcelona, Barcelona, Spain</i>
<b>Prof. Emrah Özensoy</b>	<i>Bilkent University, Ankara, Turkey</i>
<b>Prof. Günther Rupprechter</b>	<i>Vienna University of Technology, Vienna, Austria</i>
<b>Prof. Miquel Costas Salgueiro</b>	<i>University of Girona, Girona, Spain</i>
<b>Prof. Evgenii P. Talsi</b>	<i>Boreskov Institute of Catalysis, Novosibirsk, Russia</i>

## SPONSORSHIP & EXHIBITION

The Organizing Committee invites producers and distributors of analytical equipment for catalyst testing, characterization of catalysts, supports and porous materials, as well as of scientific instruments and solutions for molecular and materials research to advertise their products to participants of the Conference. Companies exploiting catalysts and catalytic technologies for producing goods for everyday use and wellbeing are also welcome. Forms of the presentations are as follows: publication of advertisements in the Conference proceedings, oral or poster presentation of companies, etc. **The Organizing Committee also invites companies and institutes to take part in the exhibition of books, booklets and advertising materials.** Please contact the Organizing Committee (e-mail: [star@catalysis.ru](mailto:star@catalysis.ru)) if your organization is interested in sponsoring the event.

## CONFERENCE PUBLICATIONS

The final scientific program-brochure and compact disk with the abstracts of all lectures, oral and poster presentations will be available at the registration desk.

To provide timely printing of the booklet with the Scientific Program, authors of plenary, keynote and oral presentations are asked to send annotations of their lectures (not exceeding 4-6 lines, A5, single spacing) to the Secretariat: Lyudmila Ya. Startseva, [star@catalysis.ru](mailto:star@catalysis.ru) before September, 1.

## CALL FOR PAPERS

Authors of all contributions are invited to submit one-two-pages, A4, abstracts in English. Abstracts should begin with the title, Author names and affiliations as well as the e-mail address of the presenting Author. Please use Times New Roman 12 pt., line distance 1.5.

Abstract Template is available on the website: <http://conf.nsc.ru/MCR-IX/en/>

Authors are requested to send their abstracts by via conference Web site or e-mail: [star@catalysis.ru](mailto:star@catalysis.ru) by April 20, 2012.

**Preliminary registration for participation in the Conference is available at the website <http://conf.nsc.ru/MCR-IX/en/> till April 20, 2012.**

## VENUE

St. Petersburg was founded by Peter the Great in the delta of the Neva River in 1703. Today, St. Petersburg is among the most beautiful cities loved and often visited by tourists. There are nearly 50 museums in St. Petersburg, wonderful gardens and parks, famous suburbs. Many museums are world known due to their rich collections of art treasures.



The Conference will take place in the Azimut\*\*\* Hotel on October 22-25, 2012. The Hotel is located in one of the most beautiful areas of St. Petersburg, (Lermontovskii prosp., 43/1; [http://www.azimuthotels.ru/en/hotels/st\\_peterburg/about\\_hotel/](http://www.azimuthotels.ru/en/hotels/st_peterburg/about_hotel/)).



The Hotel is situated close to the heart of the city with all its attractions within easy reach. The Hotel is located just in 10 minutes on foot from Metro stations "Baltiyskaya", "Tekhnologicheskyy institut" and at a driving distance of 30 minutes from airports Pulkovo-1 and Pulkovo-2.

There are multifunctional conference rooms accommodating up to 200 persons with Internet access in the hotel.

## Accommodation and meals

Accommodation is arranged by Multi Gala Tours Ltd. at the Hotel Azimut\*\*\* at special rates strongly reduced for the Conference participants from 21<sup>st</sup> to 26<sup>th</sup> October, 2012. The Hotel offers 897 rooms equipped with comfortable furniture, satellite TV, and free Internet access. The price includes buffet breakfast and VAT 18% (1 Euro is about 40 Rubles):

STANDARD	Single	2750 RUB	≈ 68.7 EURO
	Twin/Double	3300 RUB	≈ 82.5 EURO
BUSINESS	Single	3800 RUB	≈ 95 EURO
	Twin/Double	4300 RUB	≈ 107.5 EURO

Check in: 2.00 p.m., Check out: 12.00 a.m.

Hotel rooms:

[http://www.azimuthotels.ru/en/hotels/st\\_peterburg/rooms/](http://www.azimuthotels.ru/en/hotels/st_peterburg/rooms/)

The Organizing Committee will reserve rooms for post-graduates and students at the hostel of the Saint-Petersburg State Institute of Technology.

**Lunches and coffee breaks will be provided at the restaurant of the hotel.**

## Transportation

Shuttle bus transportation "Airport Pulkovo - Hotel Azimut" during arrival day, October 21, will be provided.

## REGISTRATION FEE

The registration fee is 400 Euro for participant, 150 Euro for post-graduates, students and 200 Euro for accompanying persons. The fee covers registration for the conference, editorial expenditures, delegate bag, auditorium rent, coffee-breaks beverages, 4 lunches, Welcome Party, transfer Airport-Hotel, 2 excursions.

**Young scientists:** several student grants will be available.



## ENTRY VISA

In order to obtain entry visa to Russia, foreign participants should have official “Invitation to Russia”. Participants will receive the details and all necessary forms with Circular 2.

## SOCIAL PROGRAM

The participants will be invited to the Welcome Reception on October 22. The Banquet will be held on October 24.

### Excursions to the State Hermitage and St. Isaac's Cathedral will be organized for the participants.

*The Hermitage Museum* is the largest art gallery in Russia and is among the largest and most respected art museums in the world. During 240 years of its existence the museum accumulated a collection of almost three million exhibits, including significant art collections of Ancient East, Ancient Greece and Rome, Islamic arts, Italian Renaissance, XIX—XX centuries paintings, etc.

*St. Isaac's Cathedral* is the forth largest domed cathedral in the world, after the Cathedral of St. Peter in Rome, the Cathedral of St. Paul in London and the Cathedral of St. Maria in Florence. More that 150 paintings, mosaic works and 300 sculptures made by well-known Russian painters and sculptors decorate the interior of the Cathedral.

**The participants and guests will also be offered some optional excursions.**

**1 day post-tour-I “Peterhof-Oranienbaum”** *Peterhof* is a jewel of the Russian art, a town of parks, palaces and fountains. In the past it used to be an exquisite summer residence of the Russian tsars. The Upper and the Lower Parks are the masterpieces of art of gardening numbering over 170 fountains, 5 monumental cascades. In August 2000, after a 60-years break the second largest cascade Lviny was opened. On the territory of the reserve there are 9 working museums: the Grand Peterhof Palace, Monplaisir, Catherine's Block, Marli, Hermitage, Saint-Alexander Nevsky Church, the Benois family museum, Cottage and the Bath block with newly restored rooms and kitchen. Excursion to Peterson is often enlarged with the excursion to Oranienbaum, which is 15 minutes by car from Peterhof.

The architectural and landscape complex of *Oranienbaum* is a unique palace and park ensemble of the 18th – early 20th century, which survived World War II in its historic condition. The palaces-museums of Oranienbaum are located in the territory of the Upper Landscape Park and the Lower Regular Garden with the total area of 162 hectares. Its structure includes three architectural ensembles, reflecting the history of this estate throughout the 18th century.

**1 day post-tour-II “Great Novgorod”** The Old Russian town *Veliky Novgorod* (Great Novgorod) is situated close to St. Petersburg, just about 180 km (112 miles) from it. And simultaneously you'll travel in time. Great Novgorod is known as the most ancient town in Russia, since its history has begun about 12 centuries ago and the whole novgorodian land is the oldest part of Russia. Novgorod Kremlin (fortress), various temples and uncountable monasteries, everything breathes here with mysterious and beautiful history of Russia, from its earliest age.

*You will be informed of the details of the sightseeing tour programs and their costs in the Second Circular.*



## Key Dates

<b>20.04.2012</b>	Submission of preliminary registration forms and Abstracts
<b>01.03.2012</b>	Distribution of Circular 2
<b>20.05.2012</b>	Notification of acceptance
<b>30.06.2012</b>	Distribution of preliminary Scientific Program
<b>15.07-25.08, 2012</b>	Payment of fees
<b>September 1, 2012</b>	Submission of annotations of oral presentations to the Scientific Program
<b>October 21, 2012</b>	Arrival of participants
<b>October 22-25, 2012</b>	Working days
<b>October 26, 2012</b>	Departure
<b>October 26, 2012</b>	2 Post-tours (“Peterhof-Oranienbaum” and “Great Novgorod”)

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