



II Russian Congress on Catalysis "RUSCATALYSIS"

First Announcement INVITATION

<http://conf.nsc.ru/RUSCATALYSIS-2014/>

*Dear Colleague,
The Organizing Committee cordially invites you to take part in the II Russian Congress on Catalysis "RUSCATALYSIS" to be held in Samara (Russia) on October 2-5, 2014 under the auspices of the Russian Academy of Sciences.*

The II Russian Congress on Catalysis "RUSCATALYSIS" is aimed at addressing the state of the art and challenges in all fields of catalysis, determination of priority tasks for fundamental and applied research, and subsequent industrial implementation. It will also focus on problems of training specialists in the field of catalysts and catalytic technologies.

We will be delighted to see you among the participants of the Congress!



CONGRESS ORGANIZERS

- Boreskov Institute of Catalysis SB RAS, Novosibirsk*
- Samara State Technical University, Samara*
- Lomonosov Moscow State University, Moscow*
- Topchiev Institute of Petrochemical Synthesis RAS, Moscow*
- Zelinsky Institute of Organic Chemistry RAS, Moscow*
- Institute of Hydrocarbons Processing SB RAS, Omsk*



CONGRESS SPONSORS:

- Nonprofit Partnership "National Catalytic Society of Russia"*
- Government of Samara region*
- JSC "NK Rosneft"*

The POCKAT logo, consisting of a grid of colored squares and a diagonal stripe, followed by the text "CONGRESS COUNCIL" in a bold, blue, sans-serif font.**President:**

Prof. V.N. Parmon

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BIC SB RAS, Novosibirsk*

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IIC SB RAS, Irkutsk

Prof. S. N. Khadzhiev

TIPS RAS, Moscow

Prof. V.N. Charushin

IOS UB RAS, Ekaterinburg

Information support:

*Journal "Kinetics and Catalysis"
Journal "Catalysis in Industry"*

The Official Congress service operator is Descriptor Ltd., Samara

PROGRAM COMMITTEE

Co-Chairman: Prof. V.N. Parmon
Co-Chairman: Prof. V.V. Lunin
Co-Chairman: Prof. S.N. Khadzhiev

Section 1. Physicochemical fundamentals of catalytic processes

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Dr. Ya.V. Zubavichus, IEOC RAS, Moscow
Prof. A.Yu. Stakheev, IOC RAS, Moscow
Prof. V.N. Korchak, ICP RAS, Moscow

Section 2. Scientific basis of catalyst production

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Prof. A.A. Pimerzin, SSTU, Samara
Dr. N.G. Zubritskaya, RSC "Applied Chemistry", St. Petersburg
Prof. A.S. Ivanova, BIC SB RAS, Novosibirsk

Section 3. Advanced catalytic processes

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Prof. B.N. Kuznetsov, ICCT SB RAS, Krasnoyarsk
Prof. V.I. Savchenko, IPCP RAS, Chernogolovka
Prof. A.B. Yaroslavtsev, IPCS RAS, Moscow

Section 4. Industrial catalysts and catalytic processes

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EXECUTIVE COMMITTEE

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Technical group:

Novosibirsk: N.S. Krylova, M.A. Klyusa, A.A. Bryliakova (BIC SB RAS)
Samara: E.E. Vishnevskaya, D.I. Ishutenko, S.V. Portnova (SSTU)
Moscow: E.V. Golubina (MSU), O.A. Pakhmanova (TIPS RAS)
Omsk: D.A. Shlyapin (IHP SB RAS)

SCIENTIFIC PROGRAM

Scientific Program of the Congress will comprise invited plenary lectures (40 min), invited keynote lectures (30 min), invited oral communications (20 min), oral communications (15 and 10 min) and poster presentations.

The Official language of the Congress is Russian.

CONGRESS TOPICS

The section "Physicochemical fundamentals of catalytic processes" is dedicated to the 75th birth anniversary of an eminent scientist in the field of physical chemistry and catalysis academician Kirill Il'ich Zamaraev (1939-1996), well-known in the scientific community due to the studies of mechanisms of catalytic reactions at the molecular level.



Section 1 Physicochemical fundamentals of catalytic processes

- Theoretical and experimental investigation of processes on the catalyst surface, including *in situ* studies
- Mechanisms of catalytic reactions
- Kinetics of catalytic processes

Section 2 Scientific basis of catalyst production

- Physicochemical basis of catalyst synthesis
- Scientific basis of technologies and equipment for the production of catalysts and supports
- Methods and equipment for catalyst testing

Section 3 Advanced catalytic processes

- Oil refining
- Chemistry and petrochemistry
- Environmental protection
- Energy saving and processing of renewable feedstocks

Section 4 Industrial catalysts and catalytic processes

- Catalyst operation under industrial conditions
- Catalytic reactors: design and application
- Deactivation and regeneration of industrial catalysts
- Catalytic process engineering including software

Roundtable discussion Education and catalysis

Roundtable discussion "Education and catalysis" is dedicated to the 100th anniversary of Samara State Technical University.

Its program will include invited oral communications concerning the reform of the educational system at the university level and training of qualified specialists in catalysis; new approaches to teaching the fundamental and applied aspects of catalysis with the use of interactive materials; organization of R&D activities of students in the field of catalysis in colleges and academic institutes.

Satellite symposia will be arranged within the Congress:

Symposium-I "Carbon materials and their composites"

Topics:

- Development of methods for preparation of nanostructured carbon materials (nanoglobules, nanotubes, fullerenes, graphenes), and investigation of their physical and chemical properties
- Carbon composite materials for energy and catalysis
- Functionalized carbon materials for environmental protection and human health

Symposium-II "Low-tonnage chemistry: state-of-the-art and outlook"

Topics:

- Low-tonnage production of chemical products and materials
- Processes, equipment and technologies of low-tonnage chemical productions
- Chemical products from wastes of large-tonnage chemical productions
- Problems of recycling of wastes of low-tonnage chemical productions



INVITED PLENARY LECTURES

Ananikov V.P.

Adaptive molecular and cluster catalysis by transition metals in modern organic synthesis
Zelinsky Institute of Organic Chemistry RAS, Moscow

Bukhtiyarov V.I.

Active sites in heterogeneous catalysts: formation and studies by *in situ* methods
Boreskov Institute of Catalysis SB RAS, Novosibirsk

Varfolomeev S.D.

Fuels from biomass and organic wastes
Institute of Biochemical Physics RAS, Moscow

Gekhman A.E.

Catalytic processes in "green chemistry"
Kurnakov Institute of General and Inorganic Chemistry, Moscow

Murzin D.Yu.

Catalytic processes in low-tonnage chemistry
Åbo Akademi University, Turku, Finland

Khadzhiev S.N.

Nanoheterogeneous catalysis for conversion of conventional and non-conventional heavy oil residues
Topchiev Institute of Petrochemical Synthesis RAS, Moscow



INVITED KEY LECTURES

Bal'zhinimaev B.S.

Silicate fiberglass catalysts: from science to technologies
Boreskov Institute of Catalysis SB RAS, Novosibirsk

Barabanov V.G.

Catalysis in the industry of fluorine compounds
Russian Scientific Center "Applied Chemistry", St. Petersburg

Belyi A.S.

Current state and prospects of development of the process and catalysts for gasoline fractions reforming
Institute of Hydrocarbons Processing SB RAS, Omsk

Dzhemilev U.M.

Catalysis – the present and the future of petrochemistry
Institute of Petrochemistry and Catalysis RAS, Ufa

Ivanov A.V., Trofimov B.A.

Superbase catalysis in acetylene chemistry
Institute of Chemistry SB RAS, Irkutsk

Ivanova I.I.

Design of micro-mesoporous zeolite catalysts for petrochemical and organic synthesis processes
Topchiev Institute of Petrochemical Synthesis RAS, Moscow

Ismagilov Z.R.

Catalytic processes in coal chemistry
Institute of Coal Chemistry and Chemical Materials Science SB RAS, Kemerovo

Isupova L.A.

Monolithic catalysts in the technology of two-step oxidation of ammonia
Boreskov Institute of Catalysis SB RAS, Novosibirsk

Kapustin V.M.

Prospects in the development of catalytic processes of oil processing and enhancement of the role of catalysts in such processes
JSC "VNIPIneft", Moscow

Karakhanov E.A.

Homogeneous, two-phase and supported catalytic systems on the basis of ionic liquids in petrochemical synthesis
Lomonosov Moscow State University, Moscow

Kustov L.M.

Microwave activation in catalysis
Zelinsky Institute of Organic Chemistry RAS, Moscow

Levinbuk M.A.

Catalyst modification as an alternative to modernization of catalytic cracking setups
Russian State University of Oil and Gas, Moscow

Mordkovich V.Z.

New generation of the GTL technology: from laboratory development to industrial application
Technological Institute For Superhard And Novel Carbon Materials, Troitsk

Sinev M.Yu.

Catalytic transformations of light alkanes: whether "the alternative petrochemistry" is real?
Institute of Chemical Physics RAS, Moscow

Slin'ko M.M.

Fluctuations of rate of heterogeneous catalytic reactions
Institute of Chemical Physics RAS, Moscow

Pimerzin A.A.

Features of synthesis of highly active sulfide catalysts for the production of motor fuels
Samara State Technical University, Samara

Shvets V.F.

Technological aspects of processing of renewable feedstocks to large-tonnage chemical products
D. Mendeleev University of Chemical Technology of Russia, Moscow

COMPANY PRESENTATIONS

The Organizing Committee invites Russian and foreign companies dealing with catalysts and catalytic processes to advertise their products during the Congress.

Participation in the Congress offers a wide advertising of the company, its products and services!



Specialized exhibitions of equipment and instruments are not planned during the Congress. Presentation of booklets, information materials, banners of companies and firms will take place from October 3 to October 4 in the concert hall of Volga Cliff Resort (a table, chairs, information desk and power supply for laptop will be provided).

PRESENTATION package-I

- section oral communication, 15 min
- participation in the exhibition
- publication of advertisement in the book of abstracts
- placement of advertising materials in delegates bags

Package cost: 100 000 rub.*

** The registration fee is not included in the cost of the package*

PRESENTATION package-II

- participation in the exhibition
- publication of advertisement in the book of abstracts
- distribution of advertising materials among the participants during the Congress

Package cost: 50 000 rub.*

PUBLICATIONS

Book of Abstracts covering plenary and keynote lectures as well as oral and poster presentations will be issued before the Congress. International standard book number (ISBN) will be assigned to the electronic issue of the Book of Abstracts.

The Organizing Committee invites authors of plenary and keynote lectures and oral presentations (20 and 15 min) to publish their full texts in special issues of journals "Kinetics and Catalysis" (lectures and oral presentations of sections Physicochemical Fundamentals of Catalytic Processes and Scientific Basis of Catalyst Production) and "Catalysis in Industry" (lectures and oral presentations of sections Advanced Catalytic Processes and Industrial Catalysts and Catalytic Processes). Instructions for authors, key dates for paper submission, and necessary documentation are available at the Congress website.

APPLICATION FOR PARTICIPATION AND ABSTRACTS

The online application is available by 15th April, 2014 on the Congress website <http://conf.nsc.ru/RUSCATALYSIS-2014/>

The abstracts must not exceed one A5 size page (114 x 170 mm), including figures. The body text must be written in Russian, in Times New Roman font, 11 pt. size, 0.6 cm paragraph indent, single line spacing, alignment justified. The authors can specify the section name related to their abstract, and the desired type of presentation.

The abstract template is available to download from the site:

http://conf.nsc.ru/RUSCATALYSIS-2014/ru/prepare_materials.

VENUE

The Congress will take place in conference halls of Volga Cliff Resort of the Department for Presidential Affairs of the Russian Federation (Volga Cliff village, Shygon district, Samara region). Volga Cliff Resort is located on the shore of the Zhiguli Sea, on the utmost western Zhiguli mountains, in the woodland. This place is called Volga Switzerland for its beauty and fresh air.



ACCOMMODATION

Accommodation for the Congress participants will be arranged in comfortable single and double rooms of the Resort from 1st to 6th October, 2014. The expected room rates (including Wi-Fi Internet access and full board: breakfast, lunch, dinner) are as follows: single – 5015 rub., twin room – 3625 rub. per person, twin suite category 1 or category 2 – 9465 or 10295 rub. per room and 3935 or 3975 rub. per person, respectively.

MEALS

Coffee breaks for participants will be arranged at Volga Cliff Resort. The participants will be invited to the Welcome reception on October 2.

SOCIAL PROGRAM

Three two-hour excursions will be organized on October 5: (1) sightseeing tour to the Syzran city, (2) the tour to Chuvashskii and Zverinyi hillocks, and (3) the tour to Usolye village. On October 6, participants and guests will also be offered an additional one-day post-tour to the "Samarskaya Luka" reserve (Shiryaevo village). The program and cost of the post-tour will be published in the Second Circular.



REGISTRATION FEE

Registration fees	Standard registration fee (before 5 th September 2014)	Late registration fee (after 5 th September 2014)
Academic organizations of Russia/CIS countries	8000 rub.	8900 rub.
Post-graduates and students	5000 rub.	5900 rub.
Industrial/company	11000 rub.	12000 rub.

The fee covers editorial expenditures, delegate bag, auditorium rent, airport-resort-airport transfer, coffee breaks, Welcome Party, and one excursion.

The Correspondence participation fee (1000 rub.) covers publication of one abstract in the Congress Book of Abstracts.

The registration fees for the participants include 18% VAT.

Payments should be free of bank charges. Credit cards are not accepted.

KEY DATES

April 15, 2014	Submission of registration forms and Abstracts
June 01, 2014	Notification of acceptance and distribution of the Second Circular
August 16, 2014	Distribution of preliminary Scientific Program
October 1, 2014	Arrival
October 2-5, 2014	Working days
October 6, 2014	Departure
October 6, 2014	Post-tour

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