

Second Announcement INVITATION

Dear Colleague,

Organizing Committee of the Russian Congress on Catalysis "RUSCATALYSIS" cordially invites you to take part in the event. The Congress will be held in Moscow (Russia) from 3rd to 7th October, 2011.

Main objective of the Russian Congress on Catalysis "RUSCATALYSIS" is to combine efforts of scientists and experts from industry for innovative development of chemical industry and deep processing of raw materials in Russia. Russian National Congress on Catalysis is organized for the first time.



The Congress will be held in the International Year of Chemistry and dedicated to the 150th anniversary of the Great Russian chemist Professor Nikolay D. Zelinsky



CONGRESS ORGANIZERS

- Russian Academy of Sciences
- Ministry of Education and Science of the Russian Federation
- Ministry of Industry and Trade of the Russian Federation
- Ministry of Energy of the Russian Federation
- Russian Foundation for Basic Research

- Boreskov Institute of Catalysis SB RAS, Novosibirsk
- Topchiev Institute of Petrochemical Synthesis RAS, Moscow
- Lomonosov Moscow State University, Moscow
- Zelinsky Institute of Organic Chemistry RAS, Moscow

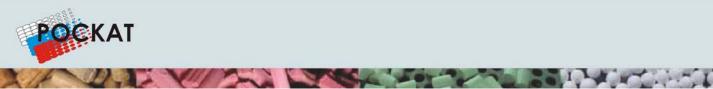
General Congress sponsor: "Salavat Catalyst plant " Ltd

Financial Support:

- BRUKER Ltd
- Labtest Ltd
- LOiP Ltd
- SHAG Ltd
- Element Ltd
- RusChemBio Ltd
- Reolgrade Service Ltd

Information Support:

Journal "Kinetics and Catalysis" Journal "Catalysis in Industry" Journal "Petroleum World"



CONGRESS COUNCIL

President:

V.N. Parmon Scientific Council for Catalysis RAS, Moscow

BIC SB RAS, Novosibirsk

COUNCIL MEMBERS

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V.I. Bukhtiyarov BIC SB RAS, Novosibirsk

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IHP SB RAS, Omsk

V.V. Lunin

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A.S. Noskov

BIC SB RAS, Novosibirsk

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V.A. Ryabov Association of Petroleum Processors and Petrochemists of Russia, Moscow

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V.A. Sobyanin

A.Yu. Stakheev

S.N. Khadzhiev

IOPC RAS, Kazan

NSU, Novosibirsk

IOC RAS, Moscow

IPS RAS, Moscow

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C.A. Tsyb Ministry of Industry and Trade of the Russian Federation, Moscow

V.N. Charushin

IOS UB RAS, Ekaterinburg

Y.A. Shchipunov

IC FEB RAS, Vladivostok

POCKAT

ORGANIZING COMMITTEE

Chairperson: V.N. Parmon, BIC SB RAS, Novosibirsk Co-chairman: A.S. Noskov, BIC SB RAS, Novosibirsk

Chairperson: V.V. Lunin, MSU

Co-chairman: A.Yu. Stakheev, IOC RAS
Chairperson: S.N. Khadzhiev, IPS RAS
Co-chairman: I.I. Ivanova, IPS RAS

Congress Secretariat

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Novosibirsk, BIC SB RAS: K.P. Bryliakov, V.I. Bukhtiyarov, A.S. Ivanova, Z.R. Ismagilov, L.A. Isupova, E.A. Kozlova, N.S. Krylova,

V.V. Molchanov[†], I.Yu. Mutas, Z.P. Pai, A.I. Stadnichenko, E.P. Talsi, A.S. Kharitonov

Moscow: E.V. Golubina (MSU), O.V. Turova (IOC RAS); O.V. Yashina (IPS RAS)

Omsk: A.V. Lavrenov, R.K. Karymova (IHP SB RAS) St. Petersburg: T.F. Pimenova (SPb SC RAS)



Program Committee

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

Section 1. Physicochemical fundamentals of catalytic processes

V.I. Bukhtiyarov, BIC SB RAS, Novosibirsk - Coordinator

I.I. Ivanova, MSU, Moscow

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

Section 2. Scientific basis of catalyst production

M.V. Tsodikov, IPCS RAS, Moscow - Coordinator

A.S. Belyi, IHP SB RAS, Omsk

E.Z. Golosman, OOO "NIAP CATALIZATOR", Novomoskovsk N.G. Zubritskaya, RSC "Applied Chemistry", St. Petersburg

A.S. Ivanova, BIC SB RAS, Novosibirsk

Section 3. Advanced catalytic processes

A.L. Maksimov, MSU, IPCS RAS - Coordinator

S.D. Varfolomeev, MSU, IBCP RAS, Moscow

V.M. Kapustin, OAO "VNIPI Neft", Moscow

V.A. Likholobov, IHP SB RAS, Omsk

V.I. Savchenko, IPCP RAS, Chernogolovka

A.B. Yaroslavtsev, IPCS RAS, Moscow

Section 4. Industrial catalysts and catalytic processes

R.S. Yarullin, OAO "Tatneftekhiminvest-holding" - Coordinator

L.S. Glebov, NC "Rosneft", Moscow

A.M. Mazgarov, OAO "VNIIUS", Kazan

V.A. Makhlin, IPCS RAS, Moscow

A.S. Noskov, BIC SB RAS, Novosibirsk

SCIENTIFIC PROGRAM

Scientific Program of the Congress will comprise 7 invited plenary lectures (60 or 40 min), 12 invited keynote lectures (30 min), 9 invited oral communications (20 min.), 140 oral communications (15 min), 25 oral presentations of young scientists (10 min) and 280 poster presentations.



CONGRESS TOPICS

Section 1. Physicochemical fundamentals of catalytic processes

- Theoretical and experimental study of processes on the catalyst surface, in particular, in situ studies
- Mechanism 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 sources

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





PLENARY LECTURES (60 min)

1. I.I. Moiseev

"Catalysis by Metal Complexes: Yesterday, Today and Tomorrow" Kurnakov Institute of General and Inorganic Chemistry RAS, Gubkin Russian State University of Oil and Gas, Moscow

2. V.N. Parmon

"Physical Chemistry and Current Problems of Heterogeneous Catalysis" Boreskov Institute of Catalysis SB RAS, Novosibirsk

3. A.A. Kilyachkov

"Development Strategy of Petroleum Refining, Oil and Gas Chemical Industry in Russia" Department of Oil and Gas Processing, RF Ministry of Energy, Moscow

PLENARY LECTURES (40 min)

1. Sh. Shaikhutdinov

"Multilayer Catalysts: New Prospects in Terms of Surface Science" Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin, Germany

2. V.A. Likholobov

"Trends in Preparation of Oil Refining Catalysts" Institute of Hydrocarbons Processing SB RAS, Omsk

3. M.V. Tsodikov, A.B. Yaroslavtsev

"Hybrid Membrane Reactors for Selective and Fast Petrochemical Processes" Institute of Petrochemical Synthesis RAS, Moscow

4. A.S. Noskov

"Computational Hydrodynamics for Development of Catalytic Reactors" Boreskov Institute of Catalysis SB RAS, Novosibirsk

KEYNOTE LECTURES

Section 1. PHYSICOCHEMICAL FUNDAMENTALS OF CATALYTIC PROCESSES

1. A.Yu. Stakheev1, V.I. Bukhtiyarov2

"Size Effects in Catalysis on Supported Metals"

- 1 IOC RAS, Moscow,
- 2 BIC SB RAS, Novosibirsk

2. R.V. Ottenbacher¹, O.Yu. Lyakin², K.P. Brylyakov², E.P. Talsi²

"Mechanism of Stereoselective Oxidation Catalyzed by Non-Heme Iron and Manganese Complexes"

- 1 Novosibirsk State University
- 2 BIC SB RAS, Novosibirsk

3. Ya.V. Zubavichus

"Diagnostics of Catalysts at Kurchatov Synchrotron Radiation Source: Toward Operando Studies" NRC "Kurchatov Institute", Moscow

Section 2. SCIENTIFIC BASIS OF CATALYST PRODUCTION

4. M.N. Vargaftik

"Coordination Chemistry – a New Paradigm for Synthesis of Bimetallic Catalysts" IGIC RAS, Moscow

5. A.S. Ivanova

"Alumina and Alumina-Based Systems: Properties and Application" BIC SB RAS, Novosibirsk

6. M. Rodkin

"Industrial Heterogeneous Catalysis – Faster, Better and Cleaner" BASF Corporation, Iselin, NJ, USA



Section 3. ADVANCED CATALYTIC PROCESSES

7. A.G. Dedov

"Ethylene from Methane: Chemistry and Technology" Gubkin RSU of Oil and Gas, IPCS RAS, Moscow

8. V.A. Kirillov

"Catalytic Processes for Synthesis Gas Production and Application in Transport and Energetics" BIC SB RAS, Novosibirsk

9. A.L. Maksimov

"Catalysts for Production of Petrochemical Feedstock and Valuable Products from Renewable Sources" MSU, IPCS RAS, Moscow

Section 4. INDUSTRIAL CATALYSTS AND CATALYTIC PROCESSES

10. A.N. Shakun

"Catalysts and Processes for Isomerization of Light Gasoline Fractions" OAO "NPP Neftekhim", Krasnodar

11. Yu.A. Treger

"Advanced Catalytic Processes in Chlorine Industry" OOO Research Engineering Center "Sintez", Moscow

12. V.A. Zakharov

"New Generation of Supported Titanium-Magnesium Catalysts as a Basis for Modern Highly Efficient Production of Polyolefins"

BIC SB RAS, Novosibirsk

INVITED ORAL COMMUNICATIONS

Section 1. PHYSICOCHEMICAL FUNDAMENTALS OF CATALYTIC PROCESSES

- V.N. Korchak, Yu.P. Tyulenin, V.Yu. Bychkov, M.M. Slin'ko, N.V. Peskov

Nonlinear and critical phenomena in heterogeneous catalytic oxidation of C1-C4 alkanes ICP RAS, Moscow

- V.I. Bogdan

Heterogeneous catalysis under supercritical conditions: theory and practice IOC RAS, Moscow

Section 2. SCIENTIFIC BASIS OF CATALYST PRODUCTION

- V.A. Sadykov¹, J. Ross², O.L. Smorygo³, N.V. Mezentseva¹

Scientific basis for design of nanocomposite structured catalysts for transformation of hydrocarbons and biofuels to synthesis gas and hydrogen

1 – BIC SB RAS, Novosibirsk

2 – University of Limerick, Limerick, Ireland

3 - Institute of Powder Metallurgy, Minsk, Belarus

- I.E. Nifant'ev

Post-metallocene catalysts containing quinoline dianionic tridentate ligands: access to polyolefins of various architecture

IPCS RAS, MSY, Moscow

Section 3. ADVANCED CATALYTIC PROCESSES

- I.I. Ivanova, D.A. Fedosov, A.V. Smirnov, E.E. Knyazeva

Membrane-catalytic processes on zeolites

MSU, IPCS RAS, Moscow

- V.I. Savchenko

Catalytic hydrogenation of polyfunctional organic compounds *IPCP RAS, Chernogolovka*

- A.Yu. Krylova

Fischer-Tropsch catalysts as the core of the strategy for production of synthetic liquid fuels IPCS RAS, Moscow

Section 4. INDUSTRIAL CATALYSTS AND CATALYTIC PROCESSES

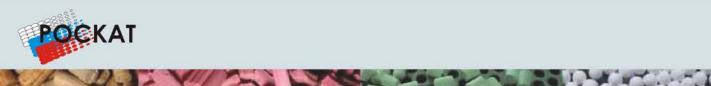
- S.B. Putin

Catalysts in life support systems

OAO "Corporation Roskhimzaschita", Tambov

- O.V. Klimov

Advanced industrial catalysts for hydrofining of oil fractions BIC SB RAS, Novosibirsk



Satellite symposia and roundtable discussions will be arranged within the Congress:

Symposium I "Catalytic Organic Synthesis" dedicated to the 150th anniversary of Prof. N.D. Zelinsky. Symposium sections: Basic organic synthesis; Fine organic synthesis. Program of the Symposium comprises 5 keynote lectures and 9 oral communications (15 min).

Symposium II "Catalytic Processes for Low-Tonnage Chemistry". Symposium sections: Homogeneous and heterogeneous catalysts and their precursors for fine organic synthesis; Import substitution products of low-tonnage chemistry; Chemical equipment for low-tonnage processes; Economical and ecological aspects of low-tonnage processes. Program of the Symposium comprises 4 keynote lectures, 7 oral communications (15 min), and 3 oral presentations of young scientists.

Roundtable discussion "Education and Catalysis". Invited oral communications: Reforms of the educational system and training of qualified specialists in catalysis; New approaches to learning of fundamental and applied aspect of catalysis, the use of interactive materials; Organization of R&D activities of students in the field of catalysis in colleges and academic institutes.

The Young Scientists Program of the Congress includes:

- Competition of poster presentations of the young scientists
- Young scientists session within the roundtable discussion "Education and Catalysis".

Young participants of the Congress: students, postgraduates, young scientists and teachers are invited to take part in discussions on Education and Catalysis. Short (3-5 min) oral presentations of young scientists within the roundtable discussions are welcome (applications can be submitted until July 1 to the Roundtable Secretary Golubina Elena: golubina@kge.msu.ru).

The best poster presentations of young scientists at the Congress as well as topical and bright oral presentations of young scientists within the roundtable discussion "Education and Catalysis" will be marked with certificates and prizes from the Organizing Committee of the Congress.

- Roundtable discussion "Problems in Industrial Production of Catalysts"
- Roundtable discussion "RFBR and State Corporation Rosnanotech"
- Roundtable discussion "Journal Catalysis in Industry" dedicated to the 10th anniversary of the Journal

Company presentations

The Organizing Committee invites Russian and foreign companies dealing with catalysts and catalytic processes to advertise their products during the Congress. The Organizing Committee offers: publication of advertisements in the Congress Proceedings, oral presentations, materials, books, booklets, and distribution of advertising materials. Sponsors are kindly invited to support the Congress. Please inform the Organizing Committee if your company is interested in sponsoring this event.

Publishers' presentations

The exhibition of magazines and books will be organized at the presentation of publishing houses.

PRESENTATION

Duration of presentation (including a time for questions) is 60 or 40 min for plenary lectures, 30 min for keynote lecture, 20 or 10 min for oral presentations. Multi-media (LCD) projectors will be available. Organizers recommend the authors to prepare computer presentations in *.ppt format (Microsoft Power Point, MS Office). Size for poster: A0 Format (594 mm width x 841 mm height). The authors are requested to place their posters in the morning of October 6.

PUBLICATIONS

Book of Abstracts covering plenary and keynote lectures as well as oral and poster presentations will be issued as flash cards before the Congress. A printed booklet with the Scientific Program and annotations of plenary, keynote and oral presentations will be distributed among the participants at the registration.

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 5-6 lines, A4, single spacing) to the Congress Secretariat: Lokteva Ekaterina Sergeevna, les@kge.msu.ru before July 1.

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; Scientific Basis of Catalyst Production) and "Catalysis in Industry" (lectures and oral presentations of sections Advanced Catalytic Processes; Industrial Catalysts and Catalytic Processes). Instructions for authors, key dates for paper submission, and necessary documentation are available at the Congress website.

Authors of oral presentations (10 min) and posters are invited to submit their full texts to journals "Kinetics and Catalysis" and "Catalysis in Industry" in the regular order.



VENUE

The opening ceremony of the Congress and the 1st plenary session will take place in the Conference hall of the First Educational Building of Lomonosov Moscow State University on October 3, 2011 (Lomonosov prosp. 27, bld. 4; metro "University").

The Congress will take place at the Hotel Vega*** of the Hotel complex "Izmailovo" on October 4-7, 2011 (www.gostinica-vega.ru).

The Hotel Vega is located in a picturesque place of Moscow at the boundary of Izmailovsky Park close to the metro station "Partizanskaya" (Izmailovskoe shosse, 71).





Hotel VEGA facilities

There are multifunctional conference halls up to 500 persons with Internet access in the hotel. All conference halls are situated on the same floor and have comfortable foyers for coffee-breaks.

Accommodation

Accommodation will be arranged at the Hotel Vega*** at special rates strongly reduced for the Congress participants from 3rd to 8th October, 2011. The expected rates are as follows:

Single, including buffet breakfast:

Business class – 3.950 rub., First class – 4550 rub., Lux – 5500 rub.

Double, including buffet breakfasts:

Standard - 3790 rub., *Business class* - 4400 rub., *First class* - 4980 rub., *Lux* - 5600 rub

Hour of payment: 2.00 p.m., Moscow time

Hotel room capacity: http://www.gostinica-vega.ru/nomera.php

Hotel accommodation at Vega is paid in cash according to accommodation list with residence dates prepared by the Organizing Committee for a hotel manager. The Congress participants will receive Registration Form No. 2, which should be filled to provide information about the chosen hotel rooms, dates of arrival and departure, registration fee, and participation in the social program. After filling, please you're your Registration Form No. 2 to the Organizing Committee before July 1 (Lyudmila STARTSEVA, star@catalysis.ru).

MEALS

Lunches will be served at the Hotel Vega restaurant. Tickets for 4 lunches will be included in the participant package. Morning and afternoon coffee breaks will be provided.

REGISTRATION

Registration of participants will take place on October 3 from 9.00 a.m. to 5.00 p.m. in the Assembly hall of the First Educational Building of the Moscow State University (Lomonosov prospect, 27, building 4). Metro station University, then two bus stops at a route taxi / bus / trolleybus running over Lomonosov prospect to Mendeleev street (to the right of the MSU Fundamental Library).

The registration will continue on October 4 from 9.00 a.m. to 12.00 in the hall of hotel Vega.

REGISTRATION FEE

The registration fee is 400 Euro for each participant and 300 Euro for accompanying persons, post-graduates and students. Registration fee includes 18% VAT.

The fee covers editorial expenditures, delegate bag, auditorium rent, 4 lunches, coffee-breaks, Welcome Party, 1 transfer Airport-Hotel Vega, excursion "Moscow from the boat".

Participants pay the fee in Rubles at the registration desk.

Credit cards are not acceptable.



ENTRY VISA TO RUSSIA

All foreign participants of the Congress need an entry visa to Russia. In order to obtain a Scientific-Technical visa to Russia, foreign participants should have an official "Invitation to Russia". The Organizing Committee will send you the original of "Invitation to Russia" from Boreskov Institute of Catalysis, Novosibirsk by regular post. The original of your "Invitation to Russia" should be presented to the local Russian Federation Consulate of your country as a basis for getting the Scientific-Technical visa.

To complete visa formalities for the official invitation in time, we kindly ask you to fill in the Visa application form. Please also make a high quality electronic copy of the 1st and/or 2nd pages of your passport (with the personal data and photo) as scanned (jpg or other graphic format) file(s) (black and white copy is sufficient). The passport should be valid at least half a year after the Congress. A separate Visa application form and a copy of the passport should be sent for your accompanying person.

We kindly ask you to submit a copy of the passport and Visa application form directly to the Organizing Committee for Lyudmila Startseva by e-mail: star@catalysis.ru before July 1, 2011.

Visa application form

1	First name								
2	Family name								
3	Position (Dr./Prof.)								
4	Citizenship								
5	Date and place (city) of birth		date.month.	year (e.g. 2	0.08.	1950)			
6	Number of the passport								
7	Passport valid until								
8	Affiliation (address, telephone, fax, E-mail)								
9	Preliminary dates of the entrance and departure								
11	Location of the Russian Federation Consulate		City: Address: Tel	Fax:		E-mail:			
Facultative questions:									
11	Consulate needs (please mark)								
12	How long does it take to get visa in the Russian Consulate of your country?								

SOCIAL PROGRAM

- The participants are invited to the Welcome reception on October 3. The banquet will be held on October 6 (2700 Rubles).
- The excursion "Moscow from the boat" will be organized for the participants on October 7. The participants and guests will also be offered an additional paid excursion to the Kremlin "Izmailovo" Museums.
- At the end of the Congress, on October 8, the participants are invited to visit the Trinity Sergius Lavra (one day Posttour I) or the historical Russian cities of the "Golden Ring": Suzdal, Vladimir and Bogolyubovo (two-day Post-tour II).

ONE-DAY POST-TOUR I "The Trinity Sergius Lavra" October 8, 2011 (Saturday)

08:00 a.m. - departure from Moscow (hotel VEGA) to Sergiev Posad Excursions to the Trinity Sergius Lavra and churches (1.5 hour) Launch at the Old Hotel restaurant in the Lavra Excursion "Treasures of the monastery's vestry" (2 hours) Cost of the tour is 1950 rubles per person (for a group of 30 persons).

TWO-DAY POST-TOUR II "Vladimir - Suzdal - Bogolyubovo" October 8-9, 2011 (Saturday and Sunday)

The cost includes transport, excursions and launch.

October 8, 2011 (Saturday)

08:00 a.m. - Departure from Moscow (hotel VEGA) to Vladimir 12:00 - Launch at the "Russian village" restaurant in Vladimir

1:30 p.m. - Excursion over Vladimir, visit to Uspensky Cathedral, Dmitrovsky Cathedral,

Museum of Cut Glass, Golden Gates, survey excursion over Bogolyubovo

6:00 p.m. - Dinner at the restaurant, accommodation at the "Russian village" hotel in Vladimir

October 9, Sunday

08.00 a.m. - Breakfast at the hotel, cold table (included in the hotel accommodation price)

09:30 a.m. - 1:00 p.m. - Survey excursion over Suzdal

1:00 p.m. - Launch at a restaurant in Suzdal

Excursion to the Pokrova na Nerli Church

4.00 p.m. - departure to Moscow (to the evening flights from airport or railway station)

Cost of the tour is 6500 rubles per person (for a group of 30 persons).

The cost includes transport, excursions, meals and hotel (one night) in a two-bed room at the "Russian village" hotel in Vladimir (additional payment for single person accommodation in a two-bed room is 1600 rubles).

WEATHER

At the beginning of October, the weather in Moscow is usually warm (18-20°C); the Organizing Committee advises you to bring umbrella.



KEY DATES

01.07.2011	Submission of registration forms-2				
15.08.2011	Distribution of preliminary Scientific Program				
03.10.2011	Arrival and the Congress opening				
03-07.10.2011	Working days				
08.10.2011	Departure				
08-09.10.2011	Post-tours Post-tours				

For information please contact to:

In Novosibirsk

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