

# MODERN TRENDS IN ORGANOELEMENT AND POLYMER CHEMISTRY

**International Conference Dedicated to  
50<sup>th</sup> Anniversary of A.N.Nesmeyanov  
Institute of Organoelement Compounds,  
Russian Academy of Sciences**



Second Circular

[Ministry of Industry, Science and Technology, Russian Federation](#)

[Russian Academy of Sciences](#)

Division of Chemistry and Material Sciences, RAS

Scientific Council on Organic and Organoelement Chemistry, RAS

[Scientific Council on Polymers, RAS](#)

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[State Scientific and Research Institute for Chemistry and Technology of Organoelement Compounds](#)

Moscow, Russia

May 30-June 4, 2004

**Dear Colleague!**

We cordially invite you to participate in the International Conference "Modern Trends in Organoelement and Polymer Chemistry" dedicated to 50<sup>th</sup> Anniversary of A.N.Nesmeyanov Institute of Organoelement Compounds (INEOS), Russian Academy of Sciences. The Conference will be held in Moscow, Russia, on May 30-June 4, 2004.

INEOS RAS is a worldwide recognized Institute where the chemistry of organoelement and macromolecular compounds is developing. Its reputation as a scientific center in chemistry is very high both in Russia and abroad.

Professor Yuri N. Bubnov,  
Chairman of the Organizing Committee

## **Organizing Committee:**

Bubnov Yu.N. (*Chairman*)  
Antipin M. Yu. (*Co-chairman*)  
Valetsky P. M. (*Co-chairman*)  
Larina T. A. (*Scientific secretary*)

G.A. Abakumov	O.M. Nefedov
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M.P. Egorov	N.A. Platé
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T.A. Mastryukova M.G. Voronkov  
I.I. Moiseev N.S. Zefirov  
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## Local organizing Committee:

Antipin M. Yu. (*Chairman*)  
Valetsky P. M. (*Co-chairman*)  
Larina T.A. (*Scientific secretary*)

Yu.N. Belokon' Yu.S. Nekrasov  
V.I. Bregadze A.S. Peregudov  
S.S. Bukalov A.L. Rusanov  
V.A. Davankov A.S. Shaplov  
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V.N. Kalinin N.A. Ustynyuk  
K.A. Kochetkov V.A. Vasnev  
L.N. Kuleshova Ya.S. Vygodskii  
B.V. Lokshin

## Secretariat

Dr. Tatiana Larina  
A. N. Nesmeyanov Institute of Organoelement  
Compounds, RAS,

Vavilov str. 28,

Moscow V-334, GSP-1

119991 Russia

Fax: 7 (095) 135 5085

Phone: 7 (095) 135 6165

E-mail (INEOS50): [ineos50@ineos.ac.ru](mailto:ineos50@ineos.ac.ru)

Internet: <http://www.ineos.ac.ru/ineos50>



## Scientific Programme:

The Conference Program will include plenary and invited lectures, oral contributions and poster presentations. The following topics will be the major subjects of the Conference:

- Organoelement and Coordination Chemistry
- Catalysis by Metal Complexes, Stereospecific Catalysis and Catalysis by Metal Nanoparticles
- Structure, Electronic Properties, and Reactivity of Organoelement Compounds
- New Directions in Polymer Synthesis
- Organoelement Polymers
- Physical Chemistry of Polymer Systems

**Two parallel scientific sessions are planned: Organoelement Compounds (OEC), and Polymers (POLY)**

**The Conference format will include plenary lectures (40 minutes including discussion), invited lectures (30 minutes including discussion), oral presentations (20 minutes including discussion), and posters. English is official language of the Conference.**

### Plenary and Invited Lectures

**Abadie M. (France)** "Synthesis of Alternating Copolymers - New Routes"

**Anastasiadis Spiros (Greece)** (the title will be available later)

**Antipin M.Yu. (Russia)** "What Can We Learn More about Chemical Bonding in Organoelement Compounds Using Modern X-ray Diffraction Data?"

**Beletskaya I.P. (Russia)** "New Results in Transition Metals Catalyzed Reactions of Carbon-Carbon and Carbon-Heteroatom Bond Formation"

**Belokon' Yu.N. (Russia)** "Chiral Coordinatively Saturated Complexes of Metals as Asymmetric Catalysts of C-C Bond Formation"

**Bilibin A.Yu. (Russia)** "Polymers with Dendritic Macromolecules: Various Routes for Preparation and Further Transformations"

**Dixneuf P. (France)** "Recent Tribulations of Ruthenium Catalysts in Fine Chemistry and Polymerisation"

**Doyle M. (USA)** "New Advances in Catalysis with Dirhodium(II) Compounds"

**Gevorgyan V. (USA)** "Strained Organoelement Synthons for Organic Synthesis"

**Eisenberg Adi (Canada)** "Block Copolymer Vesicles: Control of Interfaces, Contents, Release and Inversion"

**Hosmane N. (USA)** "Boron and Gadolinium Neutron Capture Therapy: New Perspectives in Cancer Treatment"

**Kabanov V.A. (Russia)** (the title will be available later)

**Katsarava R. (Republic of Georgia)** "New Macromolecular Systems Composed of Naturally Occurring  $\alpha$ -Amino Acids: Synthesis and Applications"

**Katsuki T. (Japan)** "Asymmetric Baeyer-Villiger Oxidation: Control of Stereoelectronic Demand in Baeyer-Villiger Oxidation"

**Khokhlov A.R. (Russia)** "Organization and Design of Amphiphilic Copolymers"

**Kočovsky P. (UK)** "From Transition Metal Catalysts to Organocatalysis"

**Kricheldorf H.R. (Germany)** "Spirocyclic Metal Compounds as Initiators of Ring-Expansion Polymerizations"

**Kündig E.P. (Switzerland)** "Developments and Challenges in Transition Metal Carbonyl Complexes of Arenes"

**Makosza M. (Poland)** "New Reaction of Gamma - Halocarbanions, Underestimated Active Intermediates in Organic Synthesis"

**Möller M. (Germany)** "Hyperbranched Polymers for Functional Surfaces and Nanoparticulate Systems"

**Müllen K. (Germany)** "Organic Functional Nanoparticles"

**Muzafarov B.M. (Russia)** "Molecular Design of Organosilicon Polymers"

**Peruzzini M. (Italy)** "Organorhenium Chemistry via Rhenium(I) Allenylidenes"

**Poli R. (France)** "Basic Transition Metal Reactivity of Relevance to Atom Transfer Radical Polymerization"

**Seddon K.R. (UK)** "Ionic Liquids as Solvents for Green Industrial Processes"

**Seebach D. (Switzerland)** "From Organoelemental Chemistry to Biomedical Activity"

**Seyferth D. (USA)** "How Organometallic Chemistry Started: Edward Frankland and his Contemporaries"

**Shibasaki M. (Japan)** "Recent Progress in Asymmetric Two-Center Catalysis"

**Sjöberg S. (Sweden)** "Radiohalogenated Boron Cluster Compounds for Medical Applications"

**Snieckus V. (Canada)** (the title will be available later)

**Ueda M. (Japan)** "Low Dielectric Constant Polymers for Microelectronics: Synthesis of New Naphthalene Polymer with Low Dielectric Constant"

**Wegner G. (Germany)** "Polymers as Controlling Agents in the Formation of Inorganic Crystals and Hybrid Materials"

**West R. (USA)** "Multiple Bonds to Silicon: Yesterday, Today and Tomorrow"

## Conference Venue

The Symposium will be held at the Conference Halls of the Presidium of Russian Academy of Sciences (32a Leninsky prospect, Moscow)

## Language:

All lectures, communications and information will be in English.

## Schedule (for both OEC and POLY sections)

### Sunday, May 30

08.30-20.00 Registration\*

19.00-22.00 Welcome Party at the A.N. Nesmeyanov Institute of Organoelement Compounds

### Monday, May 31

09.00-10.00	Opening Ceremony
10.00-10.40	Lecture
10.40-11.10	Coffee break
11.10-13.10	Lectures
13.10-15.00	Lunch
15.00-17.00	Lectures
17.00-17.30	Coffee break
17.30-18.50	Lectures

### **Tuesday, June 1**

09.00-11.00	Lectures
11.00-11.30	Coffee break
11.30-13.10	Lectures
13.10-15.00	Lunch
15.00-17.00	Poster Session
16.50-17.20	Coffee break
17.20-18.40	Lectures

### **Wednesday, June 2**

09.00-11.00	Lectures
11.00-11.30	Coffee break
11.30-13.10	Lectures
13.10-15.00	Lunch
15.00	Sightseeing Tour

### **Thursday, June 3**

09.00-11.00	Lectures
11.00-11.30	Coffee break
11.30-13.10	Lectures
13.10-15.00	Lunch
15.00-17.00	Poster Session
17.00-17.40	Lectures
19.00	Conference Dinner

### **Friday, June 4**

9.00-11.00	Lectures
11.00-11.30	Coffee break
11.30-13.00	Lectures
13.00	Closing Ceremony

\*Registration will be proceeding at A.N. Nesmeyanov Institute of Organoelement Compounds of the RAS on Sunday, May 30, and will be continued at the Conference Site.

## **Conference program**

Conference program available [here](#)

## Deadlines

March 15, 2004 Abstracts for all presentations and **Form 1**.

March 31, 2004 Early registration fee and **Form 2**.

March 31, 2004 Hotel reservation **Form 3**.

The Organizing Committee reserves the right to schedule contributions and designate them as oral or as poster presentations. Information about scientific schedule details will be available via Internet and e-mail.

## Presentation Facilities

Lecture rooms will be equipped with Overhead as well as Multimedia Projectors. A poster board (90 cm height and 120 cm width) will be reserved for each poster presentation.

## Preparation of Abstracts

One-page abstract for all presentations should be submitted to the Secretariat together with the **Form 1** by March 15, 2004. The abstract should be sent as an attached Word document by e-mail: [ineos50@ineos.ac.ru](mailto:ineos50@ineos.ac.ru)

Abstracts should be prepared in A4 (210x297 mm) format with 1.5 line spacing using the Times New Roman 12 point font with 25 mm margin on each side. The title (centered, bold, in capital letters), the names of authors (centered, the speaker underlined) and the affiliations with e-mail address (centered, italic) as well as the text and references at the end of the abstract (in the text they should be denoted in square brackets) must be separated by one blank line.

## Conference Fee and Payment procedure

Active participant 350 EURO (before March 31), 400 EURO (after March 31)

Accompanying person 150 EURO

Student 100 EURO

Conference Fee covers Publication of Proceedings, Welcome party, Conference dinner, Coffee breaks.

Payments can be made either in EURO or USD. Payment in USD should be made according to the exchange rate (USD/EURO) at the moment of the bank transfer. Any bank charges must not be included in sum of the fee. Bank transfer of the Conference fee should specify the name(s) of the participant(s). A copy of the conference fee transfer forms must be submitted together with the registration form.

**For payment in EURO**

**For payment in USD**

A.N.Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences 119991 Moscow, Vavilov Str., 28, RUSSIA Phone: +7 (095) 135-6561; Fax: +7 (095) 135-6550.	A.N.Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences 119991 Moscow, Vavilov Str., 28, RUSSIA Phone: +7 (095) 135-6561; Fax: +7 (095) 135-6550.
SAVINGS BANK of the Russian Federation, Donskoe Branch 7813, B.Yakimanka, 18, 119180, Moscow, Russia SWIFT: SABR RU MM In favour of INEOS RAS (INEOS 50 Conference) account # 40503978138110200069	SAVINGS BANK of the Russian Federation, Donskoe Branch 7813, B.Yakimanka, 18, 119180, Moscow, Russia SWIFT: SABR RU MM In favour of INEOS RAS (INEOS 50 Conference) account # 40503840138280200069

The Registration Fee can be paid at the Registration desk. We regret that the credit cards are not acceptable.

## Cancellation and Refund

Refunds of registration fees can only be made on receipt of written cancellation:

by April 30, 2004 - 100%;

by May 15, 2004 - 50%

after May 15, 2004 - no refund.

## VISA

In order to visit Russia all foreign participants should get visas in Russian Consulates. Therefore, please, specify the city (**Form 2**) where the nearest Russian Consulate is located and where it is convenient for you to get a visa.

We will send you additional information about the visa application after receiving your **Forms 2 and 3** (March 31).

## Accommodation

The Conference Secretariat will reserve rooms for participants at the Hotel "Sputnik" (three-stars)\* located approximately in 10-15 minutes walking distance from INEOS RAS and the Conference Halls of the Presidium of Russian Academy of Sciences where the scientific sessions will take place. The room rate (**Form 3**) includes breakfast. Participants interested to stay at the Hotel "Sputnik" are requested to complete and return Registration **Form 3** to the Conference Secretariat before March 31.



\* The secretariat authorities regret that a) the number of half-suite rooms in the Hotel "Sputnik" is very limited, and b) all room rates listed in the **Form 3** may rise by 5-10 % at the time of the conference.

Single	Double	Half-suite	Suite
48*/51**/67***	68**/88***	123	158

\*with shower, \*\* with bath, \*\*\*renovated

## Social Program

The following events are planned:

Sunday, May 30, 19.00 - Welcome Party, at the A.N. Nesmeyanov Institute of Organoelement Compounds.

Wednesday, June 2, 15.00 - Sightseeing Tour

Thursday, June 3, 19.00 - Conference Dinner.

Additional excursion tours will be available on demand.

## Forms

[Form 1 \(Abstract Form\)](#)

[Form 2 \(Registration Form\)](#)

[Form 3. \(Hotel Reservation\)](#)

## Abstracts submission

[Setting up the abstract](#)

## City information

All information concerning transport, restaurants, airports, culture, social events, shopping and entertainment you will find after one click on the picture of Moscow below.