

39th International Chemistry Olympiad

July 15-24, 2007
Moscow, Russian Federation

Chemistry Department, Moscow State University



IChO 2007
M O S C O W

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In mid-July 2007, 11 years since it last hosted the IChO, Russia will meet again the most talented young chemists from all over the world. There is no doubt that all IChO participants will experience traditional Russian hospitality and friendliness, while organizers will do their best to provide for fair and exciting competition.

Most events of the Olympiad will be located in Moscow, the capital of Russia, its biggest political, economic, scientific, educational and cultural center. Moscow changed greatly during the last decade. Those mentors and guests who have attended IChO-96 will have a chance to compare their impressions and see restored historical monuments, modern buildings, business centers and highways, new green islands which are always so charming inside big city. And those who will visit Moscow for the first time will undoubtedly enjoy unique Russian style which is based on long lasting traditions and readily open to everything new.



The main organizing bodies of IChO-07 are Ministry of Education of Russia and M.V.Lomonosov Moscow State University (MSU). Last year was of greatest importance to our University. In 2005 the whole Russia celebrated the 250th anniversary of MSU, country's first University. Many new facilities were passed to the operation to this date, including the new building of University library which most probably will become the venue of some Olympiad events. The Main building of Moscow State University is a world recognized architectural monument, one of Moscow symbols. Most guests of our Capital can admire it from outside only. And IChO participants will be invited in, since the Opening Ceremony is being planned there.

Both competition exams will be conducted at Chemistry Department, one of the biggest divisions of Moscow State University. Every day more than 1000 undergraduate students, 300 postgraduates and 2000 staff members enter numerous labs, halls and classrooms of Chemistry Department. Founded more than 70 years ago, the Department contributed a lot to the progress in various fields of chemistry. Now it is the biggest and most rapidly developing center of chemistry education and research in Russia deeply involved in international collaboration.

The leading educators of Chemistry Department always pay much attention to intellectual growth of new generations of scientists and search for young talented people in all, even most distant parts of the country. Thus, Chemistry Department has a long lasting friendship with chemistry Olympiads of different levels. A number of nowadays professors are involved in IChO-07 Science Committee. What is more, many former IChO participants from Russia and other countries are students at Chemistry Department now. They are strongly willing to contribute to IChO-07, and most of them will be involved in the work of Science Committee.



Preliminary information

Expected participation

70 countries, 280 students, 140 mentors, 150 scientific observers and guests

Host Organization

Chemistry Department, Moscow State University

Supported by Official Organizations:

Ministry of Education and Science, Russian Federation
Committee on Education, Government of Moscow
Russian Academy of Sciences
D.I.Mendeleev All-Russian Chemical Society
M.V.Lomonosov Moscow State University

Sponsored by:

LUKOIL oil company
BASIC ELEMENT company
Vladimir Potanin Charity Fund
Drofa Publishing House



Program

July 15 – Arrival

July 16 – Opening Ceremony (Assembly Hall, Main Building of MSU)

July 18 – Practical Examination (Laboratories of Chemistry Department, MSU)

July 20 – Theoretical Examination (Lecture Halls, Chemistry Department, MSU)

July 23 – Closing Ceremony (Congress Hall, New Academic Library, MSU)

July 24 – Departure

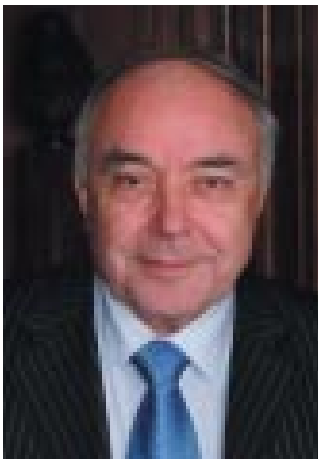
Theoretical Examination

The competition tasks are not decided yet, but we can share some secrets with you. We will prepare from 8 to 10 theoretical problems, covering all main branches of chemistry. The character of problems will vary from scientific popular, demonstrating the role of chemistry in everyday life, to challenging scientific problems being on the frontiers of chemistry. No test questions will be included. At least one problem will be based on discoveries of Russian chemists.

Practical examination

The students will start the competition with practical examination which will be held at MSU Chemistry Department. We estimate the number of competitors from 250 to 260. The average capacity of labs at Chemistry Department being of about 20, 15 identically equipped labs belonging to Divisions of Organic, Analytical, General and Inorganic Chemistry will be prepared for the exam. The number of tasks will be 2 to 3, there will be no change of labs during examination and students will do the whole work at one and the same place, all students will compete in one shift, hopefully tasks will be challenging and intriguing.





Professor V.V. Lunin,
*President of the 39th IChO,
Dean of the Chemistry
Department, Member of
Russian Academy of Sciences*

Organizing Committee

Chairman: Professor V.V. Lunin, Dean of the Chemistry Department, Moscow University, Member of Russian Academy of Sciences

Co-Chairman: G.A. Balykhin, Head of the Federal Education Agency

Members:

- 1) Professor V.V. Mironov, Vice-Rector of Moscow University
- 2) Associate Professor V.I. Shtepa, Vice-Dean of Chemistry Department
- 3) Professor N.E. Kuz'menko, Vice-Dean of Chemistry Department
- 4) Leading scientists and top officials of MSU and other scientific institutions and governmental organizations.

Science Committee (Chemistry Department, Moscow University)

Chairmen: Professor V.V. Eremin and Professor A.K. Gladilin

Members:

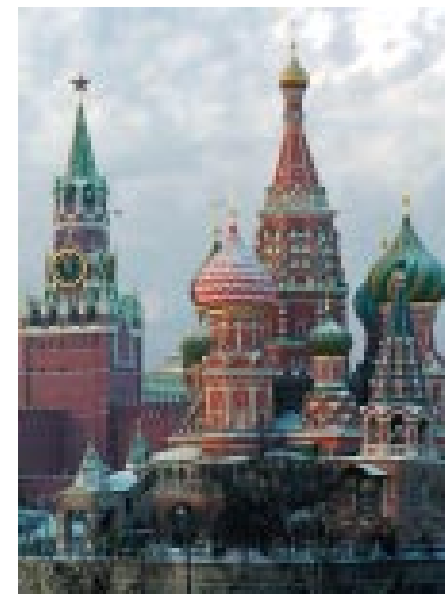
- 1) V.I. Terenin, Professor of Organic Chemistry
 - 2) M.V. Korobov, Professor of Physical Chemistry
 - 3) A.V. Garmash, Associate Professor of Analytical Chemistry
 - 4) A.V. Cheprakov, Associate Professor of Organic Chemistry
 - 5) A.A. Drozdov, Associate Professor of Inorganic Chemistry
 - 6) N.A. Melik-Nubarov, Researcher, Division of Polymer Science
- Undergraduates and postgraduates will be involved, especially former IChO participants

Accommodation

Students and mentors will be accommodated separately in comfortable club hotels in Moscow region, 30 to 100 km away from Moscow.

Excursions and Cultural Program

There are so many places of interest inside and around Moscow we would like to show to our distinguished guests. The exact Cultural Program of IChO-07 is under elaboration now. But we are pretty sure that the Olympiad participants will have a chance to get acquainted with Russian traditional folk arts, paintings of famous Russian and European artists, beautiful pieces of countryside landscape, architectural monuments coming from different epochs, as well as sample delicious dishes of Russian cuisine. Of course, the Kremlin and Red Square will be in the list of excursions. Also, we will provide our guests with a plenty of chances to buy souvenirs.



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Professor V.V. Lunin – President of the 39th IChO

Phone: +7 (095) 939-3571

e-mail: vvlunin@kge.msu.ru

Professor V.V. Eremin – Science Committee

+7 (095) 939-1286

e-mail: vadim@educ.chem.msu.ru

Professor A.K. Gladilin – Science Committee

+7 (095) 939-1601

e-mail: gladilin@direct.ru





Chemistry Department, Moscow State University,
Leninskie Gory, 1/3, Moscow, 119992, Russian Federation

Organizing committee

+7 (095) 939-3571

+7 (095) 939-1286

+7 (095) 939-1601

www.chem.msu.ru