

**CR-18**

**XVIII International Conference on Chemical Reactors**  
**CHEMREACTOR-18**

<http://www-sbras.nsc.ru/ws/CR-18/index.en.html>

**September 29 – October 3, 2008**  
**Malta**

**EFCE CONFERENCE**



**First Announcement and Call for Papers**

We are pleased to announce **XVIII International Conference on Chemical Reactors "CHEMREACTOR-18"** to be held on **September 29 - October 3, 2008, Malta**

This meeting continues a series of CHEMREACTOR conferences, the last events have been held in Helsinki (2001), Berlin (2003), Athens-Crete (2006). The Conference is traditionally devoted to the fundamental aspects and practical application of the catalytic processes and chemical reactors, as well as to the development of the novel modern technologies. The event is direct at presenting the latest achievements and understandings in the field of Chemical Engineering science and providing a venue for the fruitful interaction and exchange of ideas.

**THE ORGANIZERS**

- **Boreskov Institute of Catalysis of the Siberian Branch of Russian Academy of Sciences, Novosibirsk, Russia**
- **Russian Scientific and Cultural Center in Valletta, Malta**
- **Russian Center of International Scientific and Cultural Cooperation under RF Government**
- **Ministry of Education and Science of the Russian Federation**
- **European Federation on Chemical Engineering**
- **Scientific Council on Theoretical Fundamentals of Chemical Technology RAS**
- **Scientific Council on Catalysis RAS**

**INTERNATIONAL SCIENTIFIC COMMITTEE**

Mikhail G. Slinko, <b>Honour Chairman</b>	State Research Center "Karpov NIPCI", Moscow, Russia
Valentin N. Parmon, <b>Chairman</b>	Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia
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Raghunath Chaudhari	National Chemical Laboratory, Pune, India
Jiří Drahoš	Academy of Sciences of the Czech Republic, Prague, Czech Republic
Mike P. Duduković	Washington University, St. Louis, USA

Gerhardt Eigenberger	Stuttgart University, Germany
Pio Forzatti	Technical University of Milan, Italy
Sergei S. Ivanchev	St. Petersburg Department of Boreskov Institute of Catalysis SB RAS, Russia
John Gleaves	Washington University, USA
Valerii A. Kirillov	Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia
Nikolay N. Kulov	Kurnakov Institute of General and Inorganic Chemistry RAS, The Scientific Council on Theoretical Foundations of Chemical Technology RAS, Moscow, Russia
Guy Marin	Ghent University, Belgium
Wolter Prins	University of Twente, Enschede, The Netherlands
Alexander V. Putilov	Bochvar All-Russian Scientific Research Institute of Inorganic Materials, Moscow, Russia
Pavel D. Sarkisov	Mendeleev University of Chemical Technology of Russia, Moscow, Russia
Vladimir A. Sobyenin	Novosibirsk State University, Russia
Gennadii F. Tereschenko	Russian Academy of Science, St. Petersburg, Russia
Constantinos G. Vayenas	University of Patras, Greece

## ORGANIZING COMMITTEE

Alexander S. Noskov, <b>Chairman</b>	Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia
Nikolay N. Kulov	Kurnakov Institute of General and Inorganic Chemistry RAS, The Scientific Council on Theoretical Foundations of Chemical Technology RAS, Moscow, Russia
Victor A. Chumachenko	Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia
Aigana P. Kagyrmanova	Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia
Sergey Yu. Medvedev	Russian Scientific and Cultural Center, Valletta, Malta
Irina V. Pivovarova	Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia
Sergei I. Reshetnikov	Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia
Alexey A. Spiridonov	Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia
Vadim A. Yakovlev	Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia
Tatiana V. Zamulina, <b>Secretary</b>	Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia

## SCIENTIFIC PROGRAM

Scientific program will comprise plenary invited lectures, oral presentations and posters on the following topics:

- ◆ **Kinetics of catalytic reactions.** *The Section is dedicated to the 100<sup>th</sup> anniversary of Professor M.I. Temkin, the outstanding specialist in the field of physical chemistry and chemical kinetics*
- ◆ **Physico-chemical and mathematical fundamentals of the processes in chemical reactors**
- ◆ **Catalytic processes' development and reactors design: modeling, optimization, new catalyst application**
- ◆ **Catalytic technologies in fuel and energy production**
  - *production of hydrogen*
  - *production of environmental friendly fuels*
  - *environmentally friendly engineering*
- ◆ **Catalytic processing of renewable sources: fuel, energy, chemicals**

## LANGUAGE

The official language of the Conference is English.

## SUBMISSION OF ABSTRACTS

We encourage you to submit the abstracts before **February 1, 2008** for either oral or poster presentations. The abstract should not exceed 2 pages including tables, artworks and references. Please indicate the preferred topic and the form of presentation (oral, poster). The final decision rests with the Scientific Committee. Guidelines for oral and poster presentations will be given to speakers with notification of acceptance.

For a uniform appearance, we would appreciate your cooperation in following the next rules:

**Title:** Times New Roman, 14 pt, capital, bold, centered

**Authors** (please underline the presenting author): Times New Roman, 12 pt, bold, centered

**Affiliation** (including address, fax and E-mail): Times New Roman, 12 pt, italic, centered

**Text:** Times New Roman, 12 pt, 1,5 line space, justified, 2,5 cm margin all around of A4 paper

**Headings:** Times New Roman, 12 pt, bold

**References:** Times New Roman, 10 pt

- **Deadline for the abstracts submission – February 1, 2008**
  - **Acceptance notification – March 30, 2008**
- **The abstracts should be submitted by E-mail [zam@catalysis.ru](mailto:zam@catalysis.ru) as attached Word-file**  
(the name of the file should be defined as the Last name of the presenting author)

## **PUBLICATION OPPORTUNITIES**

CD with the abstracts of the plenary lectures and accepted presentations will be available at the Conference. Program-brochure will contain the short annotations of the accepted communications. The full texts of presented contributions will be reviewed and published after the Conference as a special issue of the Chemical Engineering Journal. The authors of accepted abstracts will receive special instructions for the preparation of the final papers for the Proceedings with notification of acceptance. The manuscripts should be submitted after the Conference by E-mail [zam@catalysis.ru](mailto:zam@catalysis.ru) before October 20, 2008.

## **EXHIBITION**

Organizations wishing to consider participation in the exhibition (devices, plane-tables), placing the advertising materials on CD, giving the advertising presentation are invited to express their interest.

## **APPLICATION**

- Registration on Web site: <http://www-sbras.nsc.ru/ws/cr-18/index.en.html>  
You should fill in the Application form and give the title of the presentation
- By electronic mail (please send attached Application form)

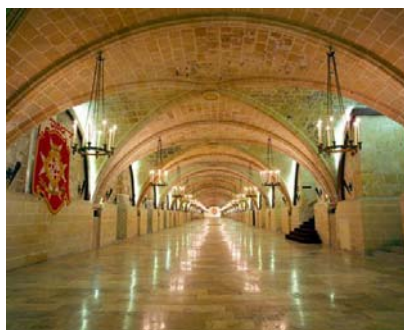
## **REGISTRATION FEE**

The registration fee is expected to be 550 Euro for each registered participant of the Conference with reduced (300 Euro) rate for students. Registration fee includes all conference documentation, Welcome reception, lunches, refreshments, 2 excursions. The procedure for final registration, hotel reservation (the hotels will be booked starting from September 26) will be given in the Information letter 2.

**Academic rate including educational organizations (as well as for all accompanying persons): 350 Euro with reduced (250 Euro) rate for students and PhD students.**

## **LOCATION**

**Malta** is a small, developed Mediterranean island, positioned as a cultural stepping-stone between Europe and North Africa. Consisting of 7 islands it is a popular resort place due to its tropical climate, exciting nightlife, and a history dating back thousands of years. The capital of Malta is Valletta. The foundation stone for the city was laid by the Grandmaster of the Order of Saint John, Jean Parisot de la Valette, on 28 March 1566. Valletta is a fortified town, and is supposedly the best and most powerful old fortifications in the world. There are many public gardens and places which offer fantastic views of the magnificent Grand Harbour and other surroundings.



**Please, note: Malta will join Shengen on January 1, 2008**

## SOCIAL PROGRAM

The city-tour of Valletta and one-day excursion to Gozo are included in the package of the registration fee. Yacht sea-trip, excursion to Sicily and guided tour around Malta including excursion to Mdina will be offered to the participants optionally.

**The Organizing Committee invites the participants to enter the excursions before and after the conference:**

### **September 28 (start on 7.30 a.m.): one-day excursion to GOZO**

Gozo is the island of Myths and Mysteries. Its history goes back to 5000 BC when a group from Sicily succeeded in crossing over on some form of sea-craft. There is a suggestion that Gozo might have been settled earlier than Malta. Gozo is the second largest island of the Maltese Archipelago that consists of three islands known as Gozo, Comino and mainland Malta. Compared to its neighbour islands, Gozo is more rural and known for its scenic hills. It is rich in historical locations such as the Ġgantija temples, which are the world's oldest free-standing structures, as well as the world's oldest religious structures.



### **October 3: excursion to SICILY (ITALY) with visiting of Etna volcano (100 Euro)**

**Start in the morning** (7 a.m., duration of the trip Malta - Sicily - 2 hours by Ferry), **coming back in the late evening** (start from Sicily on 9 p.m.)



Sicily is an autonomous region of Italy and the largest island in the Mediterranean with an area of 25,708 km<sup>2</sup> (9,926 sq. miles) and five million inhabitants. The place where the mountains meet the sea, Sicilia is the island in the sun, home to Heavenly beaches, majestic mountains and Europe's greatest natural wonder, Mount Etna. The Etna, rising in the center of a volcanic area of Sicily, is the highest active volcano in Europe (3,323 meters). It is also one of the world's most active volcanoes. Sicily has beckoned seafaring wanderers since the trials of Odysseus were first sung in Homer's *Odyssey*. Strategically poised between Europe and Africa, this mystical land of three corners and a fiery volcano was the

site of two of the most enlightened capitals of Europe: the ancient Greek city at Siracusa, and, in medieval times, the Arab-Norman one at Palermo. The island has been a melting pot of great Mediterranean cultures: Greek and Roman; then Arab and Norman; and finally French, Spanish, and Italian. Sicily reflects these influences in a rich tapestry of art and architecture that includes massive Romanesque cathedrals, two of the best-preserved Greek temples in the world, Roman amphitheatres, and baroque palaces and churches. Thirty centuries of history expressed in the Classical, the Romanesque, the Gothic, the Baroque...

### **October 4: excursion to MDINA; guided tour around MALTA, panorama of the Grand Harbour Marina (price to be announced)**

**Mdina** (also sometimes called **Medina**) is the old capital of Malta. It is a medieval town, with narrow quiet streets, situated in the centre of the island. It is also known as the "Silent City". It commands a magnificent view of the Island. Evidence for settlement in Mdina goes back to over 4000 BC. Today, no cars (other than those of a limited number of residents, emergency vehicles, wedding cars and hearses) are allowed in Mdina and there is a calming atmosphere as one walks along its narrow stone streets and ways. The city displays an unusual mix of Norman and Baroque architecture, including several palaces, most of which serve as private homes. The Siculo-Norman Cathedral (11 century) is worth visiting and is fronted by a large beautiful square.

## IMPORTANT CONFERENCE DEADLINES

<b>February 1, 2008</b>	Submission of abstracts and application forms. Your earlier registration with the title of the presentation is greatly appreciated
<b>March 30, 2008</b>	Acceptance notification, distribution of the Second Announcement
<b>July, 2008</b>	Distribution of the preliminary program
<b>August 1, 2008</b>	Confirmation of participation
<b>September 1, 2008</b>	Distribution of the final program
<b>September 27-28, 2008</b>	On site Registration
<b>September 29, 2008</b>	Conference starts

**Please, contact for details:**  
CHEMREACTOR-18 Organizing Committee  
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Web: <http://www-sbras.nsc.ru/ws/CR-18/index.en.html>



## APPLICATION FORM

First name \_\_\_\_\_

Family name \_\_\_\_\_

Degree, position \_\_\_\_\_ Mr.  Ms.

Affiliation \_\_\_\_\_

Country \_\_\_\_\_

Mailing address(with zip code) \_\_\_\_\_

Tel. \_\_\_\_\_ Fax \_\_\_\_\_

E-mail address \_\_\_\_\_

I intend to participate in the Conference without contribution

I intend to submit a contribution, preferably by

◇ **Oral Presentation**

◇ **Poster Presentation**

Title of the paper, names of co-authors \_\_\_\_\_

Preferred topic \_\_\_\_\_

### Optional excursions:

I would like to join Yacht night sea-trip on October 1 (70 Euro)

I intend to participate in the excursion to Sicily (Italy) on October 3 (100 Euro)

I intend to participate in the excursion to Mdina and guided tour around Malta on October 4 (the price to be announced)

I will be accompanying by \_\_\_\_\_ person