

# ICHMS'2009

The present Conference follows the nine previous meetings in this series in Ukraine from 1987 to 2007. The 10th International Conference intends to keep the customary themes of discussion.

## ICHMS'87

Odessa, Ukraine, September 22-25, 1987

## ICHMS'89

Odessa, Ukraine, September 22-25, 1989

## ICHMS'93

Katsiveli, Crimea, Ukraine, October 8-15, 1993

## ICHMS'95

Katsiveli, Crimea, Ukraine, September 2-8, 1995

## ICHMS'97

Katsiveli, Crimea, Ukraine, September 2-8, 1997

## ICHMS'99

Katsiveli, Crimea, Ukraine, September 2-8, 1999

## ICHMS'01

Alushta, Crimea, Ukraine, September 16-22, 2001

## ICHMS'03

Sudak, Crimea, Ukraine, September 14-20, 2003

## ICHMS'05

Sevastopol, Crimea, Ukraine, September 5-11, 2005

## ICHMS'07

Sudak, Crimea, Ukraine, September 22-28, 2007

## GENERAL INFORMATION

**SCIENTIFIC CONFERENCE PROGRAM** will include invited plenary lectures, oral and poster presentations.

**THE OFFICIAL LANGUAGES** of the conference will be Russian and English (with simultaneous translation).

**THE BOOK OF EXTENDED TWO-PAGE ABSTRACTS** will be available for all registered participants for the conference. Detailed information for abstracts preparation will be given in the next announcement.

## CONFERENCE TOPICS

- 1 Metal Hydrides
  - 1.1 Preparation and Production of Metal Hydrides
  - 1.2 Physical and Chemical Properties of Metal Hydrides
  - 1.3 Utilization of Metal Hydrides
- 2 Carbon Nanostructural Materials
  - 2.1 Preparation and Production of Fullerenes and other Carbon Nanostructures
  - 2.2 Physical and Chemical Properties
  - 2.3 Hydrogen Storage in Nanostructural Carbon
  - 2.4 Other Applications of Carbon Nanomaterials
- 3 Fuel cells (Fundamentals, materials, validations and applications)
- 4 Hydrogen Energy and Environmental Problems
- 5 Carbon Nanomaterials in Clean Energy Hydrogen Systems

## PROCEEDINGS

Full-length papers will be published in special issue of "International Journal of Hydrogen Energy", in International Journal "Carbon" and in the book of NATO Science Series.

## ORGANIZERS

National Academy of Sciences, Ukraine  
Russian Academy of Sciences, Russia  
National Academy of Sciences, Azerbaijan  
Science and Technology Center in Ukraine  
International Association for Hydrogen Energy, USA  
Association for Hydrogen Energy, Ukraine  
Int. Centre for Hydrogen Energy Technologies UNIDO, Turkey  
Institute for Problems of Materials Science of NAS, Ukraine  
Institute of Hydrogen and Solar Energy, Ukraine  
Institute of Metal Physics of NAS, Ukraine  
Institute of Physical Chemistry of PAS, Poland  
Institute of Problems of Chemical Physics of RAS, Russia  
Institute of Solid State Physics of RAS, Russia  
Clean Energy Research Institute, USA  
International Energy Foundation, Canada

## CONFERENCE CHAIRMAN

### OF INTERNATIONAL ORGANIZING COMMITTEE

Prof. *B. Baranowski*, Institute of Physical Chemistry, Warsaw, Poland

## CONFERENCE HONORARY CHAIRMAN

Prof. *T.N. Veziroglu*, President of International Association for Hydrogen Energy, Miami, USA

## CHAIRMAN OF PROGRAM COMMITTEE

*Dmitriy V. Schur*, Institute for Problems of Materials Science, Kiev, Ukraine

## CO-CHAIRMEN OF PROGRAM COMMITTEE

*Svetlana Yu. Zaginachenko*,  
Institute for Problems of Materials Science, Kiev, Ukraine  
*Boris P. Tarasov*,  
Institute of Problems of Chemical Physics, Chernogolovka, Russia  
*Yuriy M. Shul'ga*,  
Institute of Problems of Chemical Physics, Chernogolovka, Russia

## IMPORTANT DATES:

2nd Announcement, call for abstracts:	February, 2009
Abstract submission deadline:	April 30, 2009
Notification of abstracts acceptance:	May, 2009
Deadline for Pre-registration:	July 15, 2009
Submission of full-length papers for review:	August 25, 2009



**August 25 - 31 , 2009**  
**Yalta-Crimea - UKRAINE**

**Carbon Nanomaterials in Clean Energy Hydrogen Systems**

## ICHMS'2009 APPLICATION FORM

For acquaintance with technical and sightseeing tours of Yalta region, see the web site:

<http://www.yalta.com.ua>  
<http://www.blacksea-crimea.com/places/yalta2.html>  
<http://www.happytellus.com/yalta/ukraine>  
<http://www.tanser.com.ua/en/yalta.html>  
[http://www.mt.crimea.com/yalta.palaces\\_sightseeing.html](http://www.mt.crimea.com/yalta.palaces_sightseeing.html)  
<http://www.en.wikipedia.org/wiki/yalta>  
<http://www.webtourist.net/ukraine/yalta/tourist-information.phtml>  
<http://www.ukraine-travel-advisor.com/yalta-map.html>  
<http://jalita.com>

A number of sightseeing tours by buses and ships in and around Yalta city and along the Black sea-coast will be offered for participants and accompanying persons.

Yalta has a subtropical climate, which means sunny and dry summers with short winters. Average monthly high temperatures during the summer, which in Yalta lasts from June to September, are around 25-30 °C. Average temperature of water of Black sea in a swimming season is 22-24 °C.

You can get to ICHMS'2009 venue by train or by transport aircraft to Simferopol. The participants will be transported from Simferopol railway station and airport to ICHMS'2009 conference site by shuttle buses.

Scientists and researchers from Academical institutes and Industrial enterprises actively interested in the science and technology of hydrogen materials science and chemistry of carbon nanomaterials are invited to apply for participation in ICHMS'2009 Conference and You will receive further announcements with registration forms and call for abstracts.

The authors are invited to submit the application electronically via the conference website at:

<http://www.ichms.com.ua>

or send by e-mail:

[shurzag@materials.kiev.ua](mailto:shurzag@materials.kiev.ua)

For more information and for those who are interested in receiving the second announcement, please contact:

Dr. D.V. Schur, Prof. S.Yu. Zaginachenko,  
Program Committee of ICHMS'2009 Conference, P.O. Box 195,  
Kiev-150, 03150 UKRAINE

Tel./ Fax: 38(044) 424-0381, 522-5516

E-mail: [shurzag@materials.kiev.ua](mailto:shurzag@materials.kiev.ua), <http://ichms.com.ua>

Last Name \_\_\_\_\_

First Name \_\_\_\_\_

Title (Prof/Dr/Mr/Ms etc.) \_\_\_\_\_

Company / Organization \_\_\_\_\_

Address \_\_\_\_\_

Postal Code \_\_\_\_\_

City \_\_\_\_\_

Country \_\_\_\_\_

Tel \_\_\_\_\_

Fax \_\_\_\_\_

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

I am interesting in oral/poster presentation \_\_\_\_\_

Paper Title \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Topic \_\_\_\_\_

Date \_\_\_\_\_

**Please, return this Form as soon as possible**

ICHMS'2009 conference will be held in "Yalta-Intourist" Hotel, Yalta, Crimea (<http://www.hotel-yalta.com>). Its unique location in the center of the picturesque Massandra Park on the Black Sea coast makes the hotel an ideal place for a nice rest and carrying out of international meetings.

Yalta – is a nice city and most famous resort area on the Southern coast of Crimean peninsula and is the summer capital of Ukraine. It is also administrative, cultural and centre of science in Crimea. Yalta is the sea gate of Southern coast of Crimea, the international port of Ukraine. Yalta is rich in cultural-historical sights at its territory, there are many ancient palaces, ancient churches and temples, museums and sculptures of 19th – the beginning of 20th centuries. Here it is possible to walk through the ancient streets where outstanding writers, composers and artists lived. The most interesting places are: Yalta's embankment, main thoroughfare and centre of all activities, Catholic church, Lutheran church (Lutheran kirka of St. Maria), Armenian church, John Zlatoust's temple, Alexander Nevsky cathedral, aerial cable-way on Ay-Petri mountain plateau (1200 m above sea level), from which the view of Yalta opens.

When You come Crimea You should be aware there are two "Yaltas" – Greater (Big) Yalta stretching for 72 km along the coast of the beautiful Black sea and Yalta city. Greater Yalta is several small resort towns as Gurzuf, Livadia, Massandra, Koreis, Miskhor, Alupka, Simeiz on the sea-coast. Alupka (Vorontsov), Livadia and Massandra palace-museums, museum of Institutes of Viticulture and Wine-making "Massandra" and "Magarach", Nikitsky Botanical garden, Uchan-su waterfall, so-called Swallow's Nest castle, ancient Greek city of Kherones, Genoese fortress and others – the list of places to visit is endless in Greater Yalta.



In Livadiya, Crimea 3 km west of Yalta the Great Livadiysky palace is constructed in the Renaissance style with Byzantine, Arab and Gothic elements in 1910-1911. Livadia Palace was the former summer residence of the Russian Tsars: Alexander II, Alexander III and Nikolay II. In 1945 the palace was chosen for the Yalta conference - a historic summit of three anti-Hitler coalition member states: the USSR, the USA and Great Britain.

The salubrious climate of Crimea, picturesque landscapes, unique monuments of nature, history and architecture will promote You unforgettable rest in Yalta.