

ICHMS'2013



June 17 - 21 , 2013
Yalta-Crimea - UKRAINE

**Clean Energy Hydrogen
Systems for Peace and Security**

The present Conference follows the nine previous meetings in this series in Ukraine from 1987 to 2009. 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

ICHMS'09

Yalta, Crimea, Ukraine, August 25 - 31, 2009

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 CD OF EXTENDED TWO-PAGE ABSTRACTS will be available at the registration on conference. Detailed information for abstracts preparation will be given in the next announcement.

CONFERENCE TOPICS

- 1 Metal Hydrides
 - 1.1 Production and properties of Metal Hydrides
 - 1.2 Utilization of Metal Hydrides
- 2 Carbon Nanostructural Materials
 - 2.1 Preparation and properties of Carbon Nanostructures
 - 2.2 Hydrogen Storage in Nanostructural Carbon
- 3 Application security of nanomaterials and nanocomposites
 - 3.1 Nanomaterials in energetics (fuel cells solar cells)
 - 3.2 Safe use of nanomaterials in industry and medicine
 - 3.3 Toxicity of nanomaterials and their nanocomposites
 - 3.4 Nanotechnology and environment

PROCEEDINGS

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

ORGANIZERS

National Academy of Sciences, Ukraine
Russian Academy of Sciences, Russia
Science and Technology Center in Ukraine
International Association for Hydrogen Energy, USA
Association for Hydrogen Energy, Ukraine
Int. Center Hydrogen Energy Technology 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. Zaginichenko,
Institute for Problems of Materials Science, Kiev, Ukraine
Yuriy M. Shul'ga,
Institute of Problems of Chemical Physics, Chernogolovka, Russia
Boris P. Tarasov,
Institute of Problems of Chemical Physics, Chernogolovka, Russia

IMPORTANT DATES:

Submission of applications:	January, 2013
2nd Announcement, call for abstracts:	January, 2013
Abstract submission deadline :	March, 2013
Notification of abstracts acceptance:	April, 2013
Deadline for Pre-registration:	May, 2013
Submission of full-length papers for review:	June, 2013

ICHMS'2013 APPLICATION FORM

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'2013 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.

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.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 ARW 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'2013 venue by train or by transport aircraft to Simferopol. The participants will be transported from Simferopol railway station and airport to ICHMS'2013 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'2013 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://ichmns.org/>

or send by e-mail:

shurzag@materials.kiev.ua
org@ichms.org

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

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

E-mail: shurzag@materials.kiev.ua, org@ichms.org,
<http://ichms.org/>



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.