

# 8<sup>th</sup> Asia-Pacific International Symposium on Combustion and Energy Utilization (8th APISCEU)

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PAPERS

*Zapolyarye Sanatorium* ★★★★★

*Sochi Scientific-Research Center of the Russian Academy of Sciences  
Sochi, Russian Federation, October 10-12, 2006*



## SECOND ANNOUNCEMENT

Important Dates: Abstracts due: May 01, 2006  
Information of acceptance: May 15, 2006  
Manuscripts due: June 15, 2006

URL: <http://APISCEU.narod.ru>



*Welcome to the 8th Asia-Pacific International  
Symposium on Combustion and Energy Utilization*

## Introduction to APISCEU

The 8th Asia-Pacific International Symposium on Combustion and Energy Utilization (8th APISCEU) will be held on October 10-12, 2006 in Sochi, at the Sochi Scientific-Research Center of the Russian Academy of Sciences. The 1st and the 2nd APISCEU were held in Beijing in 1990 and 1993 respectively, the 3rd APISCEU was held in Hong Kong in 1995, the 4th APISCEU was held in Bangkok in 1997, the 5th APISCEU was held in Shanghai in 1999, the 6th APISCEU was held in Kuala Lumpur in 2002 and the 7th APISCEU was held in Hong Kong SAR in 2004 at the Hong Kong Polytechnic University.

The 8th APISCEU will be jointly organized by the Institute of Engineering Thermophysics of the Chinese Academy of Sciences, Combustion Institute, Sochi Scientific-Research Center of the Russian Academy of Sciences and the Institute of Applied Mechanics, Ural Branch of the Russian Academy of Sciences.

APISCEU provides a forum for discussion and for presentation of research papers on combustion science and technology. Scientists and practicing engineers interested in combustion and energy utilization are invited to attend and participate in this biennial event.



## The Aim of the Symposium

is to provide forum for objective analysis of the state-of-the-art of research in the field of fundamental and applied Combustion Science.

This Symposium will maintain the objectives of the previous APISCEU to provide a forum for exchanging scientific ideas and discussing the common problems amongst Asia-Pacific countries.

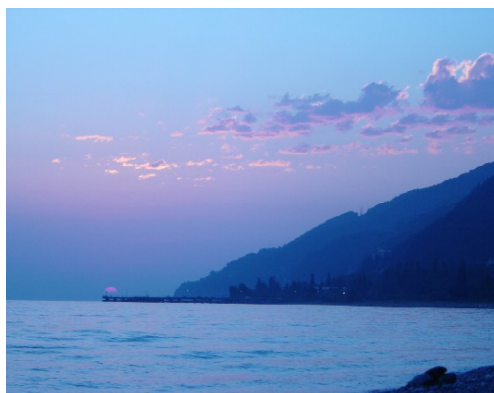


## Organization of Symposium

Based on the collected abstracts, the Organizing Committee will form the list of technical sessions at the Symposium. Each session will be started with a plenary lecture followed by contributed presentations of technical papers. Both oral and poster presentations will be organized. At the end of the Symposium, it is planned to organize an open Panel Discussion on a specific topic of interest. The plenary lectures are intended as reviews of recent worldwide research accomplishments and future outlook. They will be delivered by internationally recognized experts in the specific areas. The contributed papers will be on latest results of basic and applied research in the areas covered in the Symposium. The topic of the Panel Discussion will be notified in the Final Announcement. The panel will consist of scientists and industry experts. Arrival of participants - October 09, 2006.

The participants will be met at the airport by the representatives of the Local Organizing Committee with the “8<sup>th</sup> APISCEU” plate. Departure of participants - October 13, 2006. All the participants are kindly requested to purchase air or railway tickets to and from Sochi on their own.

## Symposium Venue



The Symposium will be held at the four-star Zapolarye Sanatorium. This sanatorium is situated in the center of Sochi, the famous Russian recreation resort on the Black Sea shore. The Zapolarye Sanatorium offers first-class services such as business-centre, post office, bank, travel service, restaurants, snack bars. There one finds comfort, wonderful landscape, and mild subtropical climate. There is modern sport complex including gymnastic halls, swimming pools, tennis courts, and other facilities. The air temperature in the early October is about 23 – 25 C above zero and the temperature of the water in Black sea is 21 - 22 C above zero.

No matter what time of the year you come here, the picture is the same - sunshine and greenery all over. There are few cities in the world so rich in greenery as Sochi. Three-quarters of its territory are under parks and gardens with 85 per cent of evergreens. Sochi has something for everyone.

### Details about Zapolarye Sanatorium:

#### Address:

Zapolarye Sanatorium,  
10, Pirogova Str., Sochi, 354073,  
Krasnodar Territory, Russian Federation

Tel.: +7 (8622) 599 512, 599 220, 599 217,  
599 495, 599 357

Fax: +7 (8622) 599 313, 531 626

URL: <http://www.zapolarye.ru>

E-Mail: [zapol\\_market@mail.ru](mailto:zapol_market@mail.ru)  
[zapol2000@mail.ru](mailto:zapol2000@mail.ru)

Information about Sochi is presented on the Symposium web-site, in the file <SOCHI-ENG.pdf> .



KADOTA, Toshikaz	Osaka Prefecture University, Japan
KOBAYASHI, Hideaki	Tohoku University, Japan
LAKSHMISHA, K.N.	Indian Institute of Science, India
LAW, C.K.	Princeton University, USA
LEE, John H.S.	McGill University, Canada
LI, Benqiang	Washington State University, USA
LIPANOV, Alexey M.	Institute of Applied Mechanics, Ural Branch of the Russian Academy of Sciences, Russia
LIU, Shi	Institute of Engineering Thermophysics, CAS, China
MA, Hsiao-Kang	National Taiwan University, Taiwan
MASRI, Assaad Rachid	University of Sydney, Australia
NIIOKA, T.	Tohoku University, Japan
NIKAZAR, M.	Amirkabir University of Technology, Iran
SMITH, David B.	University of Leeds, England
TAKEI, M.	Nihon University, Japan
WALL, Terry F.	University of Newcastle, Australia
WEBER, Roman	TU Clausthal, Germany
WU, Daohong	Beijing Shenwu Thermal Energy Technology Co., LTD, China
XIA, Dehong	University of Science and Technology Beijing, China
YANG, J.T.	National Tsinghua University, Taiwan
YAO, Qiang	Tsinghua University, China
ZHANG, Dong-Ke	Curtin University of Technology, Australia
ZHANG Xiaoqian	Institute of Engineering Thermophysics, CAS, China
ZHOU, Lixing	Tsinghua University, China

### Secretary

LIU, Xin	Institute of Engineering Thermophysics, CAS, China
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## Technical Committee

Acad. LIPANOV, A.M. (Co-Chairman)	Institute of Applied Mechanics, Ural Branch of the Russian Academy of Sciences, Izhevsk, Russia
Prof. AMIRKHANOV, M.M. (Co-Chairman)	Sochi Scientific-Research Center of the Russian Academy of Sciences, Sochi, Russia
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Prof. HUANG, Z.	Shanghai Jiaotong University, China
Prof. ZHANG, X.Q.	Chinese Academy of Sciences, China
Prof. CHAMPION, M.	Laboratoire de Combustion et de Detonique, France
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Prof. LAW, C.K.	President of the Combustion Institute, Princeton University, USA
Prof. VISKANTA, R	Purdue University, USA

## Local Organizing Committee

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Prof. AMIRKHANOV, M.M. (Co-Chairman)	Sochi Scientific-Research Center of the Russian Academy of Sciences, Sochi, Russia
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Dr. LUKIN, A.N. (Secretary)

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Dr. KIZILOVA, O.V. (Secretary)

Ms. SAIDAKOVSKAYA, L.V.

Institute of Applied Mechanics, Ural Branch of the Russian Academy of Sciences, Izhevsk, Russia

Sochi Scientific-Research Center of the Russian Academy of Sciences, Sochi, Russia

Sochi Scientific-Research Center of the Russian Academy of Sciences, Sochi, Russia

Touristic Company "SG Tours", Sochi, Russia

## Registration

Intending participants are requested to submit Registration Form to the Symposium Local Committee via email to the following email address: < [apsymposium@rambler.ru](mailto:apsymposium@rambler.ru) > before June 15, 2006.

Please download and complete Registration Form from the Symposium web-site: <http://APISCEU.narod.ru>. Registration forms received without the complete contact address or without payment will not be accepted.

## Submission of Abstracts

Intending authors are requested to submit an abstract of about 300 words in length, in MS Word format, to the Symposium Technical Committee via email to the following email address: < [APISCEU@bk.ru](mailto:APISCEU@bk.ru) >.

The abstract should state clearly and briefly the major results of the works. The text is required to be in font size of 14. Font style should be Times New Roman and line spacing should be 1.0. Please include the title and topic area(s) of the paper, authors' names, affiliation, addresses, telephone, fax and email addresses. Please indicate your preference for oral or poster presentation. **Deadline for abstract submission - May 01, 2006.** Notification of acceptance of abstract - May 15, 2006.

Authors of selected papers will have to submit full text in camera ready form for publication.

## Submission of Papers

Full papers should be submitted to the Symposium Technical Committee via email to the following email address: < [APISCEU@bk.ru](mailto:APISCEU@bk.ru) >. Guidelines for submission of a manuscript to the 8<sup>th</sup> APISCEU can be downloaded from the Symposium web-site: <http://APISCEU.narod.ru>.

**Deadline for the full paper submission - June 15, 2006.** The Technical Committee of the 8th APISCEU will select papers with quality and originality for presentation at the Symposium and for publication in the Symposium Proceedings. Only papers of those authors who have paid the registration fee and intend to attend the Symposium will be published in the Symposium Proceedings.

## Symposium Proceedings

All papers accepted for presentation will be incorporated in a CD and the abstracts in an Abstracts Book, which will be available at the time of the Symposium.

## Presentation of papers

Data, slide and sheet projectors, overhead projector and devices for Power Point presentation will be available during oral presentation.

## Registration Fees

Intending participants are requested to transfer the registration fee to the bank account of the Symposium Local Committee. **Deadline for Registration Fee payment - June 15, 2006.**

The Registration Fee includes access to all scientific-technical sessions, exhibition and poster area, access to the opening ceremony, a copy of the book of abstracts, a copy of the CD Proceedings, a participant's kit, Symposium name badge and program, Attendance certificate, organizational costs, rent of halls, rent of office and demonstration equipment, transportation costs at arrival and departure, cultural events, rooms reservation at the Zapolarye Sanatorium, interpreters service, visa support, one excursion ticket for sightseeing tour of Sochi and visit to Joseph Stalin's dacha (his summer residence), refreshments and coffee breaks during the Symposium, one ticket to Welcome Reception and one ticket to Closing Dinner.

<b>Payment of the Registration Fee by cash is not acceptable</b>		
<b>Category of Symposium Participants</b>	<b>With Visa Support</b>	<b>Without Visa Support</b>
<b>Delegates</b>	<b>11 000 Russian rubles</b>	<b>10 000 Russian rubles</b>
<b>Accompanying persons</b>	<b>8 000 Russian rubles</b>	<b>7 000 Russian rubles</b>
<b>Students</b>	<b>4 000 Russian rubles</b>	<b>3 000 Russian rubles</b>
<b>Additional information: in November 2005 the exchange rate was the following: 1 US dollar = 28.57 Russian rubles, that is 10 000 Russian rubles = 350 US dollars</b>		

All payments should be provided in the US Dollars in accordance with exchange rate of the Central bank of Russia through the following bank account:

#### **SG Tours Company US Dollar Account:**

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SWIFT: BKTRUS33, ACCOUNT N 04414534 in favour of Gazprombank  
BENEFICIARY: 000 KB "SOCHIGAZPROMBANK" Sochi Non-SWIFT BIC  
SOCHRU21 ACCOUNT with instr-addr:  
Number: 30109840000000006170 in the "GAZPROMBANK" MOSCOW  
BENEFICIARY CUSTOMER: ACCOUNT 40702840200000100078  
ZAO TOK SG TOURS**

**Please state Participant's name and the purpose of payment: "For Organization of the 8th Asia-Pacific International Symposium on Combustion and Energy Utilization".**

**Please, send a notice of bank transfer of the Registration Fee by fax: +7 (8622) 64 5878 or by E-Mail: [apsymposium@rambler.ru](mailto:apsymposium@rambler.ru)**

## **Cancellation and Refunds**

In the event of a cancellation part of the registration fee will be refunded (90 % before July 15, 2006, 50% from July 15, 2006 to July 31, 2006). Refunds will be paid during 30 days after the Symposium. Unfortunately no reimbursement for cancellations received after July 31, 2006 but you are welcome to send a substitute delegate. Applications for cancellations and refunds of the Registration Fee should be sent to the Symposium Local Committee by E-Mail: [sgtours@sgtours.ru](mailto:sgtours@sgtours.ru).

## **Official Tour-Operator of Symposium**



**SG Tours Company**

SG Tours Company, Bldg. 11, Navaginskaya Str., P.O. Box 1007, Sochi, 354000, Krasnodar Territory, Russian Federation  
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Direct Moscow line: +7 (495) 234 3760  
E-Mail addresses:  
Main: [sgtours@sgtours.ru](mailto:sgtours@sgtours.ru) Directorate: [sg@sgtours.ru](mailto:sg@sgtours.ru)  
Finance: [finance@sgtours.ru](mailto:finance@sgtours.ru) URL: <http://www.sgtours.ru>  
Director General: Ms. Ludmila Saidakovskaya

**SG Tours is an officially registered tourist company in Russia (registration # 02-2417).**

## Accommodation

A wide range of accommodation choices will be available. All will be located within easy walking distance of the Symposium Venue. Special room rates for participants and guests attending this Symposium are shown in the Registration Form. Prices for different types of the rooms at the Zapolarye Sanatorium, including breakfast, lunch and supper, usage of swimming pool:

Single standard A/C	2560 Russian rubles per day ( US\$ 96 )
Double standard A/C	4010 Russian rubles per day ( US\$ 150 )
Double room (de luxe), one person	5200 Russian rubles per day ( US\$ 195 )
Double room (de luxe), two persons	6000 Russian rubles per day ( US\$ 225 )

### Accommodation at the Zapolarye Sanatorium



Please download and complete the Registration Form from the site: <http://APISCEU.narod.ru> and return it to the Official Tour-Operator of Symposium - SG Tours Company – E-Mail: < [apsymposium@rambler.ru](mailto:apsymposium@rambler.ru) >. Deadline for application for hotel reservation - June 15, 2006.

## Important Dates

Deadline for abstract submissions	May 01, 2006	
Notification of acceptance of abstract	May 15, 2006	
<b>Deadline for Registration form, Registration Fee payment and information for visa support</b>	<b>June 15, 2006</b>	
Deadline for full paper submission	June 15, 2006	
Notification of acceptance of full paper	July 01, 2006	
Confirmation of hotel reservation	July 01, 2006	
Cancellation and Refunds	90 %	before July 15, 2006
	50 %	from July 15, 2006 to July 31, 2006
	no refunds will be possible	after July 31, 2006
Arrival/Departure information	October 01, 2006	
Arrival of participants	October 09, 2006	
October 10-12, 2006	Date of Symposium	
Departure of participants	October 13, 2006	

## Contact Details

<p><b>Symposium Technical Committee</b></p> <p>Contact address for abstract/paper submissions and for Symposium Sponsors:</p> <p><b>APISCEU@bk.ru</b></p>	<p>Dr. Alexander N. Lukin Symposium Secretary The Eighth Asia-Pacific International Symposium on Combustion and Energy Utilization (8th APISCEU) Institute of Applied Mechanics, Ural Branch of the Russian Academy of Sciences, Bldg. 34, T.Baramzinoy Str., Izhevsk, Udmurtia Republic, 426067, Russian Federation</p> <p>Telephone: +7 (3412) 75 2731 Fax: +7 (3412) 50 7959 Email: APISCEU@bk.ru</p>
<p><b>Symposium Local Committee</b></p> <p>Contact address for Registration, Visa Support, Hotel Reservation, Arrival/Departure Information and Information Enquiries:</p> <p><b>apsymposium@rambler.ru</b> <b>+7 (8622) 64 5878</b></p>	<p>Ms. Olga Viktorovna Kizilova (English) Ms. Yelena Alekseyevna Rybak</p> <p>The Eighth Asia-Pacific International Symposium on Combustion and Energy Utilization (8th APISCEU)</p> <p>Sochi Scientific-Research Center of the Russian Academy of Sciences Bldg. 8-A, Teatralnaiya Str., Sochi, 354000, Krasnodar Territory, Russian Federation</p> <p>Telephone: +7 (8622) 62 5986; 92 3771 Fax: +7 (8622) 64 5878 Email: apsymposium@rambler.ru</p>



**Official Tour-Operator  
of Symposium - SG Tours Company**

Contact address for Cancellations:



**sgtours@sgtours.ru**

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**sgtours@sgtours.ru**

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***The Seventh Asia-Pacific International Symposium  
on Combustion and Energy Utilization  
(7th APISCEU),  
The Hong Kong Polytechnic University, Hong Kong SAR,  
December 15-17, 2004***

