Second Announcement of ISAPS ’13

March 2013

Call for Papers

The 9th International Symposium on
Applied Plasma Science

At
Istanbul, Turkey
September 23 — 27, 2013

Istanbul

ISAPS ’13

Sponsored by
Institute of Applied Plasma Science

Co-sponsored by
Sakarya University

In cooperation with
PSTI, UCLA
University of Belgrade
JWRI, Osaka University
IRS, University of Stuttgart
Technical University of Lublin

Supported by
TUBITAK
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Toshiro Matsumura  Nagoya University
Kazuya Kurokawa  Hokkaido University
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Jagos M. Puric  University of Belgrade
Yue Liu  Dalian University of Technology
Tadeusz Hejwowski  Technical University of Lublin

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Y. Ozbek (Sakarya Univ.), Huseyin Cimenoglu (ITU),
C. Bindal (Sakarya Univ.), F. Ustel (Sakarya Univ.)

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A. Momozawa (Tokyo City Univ.),
M. Tsukamoto (Osaka Univ.),
K. Murai (AIST Kansai),
S. Hanaki (Univ. of Hyogo),
A. Y. Wong (UCLA),
R. Hicks (UCLA),
T. Meek (Tennessee Univ.),
J. Schuster (Univ. of Wien),
M. Lewandoska (Warsaw Univ. Tech.),
P. Poza (ReyJuan Carlos Univ.),
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A. Afrasiasabi (KSTP),
Armed Turk (Sakarya Univ.),

K. Kurokawa (Hokkaido Univ.),
T. Kuroda (Osaka Univ.),
M. Yatsuzuka (Univ. of Hyogo),
J. Morimoto (Kinki Univ.),
H. Uchida (Univ. of Hyogo),
A. Ando (Tohoku Univ.),
M. Nakano (TokyoMetro. Col.Indus. Tech.),
Y. Ando (Ashikaga Inst. of Tech.),
K. Koike (Tohoku Gakuin Univ.),
T. Miyasaka (Gifu Univ.),
H. Tahara (Osaka Inst. of Tech.),
H. Waki (Iwate Univ.),
K. Fujimoto (Univ. of Tokyo),
T. Kubohori (Kinki Univ.),
A. Kakami (Miyazaki Univ.),
N. Ono (Tohoku Gakuin Univ.),
S. Sharafat (UCLA),
V. Gupta (UCLA),
A. Hassanein (Purdue Univ.),
H. Huang (Univ. of Connecticut),
T. Hejwowski (Tech. Univ. of Lublin),
M. J. Wozniak (Warsaw Univ. Tech.),
L. L. Raja (Univ. of Texas),
H. Ucisik (Bogazici Univ.),
V. S. Voitseyn (IPP, NSC KIPT),
A. Vincent-Randonnier (ONERA),
G. Herdrich (Univ. of Stuttgart),
G. Van Oost (Ghent Univ.),
J. Niu (NII),
J-L. Zhang (Dalian Univ. of Tech.),
C-J. Li (Xi’an Jiaotong University),
Y-M. Sung (Kyungsung Univ.),
A. B. Murphy (CSIRO, Australia),
M. P. Srivastava (Univ. of Delhi),
R. El-Shelhky (King Saud Univ.),
Abdullah Cahit Karaoglanli (ITU)
Dear Participant

It is our pleasure to invite you to participate in the 9th International Symposium on Applied Plasma Science (ISAPS '13) to be held at the HOLIDAY INN Istanbul City, September 23-25 and Sakarya University on September 26-27, 2013.

This symposium is held to promote international collaboration in Applied Plasma Sciences. The 1st International Symposium on Applied Plasma Science (ISAPS '97) was held at UCLA, Los Angeles, USA in 1997, on the occasion of the 5th anniversary of the Institute of Applied Plasma Science (IAPS). The 2nd symposium was held as the ISAPS '99 in Osaka, the 3rd as ISAPS '01 in Alaska, the 4th as ISAPS '03 in Kyoto, the 5th as ISAPS '05 in Hawaii, the 6th as ISAPS '07 in Nikko, the 7th as ISAPS '09 in Hamburg, and the 8th was held as ISAPS '11 in Hakone, Japan in 2011. The 9th symposium will be held as the ISAPS '13 in Istanbul, Turkey, organized by the Organizing Committee of ISAPS '13, which is co-sponsored by the IAPS and the Sakarya University, in cooperation with the PSTI at UCLA, University of Belgrade, JWRI at Osaka University, IRS at University of Stuttgart, Technical University of Lublin, Dalian University of Technology, and supported by TUBITAK in Turky this year.

The topics of this symposium focus mainly on plasma applications, including applications in microelectronics and application to environmental problems, as well as applications of other high-energy sources, such as electron, ion and laser beams. Participants in this symposium cover a wide range of interdisciplinary scientific activities in the fields of energy, mechanical, electrical, material, and chemical sciences. Therefore, attendance of this symposium is expected to enhance future scientific collaborations. Strong international collaboration on Applied Plasma Science is demanded to solve many problems in plasma applications to the processing of functional materials, microelectronics, environmental problems, as well as many other industrial applications.

We strongly recommend that you attend this symposium and present your research results in this interdisciplinary research field. We are looking forward to seeing you at the ISAPS '13.

Symposium chair: A. Kobayashi, Osaka Univ.
Co-Chair: S. Cem Okumus, Sakarya Univ.

◇ SCHEDULE ◇

<table>
<thead>
<tr>
<th>Deadline</th>
<th>Intention:</th>
<th>December, 2012</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Abstract:</td>
<td>March, 2013</td>
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<tr>
<td></td>
<td>Pre-registration:</td>
<td>May 15, 2013 (Payment of Pre-reg. Fee)</td>
</tr>
<tr>
<td></td>
<td>Manuscript:</td>
<td>May 15, 2013</td>
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</tbody>
</table>

1st Announcement: October 2012
2nd Announcement: March 2013
Program: June 2013
Research Fields for ISAPS ’13

Applications of Plasma Science and other high-energy sources (electron beam, ion beam, laser beam, etc.); Plasma applications in microelectronics; Plasma applications to environmental problems; Advanced materials & Characterization; and related applied sciences.

[Research Topics]

- Plasma production, diagnostics
- Propulsion, modeling & simulations
- Plasma processing (surface modification, deposition, thermal spray, etc.)
- Plasma processing for hybrid functionally materials
- Plasma applications to environmental problems
- Advanced plasma processing technologies
- Advanced materials (hybrid functionally materials, composite materials, etc.)
- Characterization and evaluation of materials
- Industrial applications of directed energy sources (e-beams, ion beams, lasers)

Guide to ISAPS ’13

[Language]

The official language for the conference will be English.

[Registration]

To attend the ISAPS ’13 Conference, please fill out the Intention Form or Registration Form and return it to Prof. A. Kobayashi. Each delegate must fill in a separate form.

All participants should pay the following Registration Fee at the registration desk. Registration will be open at the HOLIDAY INN Istanbul City in Istanbul, Turkey during September 22 – 27.

<table>
<thead>
<tr>
<th></th>
<th>member of IAPS</th>
<th>non member of IAPS</th>
<th>student</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Regular Reg. Fee</strong></td>
<td>50,000 JPY</td>
<td>60,000 JPY</td>
<td>30,000 JPY</td>
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<td></td>
<td>(450 EUR)</td>
<td>(550 EUR)</td>
<td>(250 EUR)</td>
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<tr>
<td><strong>Pre-registration Fee</strong></td>
<td>45,000 JPY</td>
<td>55,000 JPY</td>
<td>25,000 JPY</td>
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<td>(until May 15, 2013)</td>
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*Note:* Registration Fee for accompanying person is **15,000 JPY (120 EUR)**. Student who is not accompanied by regular participant should register as a regular participant.

The payment for **pre-registration** should be made in JAPANESE YEN.
**Pre-registration Fee** should be paid by Credit Card or remitted to the following Bank Account:

| Bank name: Sumitomo-Mitsui Banking Corporation Ibaraki Branch | SWIFT CODE: SMBC JP JT | Address: 7-6 Eidai-cho, Ibaraki, Osaka 567-0816, Japan | Phone: +81-72-624-4951 |
|                                                             |                       |                                                       |
| Account Name: ISAPS2013 | Account No.: 4127234  |                                                       |
**Abstract Book & Proceedings**

**Abstract Book:** The Abstract Book of the ISAPS ’13 will be published prior to the symposium. All presenters should submit their abstracts in advance. The deadline for the Abstract for the ISAPS ’13 is **April 30, 2013**. Late Abstracts may not be accepted for publication in the Abstract Book.

**Proceedings:** All papers in the proceedings must be refereed in advance. And the proper number of refereed papers will be published in the book “ADVANCES IN APPLIED PLASMA SCIENCE, Vol.9, 2013” by the IAPS at the time of the symposium.

The format of the manuscript will be sent to the prospective authors at a later date.

The deadline for the manuscript for the proceedings is **May 15, 2013**.

*Late manuscripts may not be accepted for publication in the symposium proceedings.*

**Categories in ADVANCES IN APPLIED PLASMA SCIENCE, Vol.9, 2013:**

This book mainly focuses on the applications of Plasma Science and other high energy sources (electron beam, ion beam, laser beam, etc.). The categories in this book are as follows:

- Plasma production, diagnostics
- Propulsion, modeling & simulations
- Plasma processing (surface modification, deposition, thermal spray, etc.)
- Plasma processing for hybrid functionally materials
- Plasma applications to environmental problems
- Advanced plasma processing technologies
- Advanced materials (hybrid functionally materials, composite materials, etc.)
- Characterization and evaluation of materials
- Industrial applications of directed energy sources (e-beams, ion beams, lasers)

Authors of selected papers presented at the Symposium will be invited to submit full length, peer-refereed manuscripts for publication in a special issue of Vacuum or the IAPS journal Frontier of Applied Plasma Technology, etc.

**Program**

The program of the ISAPS ’13 will be prepared at the end of May 2013, after the Abstracts are accepted by **March 31, 2013**. This program is subject to change without notice to the participants. And the final program will be prepared before symposium.

**Excursions**

City tour in Istanbul will be planned in the afternoon of September 27. There are a lot of interesting places for sightseeing. Participants will obtain additional personal or group tours prior to the symposium.

**Accommodation**

Several types of rooms at HOLIDAY INN Istanbul City in Istanbul have been reserved for the participants. Room rates are reasonably priced. The discount room rate will be available if the participants order to the Organizing Committee by **April 31, 2013**.

**HOLIDAY INN Istanbul City**

Address: Turgut Özal Cad. 189 (Millet Cad.) Topkapi 34280 Istanbul, TURKEY  
Tel: +90 (212) 530 99 00  Fax: +90 (212) 530 99 24  
E-mail: info@hiistanbulcity.com.tr  http://www.hiistanbulcity.com.tr

**Location & Transportation**

Istanbul one of the most elegant cities, that embraces the two continents Asia and Europe the capital city of the two great empires for almost two thousand years. Istanbul is a city that reflects the diversity of cultures, a heritage that makes the world all the more attractive. There are a lot of historical and famous places in Istanbul.
◇ ISAPS ’13 SCHEDULE ◇

<table>
<thead>
<tr>
<th>DATE</th>
<th>EVENT</th>
<th>LOCATION</th>
<th>AFFILIATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sep.22(S), 2013</td>
<td>PM: Registration</td>
<td>Istanbul</td>
<td>Executive Committee</td>
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<tr>
<td>Sep.23(M), 2013</td>
<td>AM: Registration</td>
<td>Holiday Inn</td>
<td>Istanbul</td>
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<tr>
<td></td>
<td>PM: Registration</td>
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<tr>
<td></td>
<td>Plenary Session and Oral Session A</td>
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<td></td>
<td>Reception</td>
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<tr>
<td>Sep.24(T), 2013</td>
<td>AM: Session B, Session C</td>
<td>EXHIBIT</td>
<td>EXCURSION</td>
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<td></td>
<td>PM:</td>
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<tr>
<td></td>
<td>Poster Session 1</td>
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<td></td>
<td>City Tour in Istanbul</td>
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<tr>
<td>Sep.25(W), 2013</td>
<td>AM: Session D, Session E</td>
<td>EXHIBIT</td>
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<td>PM: Session F</td>
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<td>Session G</td>
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<td>Poster Session 2</td>
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<td></td>
<td>Banquet</td>
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<td>Sep.26(Th), 2013</td>
<td>AM: Istanbul to Sakarya</td>
<td>Transfer</td>
<td>Sakarya University</td>
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<td></td>
<td>PM: Invited Session</td>
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<td></td>
<td>Session H, Session I</td>
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<td></td>
<td>Poster Session 3</td>
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<td></td>
<td>Welcome Dinner</td>
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<tr>
<td>Sep.27(F), 2013</td>
<td>AM: Panel Discussion on Applied Plasma</td>
<td>EXCURSION</td>
<td></td>
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<tr>
<td></td>
<td>PM: City Tour in Sakarya</td>
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</table>

Coming Deadline

Abstract: March 31, 2013
Pre-Registration Form: May 15, 2013
(to present a paper)

************************************************************************************
* All questions related to this symposium should be directed to the symposium chairman.

Prof. Akira Kobayashi, Chair: Joining & Welding Res.Inst. Osaka Univ.
11-1 Mihogaoka, Ibaraki
Osaka 567-0047, Japan
TEL: +81-(0)6-6879-8694
FAX: +81-(0)6-6879-8694
Email: kobayasi@jwri.osaka-u.ac.jp

Abstract Form & Registration Form (Word File)
I intend to contribute to the special issue of Vacuum or IAPS Journal, etc. □ YES □ NO

Categories: (Check 1 or 2)
- □ Plasma production, diagnostics
- □ Propulsion, modeling & simulations
- □ Plasma processing (surface modification, deposition, thermal spray, etc.)
- □ Plasma processing for hybrid functionally materials
- □ Plasma applications to environmental problems
- □ Advanced plasma processing technologies
- □ Advanced materials (hybrid functionally materials, composite materials, etc.)
- □ Characterization and evaluation of materials
- □ Industrial applications of directed energy sources (e-beams, ion beams, lasers)

ABSTRACT (within 200 words)

KEYWORDS (~5): ____________________________________________________________
________________________________________________________________________
To: Akira Kobayashi  
Joining & Welding Research Institute, Osaka Univ.  
11-1 Mihogaoka, Ibaraki, Osaka 567-0047, Japan  
TEL&Fax: 06-6879-8694  
Email: kobayasi@jwri.osaka-u.ac.jp

PRE-REGISTRATION FORM

The 9th International Symposium on Applied Plasma Science  
Date: September 23-27, 2013  
Place: Holiday Inn Istanbul City, Istanbul, Turkey

Name:  
(First name)  (Middle name)  (Family name)

Institution:  

Mailing Address:  (Street)  City:  
State:  Zip code:  Country:  
Phone:  Fax:  
Email:  

Area of Interest:  

□ I plan to participate in the ISAPS ’13.  
Accompanying persons  YES □  NO □

□ I intend to present a paper.  
Title:  

□ I plan to reserve the room of the Hotel from  to  for  nights.

PAYMENT: All payments for pre-registration should be made in Japanese Yen.

□ I will remit the pre-registration fee of  yen on  through  to Sumitomo-Mitsui Banking Corporation, Ibaraki Branch (Account Name: ISAPS2013, Account Number: 4127234).

□ Other  

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Please send this PRE-REGISTRATION FORM to the symposium chairman no later than May 15, 2013.

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