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Important Dates (tentative)

- 2nd Announcement and Call for Papers (only web) Sep. 30, 2010
- Brief Abstract (within 150 words) Deadline Nov. 30, 2010
- Preliminary Program Jan. 15, 2011
- Early Registration Deadline Feb. 22, 2011
- Hotel Reservation Deadline Feb. 22, 2011
- Proceedings Deadline Mar. 30, 2011
- SIA or e-JSSNT Deadline June 30, 2011

ALC'11 Web Site

<http://alc.surf.nuqe.nagoya-u.ac.jp/alc11/>

Contact Information

Secretary of ALC'11

Motofumi Suzuki

E-mail: alc11@jsps141.surf.nuqe.nagoya-u.ac.jp

ALC'11

8th International Symposium
on
Atomic Level Characterizations for
New Materials and Devices '11
in conjunction with IUMAS-V

First Announcement



May 22(Sun) – 27(Fri), 2011

Seoul Olympic Parktel
Seoul, Republic of Korea

<http://alc.surf.nuqe.nagoya-u.ac.jp/alc11/>

Sponsored by

The 141st Committee on Microbeam Analysis,
Japan Society for the Promotion of Science

About ALC

The series of international symposia entitled “Atomic Level Characterization” (ALC) started in 1996 with the meeting in Kyoto, Japan under the auspices of the 141st Committee on Microbeam Analysis of the Japan Society for the Promotion of Science (JSPS). The ALC symposia focus on practical applications of atomic level characterization (both atomic dimensions and energy levels) of new materials and devices, including bio- and organic materials as well as inorganics. Descriptions of new applications and instrumentation for various analytical techniques of surface and interface analysis are solicited in these symposia. The goal is to promote stimulating discussions among researchers specializing in different probe methods. The symposium also encourages discussion of fundamental problems to be solved in the further development of atomic level characterization of materials, including approaches based on theory and simulations.

The 2nd ALC symposium was held at Maui (Hawaii) in 1997, the 3rd one at Nara (Japan) in 2001, the 4th at Kauai (Hawaii) in 2003, the 5th on the big island of Hawaii in 2005, the 6th at Kanazawa (Japan) in 2007, and the 7th at Maui (Hawaii) in 2009. It is time to gather again for ALC'11, which is planned to be held in Seoul, Korea.

In conjunction with ALC'11, IUMAS-V (5th Meeting of the International Union of Microbeam Analysis Societies) will be held at the same conference facility. The participants of the ALC can also have a chance to audit the IUMAS-V free of charge.

Venue & Date

ALC'11 will be held at the Seoul Olympic Parktel, Seoul, Korea (<http://www.parktel.co.kr/english/>), from May 22 (Sun) to 27 (Fri), 2011. Seoul is the capital of Korea and also preserves many traditions.

Location & Climate

The symposium venue (the Seoul Olympic Parktel) is located at Olympic Park on the east side of Seoul. Limousine buses between Incheon International Airport and the Olympic Parktel are available, and subway stations are accessible from the venue. The average temperature in Seoul during the period of the symposium varies between 12.6 °C (low) and 22.8 °C (daytime high).

Scientific Topics

The sessions will cover the following topics:

- 1. Fundamental Phenomena**
 - electron/ion -solid interaction
 - emission phenomena of light, electrons, and ions
- 2. Characterization by Electrons / Ions / Infrared / Ultraviolet / X-rays**
 - AES / XPS / XPED / EPMA / ISS / MEIS / RBS / SIMS / IR / etc.
- 3. Imaging Techniques**
 - TEM / STEM / AEM / SEM / SAM / TOF-SIMS
 - SPM / REM / LEEM / PEEM / FIM / etc.
- 4. Applications for Nanotechnology**
 - nanowires/nanotubes/nanoparticles/nanocarbon
 - biological & medical systems
 - solid-solid / solid-liquid interfaces
- 5. Cosmic, Terrestrial & Environmental Materials**
- 6. Special Sessions**
 - spin-polarized e-beam & its applications
 - graphene & related-materials
- 7. Tutorials**

Call for Papers

Each contributor is encouraged to submit a brief abstract (within 150 words) via the ALC'11 web site by the due date. Detail will be announced in the 2nd circular at the ALC'11 web site.

All accepted authors will then be required to submit 2-6 pages of camera-ready manuscript for the proceedings in lieu of an abstract. The book of proceedings will be handed out at the registration desk.

Publications

Selected papers will be considered for publication in a special issue of “Surface and Interface Analysis” (SIA; Wiley) or “e-Journal of Surface Science and Nanotechnology” (e-JSSNT; SSSJ). Details will be announced on the ALC'11 web site.

Registration & Accommodations

Participants should register through the CMS (Convention & Culture Marketing Service) conference agency (see link on the ALC'11 web site) by the due date for early registration. Details including Registration fees and Accommodations will be announced on the ALC'11 web site.

Awards and Supports

Awards will be given for excellent papers by students. Students should check the symposium web site for further information. Young researchers (excluding students) who need a support of travel expenses should also check the web site.

Language

The official language of the symposium is English.

Up-to-Date Information

The 2nd and the final announcements will appear on the ALC'11 web site. Please visit the URL on the front page of this announcement.