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## Important Dates

- Application Deadline (name, affiliation, talk title, contact information etc.) June 5, 2009
- Preliminary Program July 12, 2009
- Early Registration Deadline Aug. 7, 2009
- Hotel Reservation Deadline Aug. 7, 2009
- Proceedings Deadline Oct. 9, 2009
- Final Announcement Nov. 1, 2009
- SIA or e-JSSNT Deadline Jan. 10, 2010

## ALC'09 Web Site

<http://alc.surf.nuqe.nagoya-u.ac.jp/alc09/>

## Contact Information

#### Secretary of ALC'09

Hiroki Hibino

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# ALC '09

7th International Symposium  
on  
Atomic Level Characterizations for  
New Materials and Devices '09

## First Announcement



December 6(Sun) – 11(Fri), 2009

The Westin Maui Resort & Spa  
Maui, Hawaii, USA

<http://alc.surf.nuqe.nagoya-u.ac.jp/alc09/>

Sponsored by

The 141<sup>st</sup> 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 141<sup>st</sup> 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 2<sup>nd</sup> ALC symposium was held at Maui (Hawaii) in 1997, the 3<sup>rd</sup> one at Nara (Japan) in 2001, the 4<sup>th</sup> at Kauai (Hawaii) in 2003, the 5<sup>th</sup> on the big island of Hawaii in 2005, and the 6<sup>th</sup> at Kanazawa (Japan) in 2007. It is time to gather again for ALC'09, which is planned to be held on the island of Maui (Hawaii).

## Venue & Date

ALC'09 will be held at the Westin Maui Resort & Spa, Hawaii, USA (<http://www.westinmaui.com/>), from December 6 (Sun) to December 11 (Fri), 2009. Maui is the second largest island of Hawaii and world-renowned as a place to visit.

## Location & Climate

The symposium venue (the Westin Maui Resort & Spa) is located at Kaanapali Beach, on the west shore of Maui near the town of Lahaina. The average temperature on Maui during the period of the symposium varies between 20 °C (low) and 28 °C (daytime high). It rarely rains on the western side of Maui.

## 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 / IR / etc.
- 3. Imaging Techniques**
  - TEM / STEM / AEM / SEM / SAM / SIMS
  - SPM / REM / LEEM / PEEM / FIM / etc.
- 4. Applications for Nanotechnology**
  - nanowires / nanotubes / nanoparticles
  - solid-solid / solid-liquid interfaces
- 5. Cosmic, Terrestrial & Environmental Materials**
- 6. Special Sessions**
  - nanospectroscopy
  - graphene & related-materials
  - nanoscale 3-D element imaging
  - medical & biomaterials
  - surface imaging
- 7. Workshop**
  - new trends in SIMS technology
  - novel analyses with electron beams
- 8. Tutorials**

## Call for Papers

We encourage the submission of papers describing work related to the symposium topics. Each contributor should submit a talk title and contact information via the ALC'09 web site by June 5, 2009. No abstract is required for the initial application. The program committee will make a decision to accept or reject titles by July 12, 2009, and the decision will be announced by e-mail to each author.

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'09 web site.

## Registration & Accommodations

Participants should register through the JTB GLOBAL CLUB, INC. web page (see link on the ALC'09 web site) by August 7 for early registration. Payment should be made by a credit card. Details including registration fees will be announced on the symposium web site.

The organizing committee has booked rooms at the Westin Maui Resort & Spa (the symposium venue) for the conference period. The room rates are \$155 (inland view) or \$185 (ocean view). Participants wishing to reserve with the conference hotel should contact the hotel directly and request an ALC'09 Symposium room no later than August 7 (a reservation form will be available on the symposium web site). A limited number of rooms are also booked 3 nights before and after the symposium period in the same rate. Hotel costs should be paid directly to the hotel.

## Awards and Supports

Awards will be given for excellent papers by students. Students should check the symposium web site for further information. Those 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 2<sup>nd</sup> and the final announcements will appear on the ALC'09 web site. Please visit the URL on the front page of this announcement.