

Scope of the Conference

The conference in Kanazawa (Japan) continues the series of international conferences that have been held in New Haven, USA (2009); Madrid, Spain (2008); Antalya, Turkey (2007); Kobe, Japan (2006); Bad Essen, Germany (2005); Seattle, USA (2004); Dingle, Ireland (2003); Montreal, Canada (2002); Kyoto, Japan (2001); Hamburg, Germany (2000); Pontresina, Switzerland (1999); and Osaka, Japan (1998)

Topics of the Conference

1. Instrumentation and techniques
2. Atomic resolution imaging on insulating substrates, semiconductors, and metals
3. Atomic resolution imaging on molecular systems
4. Highest resolution imaging on bio-molecules
5. Atomic scale manipulation and assembly of nanostructures
6. Force spectroscopy and tunneling spectroscopy
7. Imaging and spectroscopy in liquid environment
8. Theoretical analysis of contrast mechanisms
9. Measuring tip-sample interaction potentials and mapping force fields
10. Characterization and modification of force microscopy tips at the atomic scale
11. Mechanisms for damping and energy dissipation
12. Measuring nanoscale charges, work function, and magnetic properties
13. Simulation of images and virtual SFM systems
14. Tapping mode versus non-contact mode imaging



Conference Chairperson

Toyoko Arai (Kanazawa University)

International Steering Committee

Franz Giessibl, Peter Grütter, Ernst Meyer, Seizo Morita, Hiroshi Onishi, Ahmet Oral, Rubén Pérez, Michael Reichling, Alexander Schwarz, Udo Schwarz, Alexander Shluger

NC-AFM2010 Organizing Committee

Masayuki Abe, Toyoko Arai, Hideki Kawakatsu, Seizo Morita, Hiroshi Onishi, Masahiko Tomitori, Satoshi Watanabe, Hirofumi Yamada

Local Organizing Committee

Toshio Ando, Toyoko Arai, Takeshi Fukuma, Akira Sasahara, Masahiko Tomitori, Takayuki Uchihashi

Program Committee (tentative)

Masayuki Abe (Program Chair)

Introduction to Kanazawa

Kanazawa, known as "little Kyoto", is located in the central part of the mainland of Japan. It was a great castle town ruled by an influential samurai leader from the 17th to 19th century. There remain historical houses and inherits traditional handicrafts and traditional performing arts around the city. For more information of Kanazawa, visit the website below.

<http://www.kanazawa-tourism.com/>



FOR FURTHER INFORMATION

Detailed information on call for papers, registration form and hotel information will be given later in the conference web site. If you wish to receive the detailed information by E-mail, please contact:

Prof. Masayuki Abe (Secretariat)
E-mail: ncafm@eei.eng.osaka-u.ac.jp

Pre-registration by FAX is also available.
Please PRINT below and send it to:

+81-6-6879-7764

Last name: _____

First name: _____

Title: _____

Institution: _____

Department: _____

Mailing Address: _____

City: _____ State: _____

Zip code: _____ Country: _____

Phone: _____ Fax: _____

E-mail: _____

I plan to attend NC-AFM2010.
I intend to submit a paper.

Tentative Title:

Conference Web Site

The conference web site will provide the latest information:

<http://www.afm.eei.eng.osaka-u.ac.jp/ncafm2010/>

IMPORTANT DATES

Pre-registration	December 1, 2009
Abstract Deadline	April 2, 2010
Notification of Acceptance	May 17, 2010
Early Registration Deadline	June 1, 2010
Registration & Get-together	July 31, 2010
Conference	August 1-5, 2010

Conference Language

The official language of the conference will be English.

Scientific Programs

The scientific program will include regular talks as well as poster presentations. Detailed instructions for submission of one-page abstracts will be provided in the conference web site. The proceeding will be published in the e-Journal of Surface Science and Nanotechnology (e-JSSNT: <http://www.sssj.org/ejsnt/>). We are also planning satellite workshops on bio-imaging, solid-liquid interface and SPM standardization in succession. Their details will appear in the web site.

Technical Exhibition

Vendor exhibition of scientific equipment will be held during the conference.

Social Programs

A get-together, a banquet, and several social events are planned.

13th International Conference on Non-Contact Atomic Force Microscopy

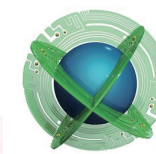
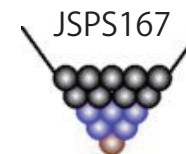


July 31 - August 5, 2010

Ishikawa Ongakudo,
Kanazawa, Japan

First Circular

Organized under the auspices of "167th Committee on Nano-Probe Technology" of Japan Society for the Promotion of Science (JSPS), The Surface Science Society of Japan, and Osaka University Global Center of Excellence Program "Center for Electronic Devices Innovation".



GCOE CEDI
Osaka Univ.