

JULY  2005

IMPORTANT DATES

Abstract Deadline March 1, 2005
Author Notification April 30, 2005
Early Registration Deadline June 8, 2005
Hotel Reservation Deadline June 8, 2005
Manuscript Deadline July 11, 2005

LANGUAGE

The official language of the conference is English.

WEBSITE

MSS-12 Conference information will be posted
at the following website address:
<http://www.cnsi.ucsb.edu/mss12/>

CONTACT INFORMATION

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ADDRESS

MSS-12 Conference
c/o California NanoSystems Institute
University of California
Santa Barbara, CA 93106-6105
USA



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12TH INTERNATIONAL CONFERENCE ON

Modulated Semiconductor Structures



July 10-15, 2005
Albuquerque, New Mexico



FIRST ANNOUNCEMENT

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12th International Conference on Modulated Semiconductor Structures

DESCRIPTION

The 12th International Conference on Modulated Semiconductor Structures (MSS-12) will be held at the Hyatt Regency in Albuquerque, New Mexico, July 10-15, 2005.

MSS was first held in 1981, and is recognized as an international forum that provides the opportunity to view the latest progress in the physics, formation, processing, and device applications of modulated structures.

PROGRAM

MSS has traditionally focused on the synthesis, processing and applications of modulated materials. With an initial concentration on semiconductor heterostructures, MSS has also encompassed the broader range of hybrid, modulated organic, spintronic, and biologically-based modulated structures. MSS-12 topics include: heterostructures and superlattices; electronic, optical and magnetic properties of quantum wires and dots; spintronics and spin effects in nanostructures; organic semiconductors; physics and devices for quantum computation and communications; and novel modulated structures, including carbon nanotubes, biologically-based and molecular structures.

PROCEEDINGS

The proceedings of MSS-12 will be published as a special issue (consecutively numbered) of Physica E: Low Dimensional Systems & Nanostructures.

COLLABORATION

The 16th International Conference on Electronic Properties of Two-Dimensional Systems (EP2DS-16) will be held at the same time and location. Participants of MSS-12 are entitled to attend sessions of EP2DS-16 and vice versa. There will be a few joint sessions on topics of common interest. Most social activities (excursion, banquet, etc.) will be arranged jointly.

ORGANIZING COMMITTEE

Evelyn Hu Chair
David Awschalom Member
Pierre Petroff Member
Makiko Goto Conference Coordinator
Brian Wolf Web Administrator

INTERNATIONAL PROGRAM COMMITTEE

David Awschalom (Chair) USA
Axel Lorke Germany
Hideo Ohno Japan
Claire Gmachl USA
Michelle Simmons Australia
Clivia Sotomayor-Torres Ireland

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Y. Shiraki Japan

EXHIBITION AND SPONSORSHIP

A vendor's exhibition will be held as an integral part of the conference, and an extensive range of exhibition and sponsorship options are available. If you are interested in exhibiting or sponsoring during the conference, please e-mail the EP2DS-16 Conference Secretary at ep2ds-16@sandia.gov.

VENUE

The Albuquerque Hyatt Regency, in the heart of downtown, has been selected as the conference hotel. Albuquerque is a city of contrast, where rustic adobe homes and churches offset gleaming high-rise office buildings. Spanning both high desert mesas and a verdant river valley, Albuquerque is bounded by the pueblo lands of Native Americans and populated by people of diverse cultures and heritage.

Low humidity and warm temperatures make Albuquerque a four-season destination. Normal temperatures for July range from lows of 64°F/18C to highs of 91°F/33C.

Albuquerque's altitude is 5,000 feet above sea level. It is served by most major airlines and the hotel is just a short taxi ride away from Albuquerque's international airport.

Participants are invited to stay at the conference hotel, the Albuquerque Hyatt Regency, where special discount rates have been negotiated. While several meals will be provided at the Conference site, there will be ample opportunities to sample New Mexico cuisine, as well as shopping, in the downtown area.

Several conference excursion destination choices are being considered, including Santa Fe's Old Town and art galleries; Acoma "Sky City" Pueblo, the oldest inhabited village in the U.S., located atop a 367-foot mesa; and the Sandia Peak (alt. 10,378ft.) Tram and Ski area chair lift.

