

-Nano Northwest Newsletter

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Center for Nanotechnology & NanoTechnology User Facility News:

Welcome once again to the Nano Northwest Newsletter –newsletter sponsored by the UW Center for Nanotechnology and the NanoTech User Facility to consolidate announcements and information for CNT-affiliated UW faculty and students, local nanotech businesses and others in the Northwest nanotechnology community.

NEWS

Coming Up...

Conferences

July 24-26, 2006

July 30-August 4, 2006

August 6-9, 2006

August 27-Sept. 1, 2006

September 20-22, 2006

September 27-28, 2006

[2006 Micro Nano Breakthrough Conference](#)

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EVENT

2006 Micro Nano Breakthrough Conference

July 24-26, 2006,

Hilton Hotel, Vancouver, WA

Now in its third year, the MNBC is the premier nanoscience and microtechnologies research and business event in the Pacific Northwest, bringing together the latest academic and national laboratory research, exciting startup companies, major industry, and early stage investment and tech transfer professionals for a fast-paced and highly networked 3 days devoted to commercialization of small tech innovation; perhaps the most critical issue for American competitiveness.

This year we are delighted to announce that our keynote/banquet speaker is Dr. Celia Merzbacher, Executive Director of the President's Council of Advisors on Science and Technology, and White House liaison to the National Nanotechnology Initiative.

Also keynoting will be Dr. James Huang of Boeing PhantomWorks on how aerospace is leading the development of nanomaterials and technologies

We will bring together leaders to focus on development of micro and nano technology for new products. Attendees will share ideas and findings, build collaborative networks, participate in working groups, exhibit commercial technologies and services, and help set agendas for developing new microproducts.

If you are involved in the transformation from discovery and development to commercialization of products this conference is for you.

[Register here](#)

Please visit: <http://oregonstate.edu/conferences/MNBC/>

Electrodeposition GRC

July 30 to August 4, 2006 - New London, NH

Electrodeposition is fast becoming the method of choice for producing films and nanostructures of metals, semiconductors, and metal oxides. In electrodeposition, solid films are deposited at the electrode surface from molecular and ionic precursors in solution. The morphology and orientation of electrodeposited films can be precisely tailored by controlling the pH, solution additives, and applied potential. Remarkable progress has been made in recent years to exploit the "wet" aspects of electrodeposition to produce architectures which may not be accessible to ultra-high-vacuum methods.

The Gordon Research Conference on Electrodeposition is THE conference to attend if you are interested in sharing and learning the most recent developments in electrochemical deposition. The topics at this year's conference are molecular electronics, nucleation and growth, epitaxial electrodeposition, shape control, magnetic materials, nanostructured materials, and electrodeposition for microelectronics. In addition to invited talks by leaders in the field, we will also have two lively poster sessions. Top posters will be selected for a session of short talks on Wednesday evening.

The Electrodeposition GRC is known for a collegial atmosphere which encourages close interaction between young investigators and international experts. At what other conference can you discuss the latest developments in electrodeposition while hiking up Mount Kearsarge? We anticipate having some funds to help graduate students and postdoctoral associates attend the meeting. The attendance of this popular conference is limited, so early registration is strongly advised.

Registration fees may be paid for students or postdocs.

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2nd Annual Faculty Workshop for Learning & Teaching in Nanoscale Science & Engineering

August 6-9, 2006-Cal-Poly, San Luis Obispo

The National Center for Learning & Teaching in Nanoscale Science and Engineering (NCLT - <http://www.nclt.us/>) was established by the National Science Foundation in 2004 to conduct pioneering research and to build capacity in nanoscale science and engineering education (NSEE) for grades 7-16. As part of its higher education (13-16) mission, the NCLT sponsors annual faculty workshops in NSEE. The 20063 Workshop will be held at the California Polytechnic State University, San Luis Obispo, CA from August 6th through 9th. Attendance is by invitation only.

Application Deadline: June 1, 2006

CANEUS 2006 International Conference

August 27-September 1, 2006, Toulouse, France.

The conference is on "Micro-Nano Technologies (MNT) for Aerospace Applications," the premier international forum devoted to successfully transitioning emerging Micro and Nano Technology (MNT) concepts to aerospace system applications.

CANEUS 2006:

- is the world's ONLY biennial Conference/Workshop dedicated to MNT for Aerospace Applications;
- is a "one-stop-shop" venue providing professionals with a unique perspective of the entire technology development cycle for transforming emerging MNT concepts to aerospace systems;
- boasts a who's-who roster of world-class expert speakers and panelists representing cutting-edge MNT research, system development, government/private investment, and aerospace-end users;
- is set in the "Aerospace Valley" of Europe, and offers a unique opportunity to visit the historic city of Toulouse, home of Airbus;
- social activities include: the Airbus Cocktail, conference reception at the Mairie de Toulouse, and industrial /scientific visits to Airbus, Alcatel and CNES;

Participants will have the opportunity to gain valuable exposure to a broadly represented international audience, as well as to influence future international collaborations aimed at MNT development for aerospace applications.

Please visit: <http://www.asmeconferences.org/CANEUS06/>

***Showcase Your Nano Application or Technology to 700+ Leading Executives
September 20 – 22, 2006, Small Times NanoCon International***

This is nanotechnology's most important event focusing on key business issues, partnership development, and market strategies. Small Times NanoCon International brings together more than 700 leading nanotech executives and decision makers from around the world, making it the sector's premier event driving commercial success.

Apply now for the Applications Showcase & the Research Showcase at [Small Times NanoCon International!](#)

Deadline: August 4, 2006

Does your company have a new and innovative technology that's ready to commercialize- or an application that is cutting edge?

Apply now to present during our showcases to find potential customers, partners and new sources of funding!

We're looking for nanotech applications and research that will change the way we live and do business. This opportunity is limited to companies or organizations with:

- Revolutionary technology
- Innovative applications
- Exciting commercialization strategies
- Innovative business models

A panel of leading nanotech business executives will review all submissions and select the organizations to present at the Applications Showcase on September 20 and the Research Showcase on September 21. This is not a chance to present a technical paper. All presentations must be from a business or commercial point of view.

There is no fee to apply or to present. However, presenters who are selected will be required to purchase a full conference registration at the \$895 rate before September 5. If they have not registered by that time, they will lose their presentation slot.

Submit your application now at SmallTimesNanocon.com Visit www.SmallTimesNanocon.com for event updates!

NanoTx'06

September 27- 28, 2006

Join us at nanoTX '06. This is the world's largest international nanotechnology conference and expo, taking place September 27- 28, 2006 in Dallas during International Nanotechnology Week[tm]. Note this is not a Dallas event, but an international event being held in Dallas.

Nanotech and advanced technology leaders from all over the world will be shopping the show's four pavilions: Semiconductor NEMS & MEMS; Energy/Chemical/Environment; Biomedical/Health Science; and Defense/Aerospace/Homeland Security. The event is attracting attention from thousands of nanotech leaders worldwide, bringing nanotech issues to the forefront, while sharing knowledge and solutions.

Event highlights include:

- Internationally renowned business leader H. Ross Perot is opening the Expo.
- Fireside Chat with six Nobel Laureates dedicated to the memory of the late Jack Kilby and Richard Smalley.
- Exhibitors with new innovations will have an opportunity to be showcased in the PBS Nanotechnology Documentary being filmed at the show (press release attached).
- One million square feet of exhibitor space secured. Planned attendance of 50,000.
- Foresight Feynman Awards, the premier prizes in nanotechnology, will be announced at nanoTX '06 Over 150 Top Name Speakers - representing over 30 countries.
- Major sponsors include: Texas Instruments; the Japanese Consulate;
- Applied Materials; Zyvex; Lockheed Martin and more.

Call or email with any questions.

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The Promise of Tomorrow-The Business of Nanotechnology

CONTACT

Submissions & Comments:

To submit an Announcement or Comment to the Nano Northwest Newsletter please send to nano_submit@u.washington.edu.

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