

## *-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**

**September 21 and 22, 2006**  
**November 7- 8, 2006**

[2006 Symposium of the Pacific Northwest Chapter of the AVS](#)  
[4th International Surface Cleaning Workshop](#)

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## *CONNECTIONS*

### *Job Opening at 4D LABS, Simon Fraser University (SFU)*

Position: Clean Room Manager

Description:

4D LABS is a new University Centre for research in advanced materials and nanostructures at Simon Fraser University (SFU). One thrust of our work is to incorporate designer molecular and solid state materials into new and traditional device structures. The goal of this research centre is to unite chemists, physicists, and engineers from multiple disciplines to design, develop, demonstrate and deliver the next generation of device technologies. A key aspect of the centre's infrastructure is a new 4,500 square foot Class 100 clean room with Class 1 environments to be completed in the Fall of 2006. The clean room will house a wide range of processing tools, such as optical and e-beam lithography tools, oxidation furnaces, PVD deposition systems, RIE systems, RTP and various characterization tools. A thin film growth facility and other complementary tools will operate external to the clean room.

The collaborative environment of 4D LABS has already attracted national and international attention. The facilities, such as the clean room, offered by this centre will provide the platform for collaboration with international, national and regional customers. This non-for-profit university venture will require effective management to ensure that the clean room maintains excellent customer service while also remaining financially independent.

The successful candidate will be expected to bring the clean room up to operational status and ensure its continued safe operation. He or she will be responsible for training users at the graduate or postdoctoral level, supervising technical staff in the clean room, and serving as an

internal consultant for the design of various demonstration devices. The ideal person will have the technical qualifications, management and communication skills necessary to ensure that the facility meets the needs of its diverse user base.

For more information, please visit:

[https://mailman1.u.washington.edu/mailman/private/nano\\_submit/attachments/20060808/dcfce47/AD-CLEAN\\_ROOM\\_MANAGER-0001.doc](https://mailman1.u.washington.edu/mailman/private/nano_submit/attachments/20060808/dcfce47/AD-CLEAN_ROOM_MANAGER-0001.doc)

### ***Research/Post-Doc Position Available***

Position: Microfabrication Research Engineer

The Washington Technology Center (WTC) is a state-chartered economic development organization. WTC is committed to increasing innovation and technology throughout the state of Washington, in all industries and economic sectors.

WTC focuses on designing and implementing programs that directly impact Washington and Pacific Northwest companies, research institutions and entrepreneurs through our mission of sparking ideas, forming connections between people and resources, and fostering job growth to position Washington as a national technology leader.

The Research Engineer will support research efforts related to nanolithography for applications in microelectronic, micromechanical and microfluidic devices for sensor, optical and biomedical/biotechnology applications. The Research Engineer will design and conduct experiments in collaboration with internal engineering as well as external industrial and academic partners. The research engineer will be responsible for coordinating the installation, maintenance, and management of research equipment brought into the facility.

This position reports to the Manager, MicroFabrication Laboratory.

For more information on this position, please visit:

[https://mailman1.u.washington.edu/mailman/private/nano\\_submit/attachments/20060808/63a54e93/ResearchEngineerJobDescription-0001.doc](https://mailman1.u.washington.edu/mailman/private/nano_submit/attachments/20060808/63a54e93/ResearchEngineerJobDescription-0001.doc)

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## ***EVENT***

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### ***2006 Symposium of the Pacific Northwest Chapter of the AVS September 21 and 22, 2006, Grand Lodge Forest Grove, OR***

This year's annual symposium of the Pacific Northwest Chapter of the AVS will be held near Portland, OR at the Grand Lodge. The symposium will include two days of invited and contributed talks, a poster session, and vendor exhibit. It also coincides with this year's short course program, held on September 21-22.

We are also offering several short courses during the same period and I strongly encourage you to consider either attending or sponsoring someone to attend. Essentially all the proceeds from these courses go either to the presenter or to funding student participation.

The PNW-AVS symposium has a long tradition of providing a stimulating interdisciplinary program in a relaxed, informal atmosphere. The meeting attracts a broad representation of government, corporate and university researchers from throughout the Pacific Northwest, Western Canada and Alaska. The venue is a charming European style lodge with restaurants and bars.

Advanced Registration by September 1, please visit: <http://chapters.av.s.org/pnw/symposium>

### ***4th International Surface Cleaning Workshop***

***November 7- 8, 2006, Boston, MA***

Northeastern University, the University of Arizona and the Hanyang University in Korea invite you to attend the 4th International Surface Cleaning Workshop on November 7- 8, 2006 in Boston. The workshop is for semiconductor manufacturers, equipment vendors, suppliers and researchers in the field to share and discuss current and future challenges and advances in surface cleaning.

The objective is to present and discuss current and future challenges and solutions in surface cleaning to the surface cleaning community. The workshop will give end-users, researchers and suppliers a forum to discuss new technologies, solutions and limitations in meeting surface cleaning needs for the year 2006 and beyond. The Conference will include invited and contributed presentations and panel discussions. Authors are encouraged to include new experimental results and findings in their presentations.

Register online at <http://www.cmc.neu.edu/surfacecleaning2006>

Further information will be posted as the event approaches. If you have any questions, please contact: Jennifer Bose, Manager of Finance and Administration, at [jbose@neu.edu](mailto:jbose@neu.edu)

NSF Industry/University Cooperative Research Center for Nano and Microcontamination Control  
467 Egan Center  
Northeastern University  
360 Huntington Avenue  
Boston, MA 02115  
617-373-3294

## ***CONTACT***

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### ***Submissions & Comments:***

To submit an Announcement or Comment to the Nano Northwest Newsletter please send to [nano\\_submit@u.washington.edu](mailto:nano_submit@u.washington.edu).

### ***Sign Up & Removal:***

To sign up or to be removed from this newsletter, please go the general membership home page located at [https://mailman.u.washington.edu/mailman/listinfo/nano\\_newsletter](https://mailman.u.washington.edu/mailman/listinfo/nano_newsletter).