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Welcome to the October issue of the ONAMI Newsletter.

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### **In Other News**

### **Executive Director's Letter, by Skip Rung**

As noted last month, we closed the books on an extraordinary year and biennium, with research awards (before any stimulus effect) up 4X over 5 years. With many exciting competitive proposals pending (and stimulus awards starting to be officially booked) growth and momentum should continue.

This is a very difficult time for small companies, but we note with pleasure that Inpria has received its first SBIR and Trillium Fiber Fuels has received an SBIR Phase II. ONAMI research partner and CAMCOR resident Voxel announced a manufacturing process breakthrough in quantum dots/high-efficiency photovoltaics. (See <http://www.onami.us/news/> for more information on all three of these).

In the last newsletter I said we'd announce two more ONAMI Signature Researcher hires – one each at OSU and UO. Read on...We're also announcing a new lab manager for PSU's electron microscopy center!

See you at the Micro Nano Breakthrough Conference [www.micronbc.org](http://www.micronbc.org) in less than 3 weeks!



### **9th Signature Researcher joins OSU: Greg Herman**

OSU and ONAMI are pleased to announce the arrival of Dr. Gregory S. Herman as ONAMI's 9th Signature Faculty Fellow. Dr. Herman, with over 15 years of experience in flexible and printed electronics, fuel cells, catalysis and surface chemistry is joining the School of Chemical, Biological and Environmental Engineering (CBEE) <http://cbee.oregonstate.edu/> at OSU.

Dr. Herman's focus will be sustainable processes for the production of materials, energy and clean water resources; including novel methods to synthesize, characterize and model the reactions of functional nanomaterials with enhanced photocatalytic, electrocatalytic, and thermocatalytic properties. Capabilities in the Herman lab will be directly applicable to novel photovoltaic and flexible electronic systems.



Dr. Herman joins OSU from Sharp Laboratories of America (Camas, WA) where he served as Senior Scientist and Project Lead for Flexible and Printed Electronics. He has also served on the technical staffs of Pacific Northwest National Laboratory, Hewlett-Packard (Corvallis, OR), and the Naval Research Laboratory.

### 10th Signature Researcher/TEM Specialist joins UO: Sujing Xie

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UO and ONAMI are pleased to announce the arrival of Dr. Sujing Xie as ONAMI's 10th Signature Researcher, who will be joining ONAMI's CAMCOR signature research facility <http://camcor.uoregon.edu/index.shtml.html> as its new high-resolution transmission electron microscopy (HR-TEM) specialist, 'specially' skilled to get the most out of the one of the world's most advanced TEMs in what we believe to be the world's quietest facility.



Dr. Xie joins UO after serving as a postdoctoral scholar at the Northwestern University Nuance Center where she collaborated with faculty, students and industry. With more than 6 years experience, she is an expert in high resolution S/TEM, EELS, EDX and TEM sample preparation using the FIB/SEM. Among several interesting future directions for Dr. Xie and CAMCOR will be atomic-resolution 3D-tomography and 3D-reconstruction.

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### 2009 Micro Nano Breakthrough Conference Announces Special HP CeNSE Presentation and 3 Short Courses

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A special presentation: Sensing: Making the Earth Aware will be given by Ken Abbot, Peter Hartwell and Stan Williams of Hewlett-Packard during the Tuesday, Sept. 22 evening poster and industry exhibits reception. This "big bet" HP Labs project was recently profiled in the San Francisco Chronicle:

<http://www.sfgate.com/cgi-bin/article.cgi?file=/c/a/2009/08/31/BUCF19ES5E.DTL>



MNBC 2009 will again offer three afternoon short courses on Monday, Sept. 21, followed by a welcoming reception <http://oregonstate.edu/conferences/MNBC/shortcourses.html>

***Nano 101: What Technology, Business and Government Officials Should Know***, taught by Paul Burrows and Skip Rung.

***Nanotechnology Commercialization: Intellectual Property and Patent Reform***, led by George Renzoni and Rhys Lawson of Christensen, O'Connor, Johnson Kindness, PLLC.

***Pacific Northwest Micro-Nanoscale Engineering Workshop***, organized by Brian Paul and Ward TeGrotenhuis of the Microproducts Breakthrough Institute

See [www.micronbc.org](http://www.micronbc.org) for complete program and registration details.

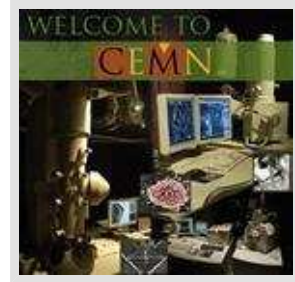
MNBC remains the best regional "nano event" in the world, with content as good or better than anyone's, highly-relevant networking for the Pacific Northwest, and all at about 20% of cost of comparable events. Join us September 21-23 in Portland!

## Tony Chen To Join CENM as Lab Manager

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PSU and ONAMI are pleased to announce that Dr. Tony Chen will be joining the ONAMI Center for Electron Microscopy and Nanofabrication <http://www.emc.pdx.edu/> signature research facility this Fall as the new lab manager.

Dr. Chen comes to us from the Monsanto Corporation in St. Louis, MO. He received his Ph.D. in materials science from the University of Birmingham, UK and has 7 years of experience in advance materials characterization with an emphasis on TEM techniques. Although his academic background is in materials, he is one of those rare people who has expertise in both nanomaterials and biological samples. We look forward to Dr. Chen's contributions to ONAMI's work in the academic and industry sectors.



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