

Science and Application of One-Dimensional Nanostructures

33rd Annual Spring Symposium
Michigan Chapter of the AVS

Co-Sponsored by
AVS-MI Chapter
Wayne State University

Program & Registration Information



Thursday, May 4th, 2006
General Lecture Bldg.
Wayne State University
Detroit, MI

Symposium Objective

This symposium will present a cross section of cutting-edge nanoscience and nanotechnology research. It will highlight new developments which impact both the basic science and technological applications of these novel systems.

For updated information, see also:

<http://www.ece.eng.wayne.edu/~jchoi/AVS-MI>

Meeting Schedule

- 8:00 **Registration, Coffee**
8:45 Opening Remarks, Jaewu Choi
Session I: Moderator, Jaewu Choi
9:00 *Carbon Nanotube Electronics and Optoelectronics*, Jia Chen, IBM T. J. Watson Research Center
9:50 *Overcoming Challenges in Carbon Nanotube Electronics*, Moonsub Shim, University of Illinois at Urbana-Champaign
10:40 **Coffee Break**
11:00 *Living and Working with Defects in Carbon Nanotubes*, David Tománek, Michigan State University
11:50 **Lunch and Equipment Exhibit**
1:30 AVS-MI Chapter Business Meeting
Session II: Moderator, Stuart Tessmer
1:40 *Nanowires for Nanoscience and Nanotechnology*, Carl J. Barrelet & Charles M. Lieber, Harvard University
2:30 *One-dimensional Superconducting Nanowires in Strong Magnetic Fields*, Andrey Rogachev, University of Illinois at Urbana-Champaign
3:20 **Coffee Break and Opening of Poster Session**
4:00 *Electroactive Carbon Nanotube Nanocomposites for Sensors and Actuators*, Cheol Park, National Institute of Aerospace, NASA
4:50 Closing Remarks, Jaewu Choi
5:00 **Poster Session, Equipment Exhibit and Wine-and Cheese Reception.**
5:45 Results of the student poster competition
6:00 Symposium ends

Location

The symposium will take place in the General Lecture Building on the campus of Wayne State University. All the symposium events will take place in the atrium or lecture hall (Rm 1415). "Next to the General Lecture Hall" parking is available in Parking Structure II as indicated on the map on the next page.

Student Poster Session

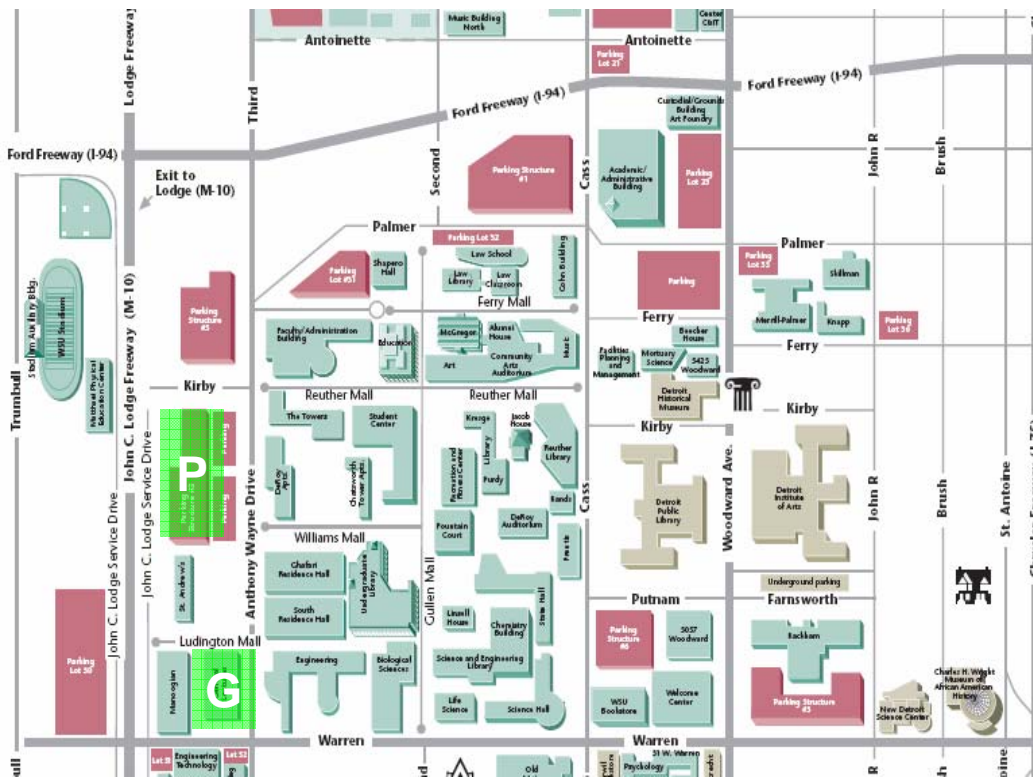
Moderator: John Green

The symposium includes a poster session pertaining to topics of interest to the AVS, namely science and technology of materials, surface, interfaces, processing and vacuum science and technology. A cash prize of \$100.00 will be awarded to the best poster. Interested students should submit an abstract of less than 200 words at jchoi@ece.eng.wayne.edu by Friday April 28th. Please put "Poster Abstract" as the subject.

Equipment Exhibit

As part of the 33rd Annual Spring Symposium, an equipment exhibit will be held to display analytical and processing equipment of interest to the attendees of the meeting. The exhibit will be open to all symposium attendees during the entire day. In addition, we invite all other interested persons to visit the exhibit at no charge between 10:00 am and 6:00 pm.

Companies interested in exhibiting may contact Jaewu Choi at (313) 577-3990, jchoi@ece.eng.wayne.edu



Wayne State Campus Map ~ Parking and the General Lecture Hall

Areas important for this conference are shown in green (General Lecture Hall and Parking Structure II). All of the events will take place in the General Lecture Hall (Rm 1415). "Next to the General Lecture Hall" parking is available in Parking Structure II. The cost for parking is \$3.50 per vehicle. For more directions and maps see <http://www.campusmap.wayne.edu/> or <http://campusmap.wayne.edu/?map=parking>. Enter Parking Structure II from Anthony Wayne Drive.

Organizing committee

Stephen Gaarenstroom, Pilar Herrera-Fierro, John Green, Galen Fisher, Stuart Tessmer
Symposium Chair: Jaewu Choi

Special Thanks to Mary Anna Blair

Registration Form

33rd Annual Spring Symposium, Science and Application of One-Dimensional Nanostructures, Thursday, May 4, 2006
(e-mail registration deadline: Friday, April 28, 2006)

Name: _____

Affiliation: _____

Address: _____

Tel: _____ Fax: _____

e-mail: _____

REGISTRATION FEE

Choose 1 of the following 4 categories

Member	\$60.00	_____
Non member	\$70.00	_____
Full-time student	\$30.00	_____
Student Poster Presenter (first author only)	\$00.00	_____
TOTAL DUE		_____

- Payment enclosed
- Will pay at Symposium

*Cash or Check only! NO CREDIT CARDS PLEASE.
Send registration form with check or money order payable to "Michigan Chapter AVS" to:*

Stephen Gaarenstroom, MI-AVS Treasurer
General Motors R&D Center
Chem. & Environ. Sci. Lab
30500 Mound Road, 480-106-320
Warren, MI 48090-9055

phone: 586-986-0835; fax: 586-986-0817

For your e-mail registration (with payment due at the Symposium), please include your contact information and category (member, nonmember, student, poster presenter) to: stephen.w.gaarenstroom@gm.com