

Graphene Nanomaterial and Neural Interfaces

38th Annual Spring Symposium
American Vacuum Society – Michigan Chapter

Co-Sponsored by
Wayne State University
Office of Vice President for Research
Nano Incubator Program
College of Engineering
Dept. of Electrical and Computer Eng.

Program & Registration Information



Thursday, May 12th, 2011
Wayne State University
Auditorium 1507, Engineering
Danto Engineering Development Center
5050 Anthony Wayne Drive
Detroit MI 48202

Symposium Objective

The American Vacuum Society Spring Symposium is a one-day conference dedicated to providing an overview of innovative scientific and technological developments in thin films and nanostructures. This year's symposium is focused on graphene nanomaterial and neural implants. However, we welcome poster presentations from all areas of microfabrication, thin film technology, and microsystem design.

<http://www2.avs.org/chapters/michigan/>

Meeting Schedule

8:00 Registration, Coffee and Breakfast
8:25 Opening Remarks

Keynote Speaker

Chair: Prof. P C Ku
8:30 **Dr. Shin Mou**, US Air Force Research Laboratory,
Dayton OH
9:10 **Prof. Daryl Kipke**, University of Michigan
9:50 *Coffee Break, Opening of Exhibition and Poster
Setup*

Session I: Graphene nanomaterial

Chair: Prof. M Cheng
10:10 **Prof. Zhixian Zhou**, Wayne State University
10:40 **Dr. Fubo Rao**, Michigan State University
11:20 **Prof. David Schall**, Oakland University

11:50 **Lunch and Equipment Exhibit**

1:10 **NanoFab Core Tour**

Session II: Neural Implants

Chair: Prof. Y Xu
1:30 **Prof. Dean Aslam**, Michigan State University
2:00 **Prof. Chris Zorman**, Case Western Reserve
University
2:30 *Coffee Break*
2:50 **Prof. Wen Li**, Michigan State University
3:20 **Jesse John, Prof. Yong Xu**, Wayne State
University
3:50 **Poster Session, Equipment Exhibit and Wine-
and-Cheese Reception**
4:50 **Award ceremony for student poster awards**
5:00 Symposium ends

For latest schedule, speaker bio and abstract, please check
<http://www.eng.wayne.edu/AVS2011>

Location: The symposium will take place in the EDC Auditorium at Wayne State University. A map is provided on the other side of this flyer. Parking (Structure #2) near Engineering Building is available in visitor parking areas.

Student Poster Session

Moderator: **Dr. Pilar Herrera-Fierro and
Dr. Amar Basu**

The symposium includes a poster session pertaining to the topics of interests to the AVS, namely *science and technology of materials, surfaces, interfaces, processing and vacuum science and technology*. Cash prizes will be awarded to the best posters. Please submit by email a 1-page abstract to Dr. Cheng (mcheng@eng.wayne.edu) by **May 9th**. Early submission is highly encouraged. Please use "AVS Poster" as the subject of the email.

Exhibition

As part of the 38th Annual Spring Symposium, an exhibition will be held to showcase related technologies and display analytical and processing equipment of interest to the attendees of the meeting. The exhibition will be open to all symposium attendees during the entire day. The exhibit is open to public viewing at no charge between 10 am and 6 pm.

Companies interested in exhibition may contact Dr. Cheng or Dr. Pilar Herrera-Fierro (pilarhf@eecs.umich.edu; 734.936.8239).

Organizing Committee

Amar Basu, Pilar Herrera-Fierro, PC Ku, Michael Lukitsch, Yong Xu
Symposium Chair: Mark Ming-Cheng Cheng

Registration Form

38th Annual Spring Symposium,
Graphene Nanomaterial and Neural Interfaces
Thursday, May 12, 2011

REGISTRATION FEE *(please circle one)*

| | Before May 6 | After May 6 |
|--------------------|--------------|-------------|
| Member | \$40 | \$60 |
| Non-member | \$50 | \$75 |
| Full-time student* | \$25 | \$35 |

*The registration fees are waived for AVS student members and student poster presenters (first author only)

TOTAL DUE _____

New! Three options to register:

1. Web registration: use this link

<http://www.eng.wayne.edu/AVS2011>

1. Email registration: please email the following information to Michael.lukitsch@gm.com

2. Mail-in registration: please mail this form to the following address:

Name: _____

Affiliation: _____

Mailing Address: _____

Phone: _____

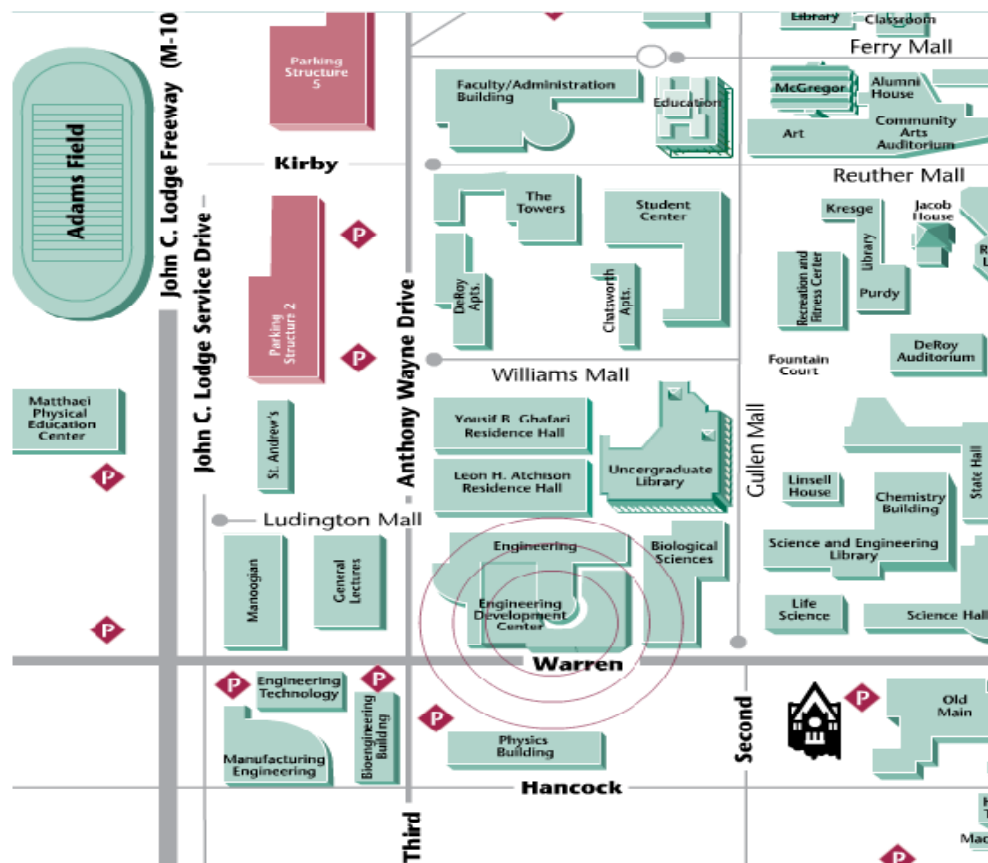
Email: _____

- Payment enclosed
 Will pay at Symposium

Cash or check is preferred, but credit cards can also be accepted. Check or money order should be payable to "Michigan Chapter AVS".

Mike Lukitsch , MI-AVS Treasurer
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For more information: <http://www.eng.wayne.edu/AVS2011>