



# IEEE SEM Nanotechnology Conference on 11/18/09

## Nanotechnology, Nanorobots, Nanobusiness, Nanoeducation

Organized by IEEE NTC, Robotics & Edu Chapters

**Sponsors:** A.J. Boggs, Ann Arbor and Nanobrick, Okemos

**General Chair:** Professor Dean Aslam, MSU (e-mail: [aslam@msu.edu](mailto:aslam@msu.edu))



### Nanotechnology in Medicine and Biology (Keynote)

James R. Baker, Jr., M.D., Director of Biologic Nanotechnology Institute, University of Michigan



### Nanotechnology Jobs in Michigan (Keynote)

Rick Snyder, Chair of the Board, CEO and a Co-Founder of Ardesta, LLC



### Wireless Integrated MicroSystems - Wearable and Implantable Devices for Improved Health Care (Dinner Keynote)

Kensall D. Wise, Director of NSF ERC for WIMS, University of Michigan



#### Technical Track A:

**Applying Small Area Networking to Nano Communications** - Bruce Emaus, President Vector Cantech

**NanoRobotic Systems and Nanomanufacturing** – Professor Lixin Dong, Electrical and Computer Engineering, Michigan State University

**High Speed Fabrication of Nanostructures by Roll to Roll Process** – Professor Jay Guo, Electrical Engineering and Computer Science, University of Michigan

**Integrating Nanotechnology Into Sensors, Lab-on-chip Systems and Other Electronic Devices** – Professor Cindy Harnett, Electrical and Computer Engineering, University of Louisville and Chair Nanotechnology Committee, IEEE Instrumentation and Measurement Society

**Developing Nano-scale Structures for EMC / EMI** – Dr. Ji Chin, Department of Electrical and Computer Engineering, University of Houston and IEEE EMC Society Distinguished Lecturer

**Resonant Nano- and Micro- Electromechanical Devices** – Professor Mina Rais-Zadeh, Solid State Electronics Laboratory, University of Michigan

#### Technical Track B:

**Nano Education** - Professor Bob Chang, National Center of Teaching of Nanoscale Science and Engineering Education, Northwestern University

**RFID and Nanotechnologies** – Professor Rob Clarke, School of Packaging, Michigan State University

**Nano Education for the 21<sup>st</sup> Century** – Robert Giasolli, VP of Americas, Micro and Nanotechnology Commercialization Education Foundation (To be confirmed)

**Panel Discussion: Nano Jobs and Workforce Training** – Professor Colletta Moser, Michigan State University and Robert Neff, Fortune Personnel Consultants of Troy.

Poster Sessions: Posters presenting research and studies in nanotechnology, nanofabrication, nano-system integration, MEMS and robots, nano-learning modules, and others.

Exhibit Tables: Sponsors and nanotechnology affiliated companies.

For more information and Registration visit: [http://ewh.ieee.org/r4/se\\_michigan/nano/](http://ewh.ieee.org/r4/se_michigan/nano/)