AGENDA

Tuesday May 10, 2011

8:00 am  Registration and Continental Breakfast, Lobby, Xerox Auditorium, James Gleason Building
8:30 am  Introductory Remarks, Jeremy Haefner, Provost and Vice President of Academic Affairs, Rochester Institute of Technology

Invited Talks
Session Chairs: Sean Rommel

8:40 am  **III-V Transistors on 200 mm Si Substrates**, Richard Hill, International SEMATECH

9:30 am  **OLED Solid-State Lighting**, Jeffery Spindler, Moser Baer Technologies, Inc
9:50 am  **Coffee Break**
10:10 am  **It’s not all Smoke and Micromirrors: One RIT uE Grad Reflects on College and Career 6 Years Later**, Lance Barron, Texas Instruments
10:40 am  **Outreach Activities in Microelectronic Engineering**, Michael Jackson
11:00 am  **Application of the E. O. Kane Model to Realized Tunnel Diodes: Moving Towards a Calibrated Analytical Tunnel FET Model**, David Pawlik
11:20 am  **Exploring the Physics of Thermoelectric Devices Using TCAD Simulation**, Shaoting Hu

12:00 pm  **Luncheon Honoring Industrial Affiliates, CIMS 2230, 2240-Dinosaur Barbeque a Rochester Tradition**
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Talks from RIT Microelectronic Engineering Students

Session Chair: Sean Rommel

1:30 pm  *SONOS EEPROM Capacitors*, Eugene Freeman
1:45 pm  *High Voltage NFETs to Control MEMS Actuators*, Kevin Gast
2:00 pm  *Characterization of a Geiger-mode Avalanche Photodiode*, Christopher Maloney
2:15 pm  *Thermo-Optic Modulator*, Steven McDermott
2:30 pm  *Isotropic Reactive Ion Etching for Optical Lift Testing*, Ashenafi Mamo
2:45 pm  *Fabrication and Testing of Carbon Nanotube Field Effect Transistors*, Michael Kassis
3:00 pm  *Coffee Break and Poster Session*

Session Chair: Dale Ewbank

3:15 pm  *Low level single wavelength photo detector*, Ellen Sedlack
3:30 pm  *Characterization of Indium-Tin-Oxide and Development of a Dry Etch Process*, Sarayu Rangarajan
3:45 pm  *Etchless Silicon Waveguides*, Steven Glenn
4:00 pm  *Automated Clutch Actuation: Electronics and Communication*, Joseph Corea
4:15 pm  *Incorporation of a Nitride Cap Layer to Strain Silicon*, Gray McPherson
4:30 pm  *Remarks and Introduction to Poster Session*
4:35 pm  Poster Session
6:00 pm  Adjourn