Spring-2011 Portland State University
PNNA – S E M I N A R S E R I E S
Multidisciplinary Topics on Science and Technology
Time: 11:00 a.m.  Place: Science Building 1 - Room 304

Friday April 1st
11:00 – 11:40 a.m.  Title: “Single molecule detection”
Speaker: Derek Nowak (Physics Department)
11:50 – 12:30 p. m.  Title: “Environmental (Bio) Minerals and Precipitates”
Speaker: Sherry Cady (Geology Department)

Friday April 8th
11:00 - 11:10 a.m.  Introduction to the plenary sessions
11:15 a.m. - noon  Title: “Bottom-up Approach to Nanotechnology”
Speaker: Mingdi Yan (Chemistry Department)
12:05 a.m. - 12:50  Title: Top-down Approach to Nanotechnology
“Fundamentals of MEMS and Microsystems”
Speaker: Lemmy Mekisho (Mechanical and Materials Engineering Department)

Friday April 15th
11:00 – 11:40 a.m.  Title: “Dip pen nanolithography on responsive materials”
Speakers: Andres La Rosa (Physics) and Mingdi Yan (Chemistry Department)
11:50 – 12:30 p.m.  Title: “Impact of nanoscale structure on macroscopic properties”
Speaker: Pradyumna Prabhumirashi

Friday April 22nd
11:00 – 11:40 a.m.  Title: “Nanometer localization of optical markers”
Speaker: Rodolfo Fernandez and Andres La Rosa (Physics Department)
11:50 – 12:30 p.m.  Title: “Microbial Crystallography”
Speaker: Radu Popa (Biology Department)

For further information contact  andres@pdx.edu  ranavas@pdx.edu