

Spring-2011

Portland State University

PNNA – SEMINAR SERIES

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)

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