



Physics Department

## Gert Rempfer Symposium on Electron Microscopy

January 27<sup>th</sup>, 2012, 12 noon – 6 pm,

Location: PSU, SMU Room 238

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*The symposium is dedicated to the memory of Gertrude Fleming Rempfer, our beloved colleague and one of the pioneers in electron microscopy, who would be 100 years old in January 30<sup>th</sup>, 2012.*

- 12:00-12:05     **“Welcome”**, Drake Mitchell, *Portland State University*.
- 12:05-12:30     **“The photoemission microscope at PSU - present capabilities and perspective for its future”**, Rolf Koenenkamp, Robert Word, Joe Fitzgerald, Tom Dornan, *Portland State University*.
- 12:30-12:55     **“A 20-minute history of electron microscopy”**, Ray Egerton, *University of Alberta*.
- 12:55 – 1:20     **“In-Situ TEM: From High Spatial Resolution to High Temporal Resolution”**, Nigel Browning, *Pacific Northwest National Laboratory*
- 1:20 – 1:45     **“3D EDS tomography”**, Huikai “Kay” Cheng, *FEI*
- 1:45-2:00       COFFEE BREAK
- 2:00 – 2:25     **“Electron Microscopy of Nanomaterials and Their Composites”**, Jun Jiao (PSU), Micah Eastman, Aaron Besser, Yanxue Chen, Rebecca Schaller, Wen Qian, Haiyan Li, *Portland State University*.
- 2:25 – 2:50     **“Structural Fingerprinting in TEM and Open Access Crystallographis Databases”**, Peter Moeck, Jack Straten, Sergei Rouvimov, *Portland State University*.
- 2:50 – 3:15     **“Using Electron/Ion Microscopy for building High Resolution Optical Microscopes”**, Erik Sanchez, Derek Nowak, Jeff Doughty, Noah Brummer, *Portland State University*.
- 3:15 – 3:40     **“HRTEM analysis of graphene films”**, Raj Solanki, Pavel Plachinda, Sergei Rouvimov, *Portland State University*.
- 3:40 – 4:05     **“Automated Crystal Orientation mapping in TEM”**, Sergei Rouvimov<sup>1</sup>, P. Moeck<sup>1</sup>, Edgar Rauch<sup>2</sup>, Stavros Nicolopoulos<sup>3</sup>, <sup>1</sup>*Portland State University*, <sup>2</sup>*CNRS (France)*, <sup>3</sup>*Nanomegas (Belgium)*
- 4:05 – 6:00     POSTER SESSION & RECEPTION

NOTE: The attendance of the symposium is free of charge, but the reservation is recommended.



Contacts: Portland State University, Physics Department:  
503-725-8744

Sergei Rouvimov, Email: [rouvimov@pdx.edu](mailto:rouvimov@pdx.edu)