Oak Ridge Chapter of ASM International

Presents

2007 Educational Symposium

Neutrons for Materials Science and Engineering

Wednesday April 18, 2007

Agenda

7:50 – 8:20 AM	Registration & Continental Breakfast
8:20 – 8:30 AM	Opening Remarks: Camden Hubbard, Materials Science and Technology Division, ORNL
8:30 - 8:40 AM	Welcome and Overview of ORNL, Michelle Buchanan, Associate Laboratory Director for Physical Sciences, ORNL
8:40 -9:20 AM	Ian Anderson *"Neutrons 101 – Basics on Production, Overview of Uses, and Summary of North American Availability"* Neutron Scattering Science Division, ORNL
9:20 –10:00 AM	Despina Luca *"Neutron Scattering on Magnetic Materials"* Physics Department, University of Virginia
10:00-10:20 AM	Break
10:20-11:00 AM	Greg Smith *"Neutron Reflectometry Investigations of Thin Films and Interfaces"* Neutron Scattering Science Division, ORNL
11:00-11:40 AM	Dean Myles *"Biomedical and Biocompatible Materials"* Chemical Science Division, ORNL
11:40-12:40 PM	Working Lunch & Posters & Discussions
12:40-1:20 PM	John Root *"Engineering and Industrial Applications of Neutron Scattering at Chalk River Laboratories"* Canadian Neutron Beam Centre, Chalk River Laboratories
1:20- 2:00 PM	Xun-Li Wang *"In-situ Study of Phase Transformation Kinetics"* Neutron Scattering Science Division, ORNL
2:00- 2:40 PM	James Richardson *"Fuel Cell Related Materials Using in situ Neutron Diffraction"* Intense Pulsed Neutron Source, Argonne National Laboratory
2:40 - 3:20 PM	Craig Brown *" Applying Neutron Scattering to Quest for Hydrogen Storage Materials"* Center for Neutron Research, NIST
3:20 – 4:00 PM	Don Brown *"Materials Deformation Behavior by Neutron Scattering"* Lujan Neutron Scattering Center, Los Alamos National Laboratory
4:00 - 4:10 PM	Break
4:10 - 6:00 PM	Tours SNS and HFIR Group 1 SNS/HFIR Group 2 HFIR/SNS

Symposium Location

Spallation Neutron Source
Central Laboratory and Office Building
Oak Ridge National Laboratory
Oak Ridge, TN 37831

Tel: 865- 241-5644

★★★★★ FIVE STAR CHAPTER

ASM INTERNATIONAL Oak Ridge Chapter

The Materials Information Society

Registration

http://www.sns.gov/workshops/EdSym2007

- Registration Fee: $100
- Retired member Fee: $65
- Student Fee: $40
- RSVP by noon on Monday April 9th at the website

Contact: Camden Hubbard

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