

TMS 2010

139th Annual Meeting & Exhibition

February 14 - 18, 2010, Washington State Convention Center, Seattle, Washington USA



ANSWER/MRI Tutorial Series: Neutron and Synchrotron Scattering 101 for Structural Materials Researchers Sunday, February 14, 1 to 4:30 p.m.

The application of neutron and synchrotron scattering in the study of engineering materials has become increasingly important because of its unique ability to provide microscopic information about the microstructural features and mechanical behaviors of advanced materials and composites.

Who should attend?

Material science researchers or engineers interested in neutron materials studies, mechanical behaviors and processing of materials.

This tutorial is free to the first 25 students who register. Please contact Nate Natale, technical support services specialist at: natale@tms.org.

Topics and instructors

1 to 1:15 p.m.: "NSF-ANSWER and MRI Program Introduction," by **Peter Liaw**

1:15 to 2:45 p.m.: "Elastic Plastic Self-consistent (EPSC) modeling collaborated with Neutron Diffraction Experiments," by **Sean Agnew**, Associate Professor, University of Virginia

2:45 to 3 p.m.: Break

3 to 4:30 p.m.: "Profile Analyses," by **Tamas Ungar**, Professor, Eotvos Lorand University

Organizers

Peter Liaw, professor and Ivan Racheff Chair of Excellence, University of Tennessee

Camden Hubbard, group leader, Diffraction and Thermophysical Properties Group, Oak Ridge National Laboratory

Hahn Choo, associate professor, University of Tennessee

Xun-Li Wang, distinguished scientist and group leader, Powder Diffraction and Imaging Group, Neutron Scattering Science Division, Oak Ridge National Laboratory

Takeshi Egami, distinguished scientist, University of Tennessee/Oak Ridge National Laboratory

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How to Register

Register by January 15, 2010 using the [online registration form](#) or download the [registration form \(PDF\)](#) and mail or fax with your payment. Cost is \$100 for members and \$125 for nonmembers.

For More Information

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