



Call for Papers: Advancing Materials Characterization with Neutrons, Symposium 5B, International Materials Research Congress XXII

Neutron scattering is one of the most powerful techniques for characterizing materials. The unique properties of the neutron compared to other probes, such as X-rays, make it especially suitable for the study of magnetic materials, hydrogen storage materials, oxides, alloys and intermetallics. This symposium will draw together recent advances in instrumentation, sample environment and data analysis methodology to demonstrate how this technique is evolving to tackle complex problems in modern materials research studies.

Submit Abstract: <http://www.mrs-mexico.org.mx/imrc2013>
 Deadline: April 26, 2013

Confirmed invited speakers:

- **Collin Broholm**, Johns Hopkins University, USA
- **Hiroshi Kageyama**, Kyoto University, Japan
- **Jeff R. Long**, University of California, Berkeley, USA
- **Katharine Page**, Lujan Neutron Scattering Center, Los Alamos National Laboratory, USA
- **Andrew Goodwin**, University of Oxford, United Kingdom
- **Johnpierre Paglione**, University of Maryland, USA
- **Donna Arnold**, University of Kent, United Kingdom
- **Valeria Lautner**, Spallation Neutron Source, Oak Ridge National Laboratory, USA
- **Yun Liu**, NIST Center for Neutron Research, National Inst. of Standards and Tech., USA

Symposium topics to be addressed include:

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| • Magnetic thin films and nanomaterials | • Porous materials for gas storage |
| • Phase change materials | • Frustrated magnetic materials |
| • Superconducting materials | • Functional inorganic materials |
| • Structure and dynamics of complex fluids | |

Symposium organizers: Efrain E. Rodriguez, University of Maryland, efrain@umd.edu; Clarina de la Cruz, Oak Ridge National Laboratory, delacruzcr@ornl.gov; Jose Abelardo Rivera-Rodriguez, NIST, jose.rodriguez@nist.gov; Ramon Castañeda, Universidad de Guanajuato, ramoncp@fisica.ugto.mx; Cameron Kepert, The University of Sydney, cameron.kepert@sydney.edu.au