

The Future of Neutron Scattering in Canada

Special session at the American Conference on Neutron Scattering
June 28, 8-10am, Château Laurier, Ottawa

<http://www.cins.ca/acns2010/>

Neutron scattering in Canada may be close to an historic turning point. The 52-year old NRU reactor in Chalk River is showing its age, now having been shutdown for over a year for repairs. Recently, the Government of Canada stated:

It is not the intention to have the NRU produce isotopes beyond 2016. Investment in non-reactor-based production is intended to support development of non-federal supply options that will serve well beyond 2016. ... A research reactor serves many missions. The need for a new reactor for these other purposes would need to be based on a thorough assessment of the missions, including neutron scattering and R&D for the nuclear industry, and consideration of the appropriate sharing of costs among the many users and beneficiaries of such a facility.¹

This session will discuss how to ensure a vibrant Canadian scientific community has access to neutron-based experimental facilities in the coming decades. An expert panel will represent R&D perspectives from the Canadian nuclear industry and the North American neutron scattering community. The session will also provide an opportunity for stakeholders to discuss a course of action.

Overview (8:00 – 8:30am)

Dominic Ryan, President, Canadian Institute for Neutron Scattering (CINS)

Danial Wayner, Vice-President Physical Sciences, National Research Council Canada (NRC)

Discussion on access by the Canadian scientific community to neutron-based experimental facilities in the coming decades (8:30 – 10:00am)

Moderator: Danial Wayner

Panelists:

- Bruce Gaulin, President of the Neutron Scattering Society of America, and Director of the Brockhouse Institute for Materials Research at McMaster University.
- Thom Mason, Director of Oak Ridge National Laboratory.
- Denise Carpenter, President of the Canadian Nuclear Association.
- Basma Shalaby, President of the University Network of Excellence in Nuclear Engineering, and Professor of Engineering Physics at McMaster University.
- Ben Rouben, Executive Administrator, Canadian Nuclear Society.
- Dean Chapman, representing the proposed Canadian Neutron Source at the University of Saskatchewan.

Panelists will each provide a brief (5-7 min.) presentation followed by discussion.

To register for *this session only*, please complete the attached form and return by June 14 to:

Donna Gillespie, Fax 724-779-8313, Phone 724-779-3003, info@mrs.org

For more information about this session, contact: Daniel Banks, 613-584-8298

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¹ Government of Canada Response to the Report of the Expert Review Panel on Medical Isotope Production. March 31, 2010. <http://nrcan.gc.ca/eneene/sources/uranuc/mediso-eng.php>.