

NEW USER SYMPOSIUM 2016

6 SEPTEMBER 2016

National Centre for Synchrotron Science



Ansto

Australian Synchrotron

AINSE

The Australian Nuclear Science and Technology Organisation (ANSTO), the Australian Synchrotron and the Australian Institute of Nuclear Science and Engineering (AINSE) welcome you to the 2016 New User Symposium.

The New User Symposium will introduce researchers to a wide range of synthesis and characterisation techniques at the Lucas Heights (Sydney) and Clayton (Melbourne) campuses of ANSTO. Techniques covered include: biological and chemical deuteration; powder diffraction and small angle scattering using synchrotron X-rays; X-ray fluorescence microscopy; inelastic neutron scattering; small angle neutron scattering; neutron radiography; accelerator mass spectrometry; and heavy ion microprobe methods.

These methods encompass a huge range of research areas:

Biosciences and Health	Chemistry
Earth and Environmental Science	Physics
Advanced Materials	Agriculture and Food processing
Engineering and Manufacturing	Cultural Heritage and Archaeology
Energy and Sustainability Science	

Travel support funding can be sought by graduate students and Early Career Researchers to attend the Symposium. Candidates for travel support must be part of an AINSE-member organisation.

New User Symposium

REGISTRATIONS

can be made at:

<http://events.synchrotron.org.au>

REGISTRATION FEE

\$50.00^{+GST}

About the Australian Synchrotron

The Australian Synchrotron is a 3 GeV electron accelerator that generates intense beams of infrared and X-ray light for the characterisation of biological and advanced materials. The Australian Synchrotron is the largest and most powerful particle accelerator in Australia has been operational since 2007, and current operates 10 beamlines. The Facility, now operated by ANSTO employs around 140 staff and hosts more than 5000 researcher visits every year.

About AINSE

The Australian Institute of Nuclear Science and Engineering (AINSE) is an integral organisation for enhancing Australia's capability in nuclear science and engineering by facilitating world-class research and education. AINSE offers a range of programs and services to its members including generous conference support, inspiring symposiums, Honours / Postgraduate scholarships and intensive education schools. These benefits aim to foster scientific advancement and promote an effective collaboration between AINSE members and ANSTO.

About ANSTO

ANSTO is Australia's national nuclear organisation and has operated since 1953. Its functions and activities are set down by the *ANSTO Act 1987*. The main campus of ANSTO is located at Lucas Heights in Sydney, where it operates the 20 MW OPAL Research Reactor and employs more than 1200 staff. In addition to being one of the world's largest manufacturers of radiopharmaceuticals for cancer treatment and diagnostics, ANSTO

- Provides expert scientific and technical nuclear advice to researchers, government and industry;
- Operates large and landmark nuclear science and technology based facilities for the benefit of industry and the Australian research and development community, including postgraduate students and staff in higher education; and
- Undertakes research on specific topics to advance the understanding of nuclear science and the nuclear fuel cycle.