



Accessing Beamtime at the Australian Synchrotron

Karen Siu

User Program Coordinator

Supported
by



MODES OF ACCESS



All proposals for beamtime must be submitted via the online proposal system

portal.synchrotron.org.au

NORMAL PROPOSALS

Peer reviewed on the basis of scientific merit.

user.office@synchrotron.org.au

COMMERCIAL PROPOSALS

Paid access for work that is proprietary and unlikely to be published.

kerry.hayes@synchrotron.org.au

MERIT

3 calls for proposals per year

MX COLLABORATIVE ACCESS PROGRAM

One call for proposals per year

RAPID ACCESS

Within standard round (usually MX only)

HOW ARE MERIT PROPOSALS ASSESSED?




- 4 scientific reviewers score:
 - Quality of the Scientific Proposal (40%)
 - National Benefit & Applications of the Proposed Research (30%)
 - Track Record (relative to opportunity) (30%)
 - Need for Synchrotron Light (yes/no only)
- AS staff review technical feasibility and safety aspects
- Scores are collated and reviewed by the Program Advisory Committee (PAC) for each beamline. The PAC ranks proposals, excluding those which do not meet the feasibility and need for synchrotron radiation hurdles
- The Head of Science conducts final review

ONLINE PROPOSAL PORTAL



portal.synchrotron.org.au

05 Sep 2016 11:00 AEST



Australian Synchrotron User Portal

Home » login

✓ Please try your VBL password if your Portal password is no longer working. Accounts have now been synchronised over both systems.

Fields with * are required.

Email *

Password *

[Forgotten your Password?](#) | [Create an Account](#)

[Sign In](#)

Welcome

This portal is for the submission and review of proposals and subsequent experiments at the Australian Synchrotron and for International Synchrotron Access for Australian-based researchers. Please login if you have an account. If you are a new user please create your account

You can then proceed using the system, e.g. for submission of proposals, reviewing proposals, adding experimenters, providing experimental reports and similar. For queries regarding this system please contact user.office@synchrotron.org.au.

If you are from industry and have a question about accessing beamtime you will find further information at www.industry.synchrotron.org.au.

You need JavaScript and pop-ups enabled.

About Us Users Guide	Contact Us User Office Email Webmaster	Legal Info Privacy Policy Terms and Conditions	Other AS Sites VBL Website Synchrotron Website
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Portal account holders receive regular reminders of deadlines (opt out possible)

ACCOUNT HOME PAGE



Logged in as | [Logout](#) | 05 Sep 2016 11:05 AEST



Australian Synchrotron User Portal



[Home](#) » [Dashboard](#)


Dashboard

If you have multiple accounts, please contact the [User Office](#) advising which accounts belong to you and your correct email address

When making any edits in this system, please save your work regularly. An inactive session will be timed out after 30 minutes. Unsaved changes will then be lost.

Proposals


Manage and create proposals here.



- [View](#)
 - proposals (4)
 - programs (3)
- [Create](#) new proposal

Account


Edit your account information here.



- [My Account](#)
- [Update Email](#)

Publications


Manage and create publications here.



- [View](#) my publications (1)
- [Create](#) new publication

Exams


Exams and Inductions:



- [My Exams/Inductions](#) (5)

Chemical Database


Search the chemical database here.



- [Search the database](#) (coming soon)

Beamline Schedule

Manage experiment bookings.



- [Beamline Schedule](#)

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CREATING A PROPOSAL



Create Proposal

Instructions:

1. Enter the title of your experiment in the text box below (this is a mandatory field).
2. Select an Instrument.
3. Select one of the open Rounds, which are reliant upon the chosen Instrument.
4. Click the 'Next' button to proceed to Stage 2 of the proposal creation process.

**Warning* your proposal will not be created in the Portal until you complete both of the beamtime proposal stages.*

Beamtime Proposal Stage 1:

Expt Title *

Instrument

Equipment set id

[Show/Hide Details of Available Instruments](#)

Round Details

Round *

Beamline facility accessed through ASRP or AS International Synchrotron Access Program (ISAP). ▾

Beamline facility accessed through ASRP or AS International Synchrotron Access Program (ISAP).

Focal plane array IR microscope off-line

Imaging and Medical

Infrared microscopy

MX1: Macromolecular CrystallographyMX2: Micro Crystallography

Optical Diagnostic Beamline

Powder Diffraction

Small/wide angle X-ray scattering

Soft X-ray spectroscopy

THz / Far-infrared

X-ray absorption spectroscopy

X-ray fluorescence microscopy

[Show/Hide Details of Current Rounds](#)

Proposal Round	Description	All Dates		Facility Name
2017/1	Merit proposal round for beamtime January - May 2017. Proposal deadline 11.59 pm 7 Sept 2016 (Melbourne time).	Open:	17/08/2016	Australian Synchrotron
		Deadline:	07/09/2016	
		Start Date	31/01/2017	
		End Date	15/05/2017	
ISAP 2016/3	Application for funding to access overseas synchrotrons via the ISAP. This round is valid for beamtime scheduled at an overseas facility from 13 July 2016 onwards. The deadline for applications is 11:59pm 8 November 2016.	Open:	13/07/2016	External Facility
		Deadline:	08/11/2016	
		Start Date	13/07/2016	
		End Date	31/12/2016	
2016/3 RA1	Macromolecular crystallography rapid access round for 2016/3. Proposal deadline 11.59pm 12 Sep 2016 (Melbourne time), for beamtime 05 Oct 2016 (MX1 & MX2).	Open:	05/09/2016	Australian Synchrotron
		Deadline:	12/09/2016	
		Start Date	05/10/2016	
		End Date	06/10/2016	

[Next >](#) [Cancel](#)

WHAT TO INCLUDE IN YOUR PROPOSAL



Experiment

Researchers

Beamline

Samples

Figures

Submit

SCIENTIFIC PURPOSE & IMPORTANCE

- Why is the work important?
- Describe the aims of the experiment and what information you expect to get out of the beamtime
- National benefit and applications
 - Alignment with national research priorities
 - Evidence of impact to consumers or adopters, e.g. funding/grants, industry partnerships, patents etc.
 - Impact can be economic, environmental, health, social or cultural

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PROPOSED EXPERIMENT

- Describe the experimental plan
 - Temperatures required for the measurement (RT, cryostat, furnace?)
 - X-ray/IR energies required
- Samples
 - Physical form of the sample (solid, liquid, crystal, powder)
 - Dimensions of sample and sample mounting (custom sample holder?)
- How does experiment align with BL capabilities?
 - Include results of the previous experiments and/or complementary data from lab techniques
- Justify the time requested in detail
 - E.g. 5 samples x 10 temperature steps x 3 energies
 - Time is allocated in shifts of 8 hours (3 shifts per day)
- Describe how you will analyse your data
- **Consult beamline scientists before writing your proposal**



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EXPERIENCE OF PARTICIPANTS AND OUTCOMES OF PREVIOUS EXPERIMENTS

- A description of the experience of all applicants on the proposal
- List all AS funded synchrotron experiments performed during the last 3 years and give a brief description of the outcomes, such as publications.
- If you are a new user, include your publication record for the last 3 years.
- Be sure to update AS related publications in your account (these will automatically be added to your proposal)

NEED FOR SYNCHROTRON RADIATION

- Why do you need synchrotron radiation for this work?
- Why can't it be done with laboratory facilities?

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RESEARCHERS NAMED ON THE PROPOSAL

- Researchers listed on proposal do not have to attend beamtime
- Researchers that attend the beamtime do not have to be listed on the proposal
- Consider collaborating with an expert user and/or beamline scientist
- Students cannot be the Principal Scientist (but can be editors) on a proposal

WHAT TO INCLUDE IN YOUR PROPOSAL



Experiment

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Beamline

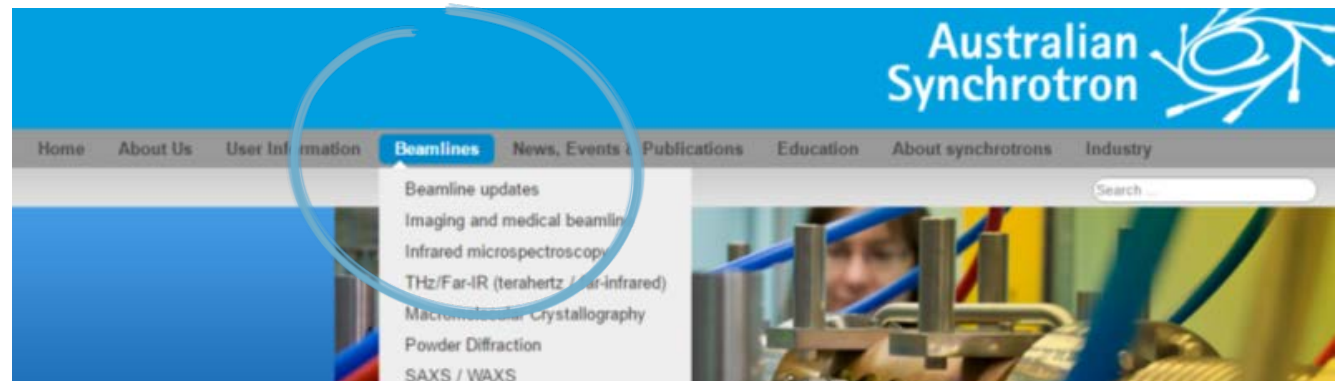
Samples

Figures

Submit

BEAMLINER DETAILS

- Choose number of shifts – each shift is 8 hours – highly dependent on beamline
 - You may specify impossible dates, but the beamline cannot guarantee any particular dates
- Make your choice strategic and justifiable
- Some beamlines require extra information – be sure to consult the ‘Beamline updates’ section of our website for the latest requirements
- **Consult the beamline scientists**



WHAT TO INCLUDE IN YOUR PROPOSAL



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- The Submit page will warn you if items are missing or incomplete in your proposal
- Check the pdf version of your proposal carefully – this is the version that the reviewers will receive
- Save, save, save your proposal frequently (30 minute timeout)
- Make sure you submit!!
- Be aware of the deadlines – **NO EXTENSIONS ARE POSSIBLE!**
 - Note that AS proposal deadlines are different to separate from other ANSTO instrument proposal deadlines (Australian Centre for Neutron Scattering, Centre for Accelerator Science, Deuteration etc.)

TRAVEL FUNDING



TRAVELLING TO THE AUSTRALIAN SYNCHROTRON

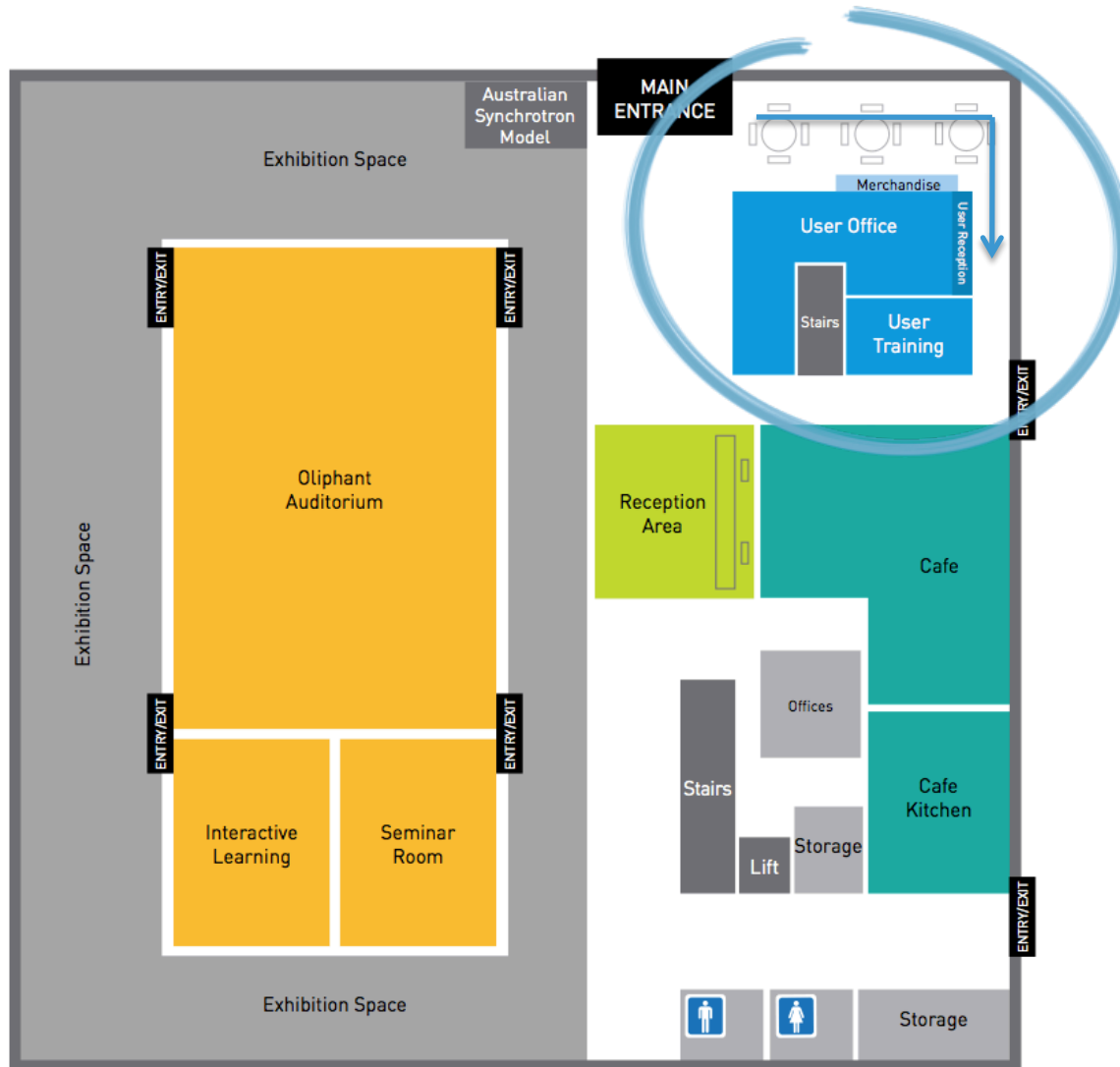
- Flights and ground transport funding is provided for interstate and NZ users up to 3 people per experiment
- Accommodation at the Australian Synchrotron Guesthouse



TRAVELLING TO INTERNATIONAL SYNCHROTRONS

- International Synchrotron Access Program (ISAP)
- Has been approved by a review committee of an overseas synchrotron
- Applications judged on the basis of need and of strategic importance to the development of the Australian research community
- Can be submitted anytime, but proposals are reviewed 3 times per year

USER OFFICE LOCATION



CONTACT



user.office@synchrotron.org.au

Ph: (03) 8540 4193 or

(03) 8540 4217

www.synchrotron.org.au

The screenshot displays the Australian Synchrotron website. The header features the logo and navigation links: Home, About us, **User Information**, Beamlines, News, Events & Publications, Education, About synchrotrons, and Industry. A search bar is located on the right. A dropdown menu for 'User Information' is open, listing: User Portal, Applying for Beamtime, MX Collaborative Access Program, Pre-beamtime requirements, Post-beamtime requirements, Australian access to overseas synchrotrons, User Services, Industry and commercial users, Australian Synchrotron Guesthouse, and Frequently Asked Questions. A blue circle highlights the 'User Information' menu item and its dropdown. Below the menu, a 'User Information' section is visible, starting with 'The Australian Synchrotron is free of charge for all researchers who are publishing results in open literature and is allocated'.

OTHER INSTRUMENT PORTALS



- Australian Centre for Neutron Scattering (neutron beam instruments and National Deuteration Facility)
 - Contact: bragg-user-office@ansto.gov.au
 - Portal: <http://neutron.ansto.gov.au/>
 - Phone: +61 2 9717 7232
- ANSTO Interim Research Portal (all other instruments)
 - Contact: nstuseroffice@ansto.gov.au
 - Portal: <http://portal.ansto.gov.au/>
 - Phone: +61 2 9717 7232