

User Meeting 2018



Thursday 22 November 2018 - Friday 23 November 2018

Australian Synchrotron

Scientific Programme

Abstracts are sought for oral or poster presentations in the thematic tracks listed below. All abstracts are peer reviewed for program inclusion, with the aim to provide a high quality program that reflects the diversity of the synchrotron research community. The descriptions below are not intended to be prescriptive.

Advanced Materials

Includes (but not limited to) advanced alloys, semiconductors, solid state chemistry, nano materials, materials chemistry, porous materials, ceramics, magnetic materials, thin films, hierarchical materials, batteries, energy materials, chemical synthesis and characterisation.

Biological Systems

All aspects of biological systems from cells and organelles, to organs and tissues, to the respiration and circulatory systems.

Earth and Environment

Includes (but not limited to) geology, soil science, geochemistry, mineralogy, ecology, and plant science.

Imaging

Covering all aspects of X-ray imaging including X-ray fluorescence imaging, radiography, and tomography.

Radiotherapy

The use of radiation, including synchrotron radiation for the treatment of cancer.

Soft Matter

Includes but is not limited to polymers, colloids, micelles, liquid crystals, soft nanotechnology, self-assembly, drug delivery, foams, gels, and supramolecular chemistry

Structural Biology

Research to disclose the structure of biological macromolecules and the relationship of such structure to biochemical and biophysical processes.

Surfaces

Includes (but not limited to) surface science, chemistry and physics of 2D materials, thin films, surface chemistry, catalysis, surface coatings, and nanoscale science.

Technique Development

All aspects of technique development covering all aspects of synchrotron science.

Industry

Research performed by industry users or in collaboration with industrial partners.

Mark Ridgeway Presentation

Plenary 1 - Dr. Qun Shen, Deputy Director for Science, NSLS-II Sponsored by Monash University

Plenary 4: Dr. Cathy Foley, Deputy and Science Director of CSIRO Manufacturing

Plenary 2: Research Award Talk: Dr. Neeraj Sharma, University of NSW

Plenary 3: Lifetime Contribution Award Talk: Prof. Emeritus Dudley Creagh, University of Canberra