

# 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**