

# Australian Synchrotron



**Thursday, 19 November 2020 - Friday, 20 November 2020**

**ANSTO**

## Scientific Programme

## **Advanced Materials and Hard Matter**

MOFs, Batteries, Energy generation and storage, Magnetic and electronic materials  
Solar cells, Electrical and electronic materials sensors

## **Manufacturing, Engineering and Cultural Heritage**

Manufacturing processes, 3D Printed materials, Palaeontology  
Art history and restoration, Engineered microstructures  
Archaeology and rock art, Advance alloys and ceramics

## **Earth, Atmosphere and Environment**

New mineral structures  
Fluid flow through rocks, Volcanology, Mineral processing  
Geochemistry, Metals in the environment, Mineral formation and processing  
Geochemistry, Mineral formation and processing, Astro-geology  
Soil science, metals in the environment, Mineral formation and processing, Atmospheric chemistry

## **Chemistry, Catalysis and Soft Matter**

Chemical crystallography / Organometallic complexes  
In situ / In operando chemistry, Coordination complexes and MOFs  
Polymers, Surfactants, Nanomaterials, Organic electronics  
Catalytic systems, In situ chemistry, Electrochemistry, Organic electronics

## **Biomedicine and Health**

In vivo and In vitro Bio-imaging, Medical implants  
Cellular imaging, Role of metals in disease  
Biomaterials, Pharmaceutical formulations, Food and nutrition  
Structure and speciation of metal based drugs, Nutrition

## **Life Science and Structural Biology**

Protein and Biomolecular Crystallography, Drug discovery  
Protein and Biomolecular Structure and Function  
Metaloprotein Structures