

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
- Metalloprotein Structures