

ACNS SAMPLE ENVIRONMENT UPDATE

Wednesday, 11 November 2020 17:30 (20 minutes)

The sample environment suite at ACNS has continued to grow. In the last year we have successfully commissioned our new helium dilution cryostat and the 7T magnet. The magnet has brought important capability for experiments requiring magnetic field to Pelican. We will talk about these new capabilities, how to get the best out of our suite of equipment and some recent unique and interesting sample environment set ups. We will also launch our handbook, covering everything you need to know about our equipment.

We have a number of exciting projects coming up to show you. We are currently working on Direct Laser Melting (DLM) deposition system co-funded by a NSW RAAP grant. Also underway are LIEF grants with equipment for use at ACNS, one includes a rheometer for use on ACNS beam instruments.

In the middle of 2021 we will receive funding to replace our older equipment. The NCRIS RIIP scheme will fund new cryofurnaces, a new type of furnace, a uniaxial press and other equipment.

Level of Expertise

Speakers Gender

Female

Do you wish to take part in the poster slam

No

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Session Classification: Neutron Instruments & Techniques

Track Classification: Neutron Instruments & Techniques