

ANU Advanced Instrumentation and Technology Centre

Dr Naomi Mathers, Industry Liaison Engineer

The Advanced Instrumentation and Technology Centre (AITC) is a national facility in Canberra, Australia. It was established to support the development of the next generation of instruments for astronomy, and space science. The AITC offers an end-to-end capability with expertise in the design, manufacture, integration and test of precision instrumentation and complex systems for astronomy and space.

The AITC is currently supporting the development of an instrument for the Giant Magellan Telescope project and developing the adaptive optics sub-system. They are also applying adaptive optics to the problem of tracking and de-orbiting space debris that might cause damage to satellites as part of the Space Environment Management Co-operative Research Centre.

These projects provide a framework for national and international collaboration. They also support the development of future capability through hands-on projects, work placements and access to experts. The aims of the UNISEC Global initiative are well aligned with that of the AITC, providing an excellent opportunity to increase international collaboration and opportunities for students. This presentation will provide a brief update on the AITC, current opportunities for domestic and international students, and future plans.