Mount Stromlo Summer Student Presentations 2016

This summer the Mount Stromlo Observatory hosted two undergraduate student programs that develop skills in astronomy, astrophysics and space engineering, and a broader understanding of the industry, the AITC Internship/Northrop Grumman Externship Program and the ANU Summer Scholars program.

To celebrate the completion of these programs you are invited to attend the final presentations, meet the students and network with the experts that have supported them.

**Summer Scholars**
The Summer Scholars program gives undergraduate students an insight into what studying Honours or a postgraduate research degree is all about. Under the supervision of one of Stromlo’s eminent researchers, students complete an individual research project

- **Tom Dixon:** Investigating and Implementing Latency Characterisation Methods for Adaptive Optics Cameras
- **Patrick Dawson:** Mass transfer in close binary stars
- **Shani De Leeuw:** Machine Learning and Data mining of the Skymapper Survey

**AITC Interns**
The AITC Internship program gives undergraduate engineering students hands-on experience. Students contribute to an active project under the supervision of AITC technical experts and industry specialists.

- **Ryan Ridden-Harper:** How did the weather on the early Earth control the recession of the Moon?
- **Matthew Whitley:** Platform stability for a balloon borne UV telescope
- **Aidan Kerr:** Commissioning and Characterising a Mass Properties Test Facility
- **Diane Salim:** Turbulence in Hickson Compact Groups

Please see [rsaa.anu.edu.au](http://rsaa.anu.edu.au) for program schedule and abstracts

**Northrop Grumman International Externship Program**
Thanks to support from Northrop Grumman through their International Externship Program, this opportunity could be opened to students Australia wide.

- **Ross Murray:** Quad Cell Alignment of Adaptive Optics Guide Star Laser Beam Transmitted Through Zerodur Mirror Optics
- **Patrick Wain:** Commissioning and Characterising a Mechanical Shock Test Facility
- **Ali Haji Babaei:** Characterisation of Attitude Determination and Control Systems for CubeSats
- **Justin Kruger:** A survey and recommendation of CubeSats Attitude Determination and Control System test rigs for the Advanced Instrumentation and Technology Centre

Please see [rsaa.anu.edu.au](http://rsaa.anu.edu.au) for program schedule and abstracts

**Important details**
- **Date:** Friday 22 January 2016
- **Time:** 12:00pm – 6:00pm (detailed program [rsaa.anu.edu.au](http://rsaa.anu.edu.au))
- **Venue:** Duffield Lecture Theatre, Mount Stromlo Observatory
- **Cost:** FREE
- **Live stream:** [YouTube](https://www.youtube.com/watch?v=chwv_25ELEE)


**Networking Event**
Registered participants are invited to join the students, supervisors and industry experts for drinks and light refreshments. This networking session is sponsored by the AIAA Sydney Section from 5:00pm – 6:00pm [https://info.aiaa.org/Regions/Int/Sydney/](https://info.aiaa.org/Regions/Int/Sydney/)