



Program 4 – The Andy Thomas Space Foundation/University of Melbourne SPiRIT Satellite Internship

Applications are now welcome for the SPiRIT satellite internship. Five internships to a value of \$6,000 each are available for Australian Citizens or permanent residents residing in Australia and currently enrolled in a tertiary degree (undergraduate or postgraduate) to spend 7 weeks contributing to the SPiRIT mission as part of one of the industry partner teams participating in the mission.

Remuneration of \$6,000 including superannuation will be paid to each intern by the SPiRIT industry partner hosting the intern for the seven week internship.

Women, Aboriginal and Torres Strait Islanders, the LGBTIQ+ community, people living with disability and those from a culturally and linguistically diverse background, are strongly encouraged to apply.

This project received grant funding from the Australian Space Agency's International International Space Investment - Expand Capability grant opportunity.

Overview

The SPiRIT mission is a partnership between The University of Melbourne, Sitael Australia, Inovor Technologies, Neumann Space and Nova Systems, receiving grant funding from the Australian Space Agency's International Space Investment: Expand Capability scheme ('the SPiRIT Consortium'). SPiRIT is also supported by the Italian Space Agency, and in an advisory role by the United Kingdom Space Agency. SPiRIT is a 6U (10kg) CubeSat under development for launch in late 2022 that will break new ground in high-performance autonomous operations, communications, propulsion and thermal management, and be the first Australian-made spacecraft to host a foreign space agency payload, showcasing both the competitiveness of Australia's space industry, and the synergies evident between different sectors of the industry. The project will demonstrate the viability of Australian products in the global space industry supply chain, give hands-on training to grow a highly capable space-sector workforce, contribute to scientific investigations in the area of high energy astrophysics, and inspire the Australian public.

The internship will give successful applicants the opportunity to participate to the development of the spacecraft during the assembly, integration and testing phase of the project during next summer (December 2021 - February 2022). Candidates should indicate their preference for the industry partner team they wish to join, with specific internship projects ranging from contributions to the spacecraft platform and flight software development/testing (Inovor Technologies), spacecraft systems engineering (Sitael Australia), electric propulsion payload (Neumann Space), and intelligent ground segment operations (Nova Systems). The \$6,000 internship will last seven weeks with a flexible start date to be negotiated between the successful applicant and the industry partner.

SpIRIT mission website: <https://spirit.research.unimelb.edu.au/>

Specific Requirements

The internship is open to students currently enrolled in an undergraduate or graduate degree at a university in Australia and with full working rights (i.e. not requiring a visa sponsorship to undertake the internship).

The Foundation and the SpIRIT Consortium are committed to creating a diverse and inclusive environment that welcomes and values all people. We recognise that diversity is essential in contributing to the success of the SpIRIT mission. Women, Aboriginal and Torres Strait Islanders, the LGBTIQ+ community, people living with disability and those from a culturally and linguistically diverse background, are strongly encouraged to apply.

Timeline

- 1 April 2021 – Applications open
- 31 July 2021 – Applications close (must be received by midnight CST) open
- 1 August – 31 August 2021 – Selection and interviews of shortlisted candidates
- 3 September 2021 – Successful recipients notified
- December 2020 – February 2022 – Time frame for internships

Submission content and format

The application must include:

- 1. A completed application form**
 - To download the application form or complete the application on-line, go to <https://andythomas.foundation/applications>
Please keep a record of your Application Keyword
- 2. A motivation essay** (maximum 300 words) detailing the applicant's interest in the internship and the preferred choice of the industry partner to join for an internship
 - To upload in PDF format, go to <https://andythomas.foundation/applications> and enter your Application Keyword from step 1
OR email the document in PDF format to educationfund@andythomas.foundation quoting your Application Keyword from step 1
- 3. A copy of the applicant's academic transcripts**
 - To upload in PDF format, go to <https://andythomas.foundation/applications> and enter your Application Keyword from step 1
OR email the document in PDF format to educationfund@andythomas.foundation quoting your Application Keyword from step 1

*In addition, at least **one academic or employer reference letter** quoting your Application ID should be sent directly by the referee to educationfund@andythomas.foundation*

To be considered, completed applications must be lodged before midnight SA time on the closing date set out above.

Selection process

A selection committee will review and short-list recipients. The selection committee will consist of representatives from the Foundation and the SpIRIT Consortium.

Publicity

The Foundation and the SpIRIT Consortium reserve the right to publish information about successful applicants as set out in the application documents.

More Information

If you need further information or have particular questions, please email:

educationfund@andythomas.foundation