

About the CSIRO Alumni Scholarship in Physics and Application Criteria

Overview

The CSIRO Alumni is a network of former staff who voluntarily support science in Australia and is funding scholarships to support Australia's future scientists.

In 2017 we will be awarding the CSIRO Alumni Scholarship in Physics.

In conjunction with the Laboratories Credit Union and generous donations from Alumni, the family, friends and colleagues of Drs. John Dunlop, Tony Farmer, Gerry Haddad and Don Price, we have established this scholarship to honour their memory. Our aim is for a similar scholarship to be awarded annually in their honour.

On 21 March 2013 the science and physics community lost four of their finest in a tragedy beyond imagination. Drs. John Dunlop, Tony Farmer, Gerry Haddad and Don Price were four great gentlemen, wonderful, dedicated scientists and humanitarians. All had distinguished careers at CSIRO, all influential in bringing to industry new techniques and products. In retirement, they continued to work for the organisation in an honorary capacity making major contributions in the application of advanced physics to solve significant problems in manufacturing industries. They were leaders and mentors in the physics community, inspiring those around them and they enjoyed nothing more than passing on their skills and knowledge to younger scientists. It is fitting to honour their memories through the establishment of a student scholarship based on academic achievement.

The CSIRO Alumni Scholarship in Physics aims to connect the brightest young physicists or mathematicians to a leading research centre overseas or in Australia. Research in physics and mathematics is fundamental for Australia's future. The founders of this scholarship know that early experience in leading overseas laboratories greatly benefits Australian research and the graduate.

The award

The 2017 CSIRO Alumni Scholarship in Physics will be a postgraduate travel scholarship, which will be used to fund travel costs to visit and/or conduct research in an overseas or interstate institution such as a University or research establishment of international standing in the field of proposed research.

The scholarship will be up to a minimum of \$5000.

Application process, criteria and conditions

Applications are open in October 2016 and close on the 1st January 2017.

A selection panel will assess all applications that meet the Application criteria.

The selection panel will comprise of four distinguished physicists and the Chair of the CSIRO Alumni NSW Chapter.

Expressions of interest must be submitted via an [Application Form](#).

Application criteria

The proposed research should principally be in the fields of physics or closely related topics.

The following fields will be favourably considered:

- Optics, Photonics and Lasers
- Condensed matter, Materials and Surfaces Physics
- Quantum Information, Concepts & Coherence
- Atomic and Molecular Physics
- Nuclear & Particle Physics
- Biomedical Physics
- Plasma Physics
- Acoustics, Music and Ultrasonics
- Solar, Terrestrial and Space Physics
- Astronomy & Astrophysics
- Complex systems, Computational & Mathematical Physics
- Relativity & Gravitation
- Energy, Energy Materials and Energy Systems

This scholarship is awarded based on the quality of their undergraduate degree and the alignment to Australian research

Letter of support from the host University or institute

The applicant is required to state that they are able to travel.

Eligibility of students applying

To be eligible for consideration, the applicant must be:

- An Australian citizen or Permanent Resident
- Students who have completed their Undergraduate degree and enrolled into a higher science degree at an Australian University.

Conditions of the scholarship

- The successful applicant is to use the scholarship to fund travel costs to visit and/or conduct research in a University or research establishment of international standing in the field of proposed research
- The Scholarship will be \$5000
- The scholarship travel must be commenced before December of the year awarded
- The successful applicant is expected to submit a brief written report on the outcomes of their research visit within three months of their return to Australia
- If feasible the successful applicant will attend and give a short talk at a CSIRO Alumni meeting.

Major sponsor

We thank our major sponsor, Laboratories Credit Union, for their continuing support. Visit website:

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