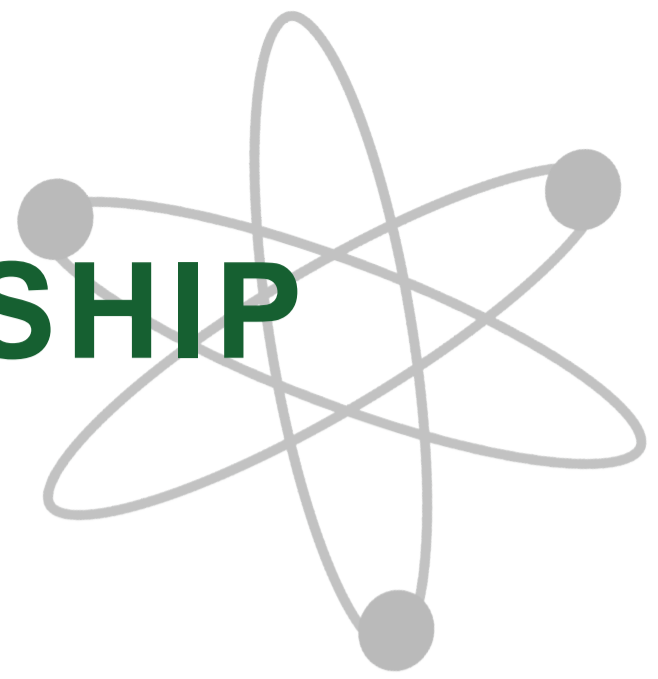


# AINSE RESIDENTIAL STUDENT SCHOLARSHIP (RSS)



## Annual Package

\$7,500 stipend per annum

Up to \$5,000 travel and accommodation allowance per annum

AINSE Limited is offering top-up Residential Postgraduate Scholarships to high quality students who are enrolled in a PhD at an AINSE Member University.

## Who should submit an expression of interest?

First year PhD students holding a RTP or equivalent peer reviewed scholarship

*AND*

Students whose PhD project topic closely aligns with any of the strategic focus areas for ANSTO's research programmes:

- The Environment
- Human Health
- Nuclear Fuel Cycle

In addition, opportunities exist for postgraduate students interested in contracted research and industrial engagement projects in the defence industry area.

Opportunities may also exist for postgraduate students interested in fusion research that aligns with ANSTO and ITER activities following the signing of the cooperation agreement.

*AND*

Students who are available to spend a significant period of time at an ANSTO facility (at Lucas heights, Camperdown and/or Clayton) for six months or more per year (can be a block or time or separate visitation).

**Please read the RSS Conditions and ANSTO Research Capabilities & Facilities Guide (available on the AINSE website) for detailed information before submitting your expression of interest.**

Please Note: Current AINSE PGRA students awarded this scholarship would relinquish the AINSE PGRA.

## Expression of Interest

Please email:

**[ainse@ainse.edu.au](mailto:ainse@ainse.edu.au)**

email title:

**RSS Verification**

contents of email:

**A one page (A4) only\*  
abstract outlining**

- The details of the research, and
- ANSTO Staff Member involved

*\* Reviewers will only read the first page of any submission*

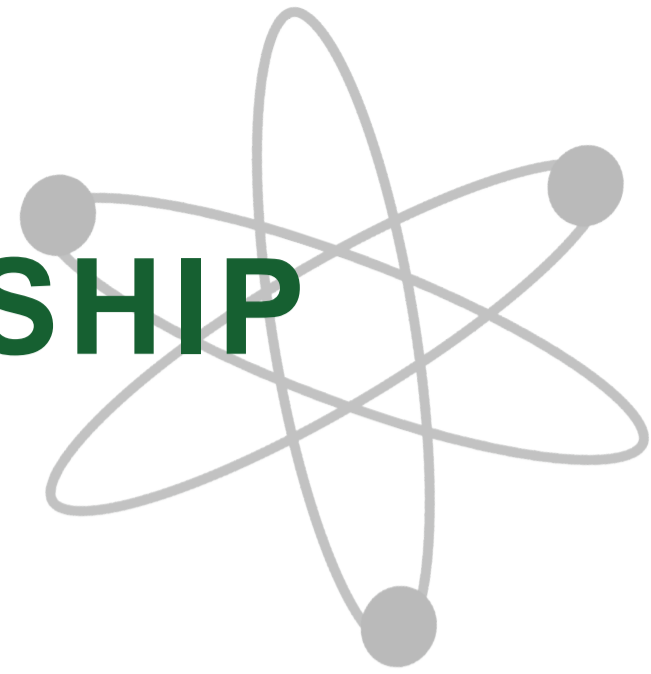
**Expressions of Interest  
Close:**

**5pm (AEST)**

**Tuesday 31 July 2018**

**Successful students will be invited to submit a more detailed online application**

# AINSE RESIDENTIAL STUDENT SCHOLARSHIP (RSS)



## Strategic PhD opportunities

Residential scholarships offered to students holding a RTP or equivalent and whose PhD project topic closely aligns with any of the strategic focus areas for ANSTO's research programmes:

### The Environment:

- The use of nuclear techniques in Environmental Change (Climate Change, Landscape processes or Human Impacts) [Info: Dr Tom Cresswell - [tom.cresswell@ansto.gov.au](mailto:tom.cresswell@ansto.gov.au)]
- The use of nuclear techniques in Sustainable Water Resources (Aquatic Ecosystems, Groundwater and Natural Variability) [Info: Dr Cath Hughes – [cath.hughes@ansto.gov.au](mailto:cath.hughes@ansto.gov.au)]
- The use of nuclear techniques in Contaminant Science (Atmospheric pollution/transport, radionuclides in the biosphere and contaminated sites) [Info: Dr Karina Meredith - [karina.meredith@ansto.gov.au](mailto:karina.meredith@ansto.gov.au)]

### Human Health:

- Impact of low to therapeutic dose radiation on biological systems relating to mitochondrial response, gut microbiome and bio-sensors [Info: Dr Ryan Middleton - [rym@ansto.gov.au](mailto:rym@ansto.gov.au)]
- Advancing nuclear technology to deliver better health: enhanced performance radiotracers, total-body PET imaging, multi-modal imaging, heavy ion/proton therapy dose quantification) [Info: Dr Keith Bam-bery – [keithb@ansto.gov.au](mailto:keithb@ansto.gov.au)]
- Nuclear and isotopic techniques to improve food quality and design to contribute to better health (food structure and function, authenticity, manipulation of food and the influence on the immune system) [Info: Dr Elliot Gilbert – [epg@ansto.gov.au](mailto:epg@ansto.gov.au); Dr Frederic Sierro – [frederis@ansto.gov.au](mailto:frederis@ansto.gov.au)]

### Nuclear Fuel Cycle:

- Nuclear fuel resources (processing of U and Th; atomistic simulation of fuel properties; fuel-cladding interaction) [Info: Dr Greg Lumpkin – [grl@ansto.gov.au](mailto:grl@ansto.gov.au)]
- Nuclear reactor systems (safety of reactor systems; behaviour of nuclear materials under extreme conditions) [Info: Dr Gordon Thorogood – [gjt@ansto.gov.au](mailto:gjt@ansto.gov.au)]
- Spent nuclear fuel management (solutions for long term storage of nuclear waste to ensure safety, security and non-proliferation) [Info: Dr Jessica Veliscek Carolan – [jvc@ansto.gov.au](mailto:jvc@ansto.gov.au)]

In addition, opportunities exist for postgraduate students interested in contracted research and industrial engagement projects in the defence industry area. These projects aim to deliver real solutions to enhance Australia's defence capability via collaborative partnerships. [Info: Dr Paul Di Pietro - [pdp@ansto.gov.au](mailto:pdp@ansto.gov.au)]

Opportunities may also exist for postgraduate students interested in fusion research that aligns with ANSTO and ITER activities following the signing of the cooperation agreement. This agreement is to join a consortium of countries that will lend expertise on the ground-breaking ITER fusion project in southern France. [Info: Dr Richard Garrett – [richard.garrett@ansto.gov.au](mailto:richard.garrett@ansto.gov.au)]