



PhD Scholarships - ARC Training Centre for Transforming Maintenance through Data Science

Status: **Closed**

Applications open: 1/07/2019

Applications close: 22/02/2020

About this scholarship

Description/Applicant information

This Industrial Transformation Training Centre (ITTC) is a unique partnership between Curtin University, The University of Western Australia (UWA), CSIRO and industry partners Alcoa, BHP and Roy Hill, as well as CORE Innovation Hub and the Minerals Research Institute of Western Australia.

The ITTC seeks to transform the maintenance management process, enabling Australian companies to lead the way maintenance is conducted, increasing both productivity and profitability. The Centre research focuses on three research themes

1. Supporting the Maintainer through the automation of the work management stages;
2. Supporting the Engineer with the next generation of data science products, improving prediction of critical equipment failure; and,
3. Supporting the Manager by optimising maintenance scheduling and execution.

Please view the appended document for further information about the three themes, the proposed research projects and the application process.

Student type

- Future Students

Faculty

- Faculty of Health Sciences
- Faculty of Humanities
- Faculty of Science & Engineering
 - Science courses
 - Engineering courses
 - Western Australian School of Mines (WASM)

Course type

- Higher Degree by Research

Citizenship

- Australian Citizen
- Australian Permanent Resident
- New Zealand Citizen
- Permanent Humanitarian Visa
- International Student

Scholarship base

- Merit Based

Value

The studentship offered in this opportunity <https://www.maintenance.org.au/category/opportunities> will consist of student stipend of ~\$30,000 AUD to study for a PhD enrolled at either Curtin University or UWA.

During the tenure, the student is expected to spend a minimum of eighteen months working with and supported by our industry partners. Whether the PhD student plans to move into Industry at the end of their PhD or pursue an academic career, this is an invaluable opportunity for the student to become known in the resource industry along with enabling a unique understanding of industry related research challenges.



Please note - another opportunity for PhD applicants to study in Australia is to be awarded funding via the 2020 Australian Government Research Training Program (RTP). If you decided to apply for the 2020 RTP scholarship and you were successful, but would like to take the opportunity of conducting research within our Centre, you may be eligible for an additional \$10,000 p.a. tax-free top-up scholarship provided by the ITTC instead of the full stipend (as this is covered through the RTP scheme).

Scholarship Details

Maximum number awarded

6

Eligible courses

Doctor of Philosophy (PhD) programs only

Eligibility criteria

Meet the standard PhD course entry requirements for either institutions. If English is not your first language, please visit the following link for details of the requirements: <https://international.curtin.edu.au/apply/english-prerequisites/>

Enrolment requirements

For further information on applying for admission please see the link: <https://futurestudents.curtin.edu.au/research/>

How to apply

Application process

Read the Themes and associated projects in <https://www.maintenance.org.au/> or the **Further Information** below.

Send an Expression of Interest (EOI), reflecting your academic background and why you are interested in pursuing a PhD in this field. Applicants should have a strong undergraduate degree and graduate/research experience in mathematics, statistics, computer science, or related disciplines within engineering. Programming experience is expected.

Include in your EOI, the theme and project you feel you are most aligned and why. The EOI should be a maximum of 500 words.

Please attach your CV/Resume and your academic transcripts with your EOI and send these files in PDF format on email to eoi@maintenance.org.au.

Students will be expected to commence by April 2020.

Please view the appended document for further information about the three themes, the proposed research projects and the application process.

Need more information?

Enquiries

For general information, contact the ITTC Manager: Natasha Bartlett

Email: Natasha.m.bartlett@curtin.edu.au

Further information

For information on theme 1 projects, please contact Prof Melinda Hodkiewicz

Email: melinda.hodkiewicz@curtin.edu.au

For information on theme 2 projects, please contact Prof Michael Small

Email: michael.small@curtin.edu.au

For information on theme 3 projects, please contact Prof Ryan Loxton

Email: r.loxton@curtin.edu.au

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