2022 PhD Scholarship at Curtin Corrosion Centre – WASM: Minerals Energy and Chemical Engineering

Status: **Closed**
Applications open: 25/01/2022
Applications close: 25/03/2022

About this scholarship

Description/Applicant information

The PhD candidates will work in the world-renowned Curtin Corrosion Centre as a part of the Chevron- Woodside industry partnership in materials and corrosion sciences. The successful candidate will investigate the corrosion behavior of high strength low alloy steels and/or additive manufactured next generation materials which are interesting to the oil and gas industry. State of art characterization techniques will be used to detect the microstructures, mechanisms that affect the corrosion behavior, and the mechanical behavior of materials in various corrosive environments. The candidate will also give attention to microstructure heterogeneities resulting from various manufacturing routes and joining processes, such as welding.

The candidate is expected to have a strong background in materials science and engineering. Background in mechanical testing and corrosion is also advantages for this opened position.

Student type

- Future Students

Faculty

- Faculty of Science & Engineering
    - Western Australian School of Mines (WASM)

Course type

- Higher Degree by Research

Citizenship

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

Scholarship base

- Merit Based

Value

The successful candidate will receive a stipend of $28,854 per annum pro rata (tax free), it will be indexed annually. This amount might be topped up to $35,000 per year by the Curtin Corrosion Centre's Director based on the qualifications of the applicant.

The duration of the award shall be for three years with a possible extension of up to six months (maximum), assessed on a case-by-case basis.

In addition, this scholarship will include a tuition fee waiver for a successful international candidate.

Scholarship Details

Maximum number awarded

1

Eligible courses

The successful candidate must enrol into a Doctor of Philosophy (PhD) program (full-time study mode).

Eligibility criteria

The successful candidate must meet the minimum academic entry requirement for admission into the Doctor of Philosophy program https://research.curtin.edu.au/postgraduate/ including the English proficiency levels set by Curtin University.

Candidates should have:

- Master degree or bachelor degree with first or upper second class honours in the field of Materials Science and Engineering, or in equivalent discipline.
- Language requirements (IELTS, Overall 6.5, the minimum for each band for Reading, Listening, Speaking and Writing of 6.0 or TOEFL, Overall 79, Reading, 13, Listening 13, Speaking 18, Writing 21).

Students with below skills are encouraged to apply:

- Materials sciences, Physical metallurgy, alloy manufacturing, non-destructive methods, mechanical testing, and corrosion.
- Previous research experience and publications (desirable).

Enrolment requirements

The successful candidate must enrol full-time into the PhD program at Curtin University and meet their milestone requirements.

Changes to Enrolment

- Must remain enrolled in initial course and major of study unless approved by Curtin International
- Must maintain a full-time enrolment each semester or study period
- Cannot breach the scholarship conditions outlined in their scholarship offer document
- Cannot take a leave of absence or withdraw from their units or course of study
- Cannot be terminated from studies

How to apply

Application process

Please send your expression of interest with your CV, publication list, and English score to Dr. Thaneshan Sapanathan, e-mail Thaneshan.sapanathan@curtin.edu.au

Need more information?

Enquiries

Name: Dr. Thaneshan Sapanathan, e-mail Thaneshan.sapanathan@curtin.edu.au

Web: www.curtin-corrosion-centre.com