RTP2021 R2 Earth and Planetary Remote Sensing

Status: Open
Applications open: 15/07/2020
Applications close: 1/09/2020

About this scholarship

Description/Applicant information
The exploration of Mars has been practically continuous since the 1970s when the Viking missions landed and orbited the planet sending back amazing images of this other world. The highest resolution global image dataset currently available for Mars is 5m/pixel. Higher resolution on a global scale is difficult due to transmission rates from Mars to Earth. Future missions are exploring the use of drones to explore the Martian surface. An area of interest for the Mars Research Group at Curtin University is the development and testing of drone spectrometers. The ideal analogue area for this testing is Antarctica.

The aim of this project is to test the use of a drone-flown spectrometer at near Mars environmental conditions and calibrate a library of spectra using Antarctica as groundtruth.

Student type
- Future Students

Faculty
- Faculty of Science & Engineering
  - Science courses

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
Total value of the annual scholarships (stipend and fees) is approx. $60,000 - $70,000 p.a.
Curtin PhD Stipends are valued at $28,092 p.a. for up to a maximum of 3.5 years.
Successful applicants will receive a 100% Fee offset.

Scholarship Details

Maximum number awarded
1

Eligible courses
All applicable HDR courses

Eligibility criteria
- English language IELTS level of: 6.0 for each band (Writing, Speaking, Reading and Listening) and overall band of 6.5
- Background in any of these areas: Physics, Computing Science, Geophysics, Astronomy
- Demonstrated experience in research- this may be in the form of an extensive research project completed as a part of an
undergraduate degree, or a research master’s degree

Enrolment requirements
Eligible to enrol in a Higher Degree by Research Course at Curtin University by March 2021

How to apply

Application process
To apply for this project opportunity applicants must submit an email to the contact Project lead listed below. The email must include their current curriculum vitae, a summary of their research skills and experience and the reason they are interested in this specific project.

The Project Lead will select one preferred applicant for this project and complete a Primary reference on their behalf.

After confirmation from the Project Lead that they will receive a primary reference for this project the applicant must submit an eApplication for admission into the applicable HDR course no later than 1st September 2020.

All applicants must send an external referee template to their chosen external reference.

All references are confidential and must be submitted by the referee directly to HDRSCH-applications@curtin.edu.au no later than 1st September 2020.

Scholarship applications submitted without a primary reference or a completed application for admission will be considered incomplete.

For further information on the application process or for more RTP2021 Round 2 scholarship project opportunities visit: https://scholarships.curtin.edu.au/hdr-scholarships-funding/rtp-policy/

Need more information?

Enquiries
To apply for this project opportunity email your current curriculum vitae, a summary of their research skills and experience and the reason you are interested in this specific project to:

Name: Dr. Gretchen Benedix
Email: G.Benedix@curtin.edu.au
Contact Number: +618 9266 1150