

Project: An effective decision support system for soil health assessment & monitoring by integrating IoT technology & drone imaging

Location: Victorian campus of Federation University Australia, at Mt Helen/Gippsland

Surname

Given name

Address

Telephone

Email

Are you a current Federation University HDR candidate?

Yes

Student ID:

No

Complete the HDR Candidature application in addition to the Scholarship application

Successful applicants will be expected to commence in July 2021. However, the commencement date may be negotiated by the successful candidate.

For questions related to the research project, please contact A/Prof Shyh Wei Teng (shyh.wei.teng@federation.edu.au)

Conditions

Scholarships are full-time, with no possibility of being undertaken part-time during candidature. Students will be expected to commit to forty hours per week for the period of their study. Scholarships are for a period of three years. Extension to scholarships will not be granted.

View the general conditions for [Federation University HDR Scholarships on the Graduate Research School website](#). Where these conditions differ to those on this form, the conditions outlined for this specific scholarship take precedence.

Eligibility to undertake PhD

Scholarship applicants must also be eligible to undertake a PhD. Verify you can meet [eligibility requirements](#) outlined on the Graduate Research School website. If you are applying for '[Honours equivalence](#),' please ensure that you provide detailed information to support your case.

Referees

Nominate two referees who can comment on your academic and research experience and capacity, particularly in relation to the research project area. Referee reports must be returned to Graduate Research School by DATE for your application to be considered. Any applicant without referee report forms will not be forwarded for consideration.

All prospective candidates are required to provide a 1000-word statement covering the following areas:

- Discuss your motivations for applying for this PhD scholarship, and your intended outcomes (both for yourself (personally and professionally), and for the sector)
- Discuss some of the key policy imperatives/directions, and existing research literature, which impact this topic area
- Discuss the opportunities and constraints of the proposed methodology (or, where a methodology has not been explicitly identified, please identify a relevant methodology and discuss the opportunities and constraints)
- Discuss potential challenges and how you might overcome them

- Please note, you are not required to provide the 250-word project summary requested on the HDR Application for Enrolment Form – however you must note that you are applying for Scholarship.

Please list all documents provided, including supporting information:

	Required Documents		Other Supporting Documents
	<u>HDR Application for Enrolment Form</u>		List of published works
	1000-word statement		Professional memberships
	Qualifications		
	Transcripts		
	Scholarship Application (this form)		

For questions regarding the application process for scholarships and candidature, please contact the Graduate Research School at:

research.degrees@federation.edu.au or via telephone on (03) 5327 9508.

Applications for the scholarship close on Friday 10 December 2020 and can be submitted via mail, email or in person

For general scholarship and candidature information, please contact:

Graduate Research School,
 Federation University Australia,
 Gippsland Campus
 Northways Rd
 Churchill VIC 3842
 Telephone: 03 5327 9508
 Email: research.degrees@federation.edu.au

Soil CRC PhD Scholarship plus SEITPS Henry Sutton PhD Accommodation scholarship

Effective soil health assessment and monitoring can increase crop production on agricultural lands. With recent advancement in technology, different modalities of technology have started to be exploited for these purposes. The main objectives of this PhD project are (1) to conduct an in-depth study on how effective soil health assessment and monitoring can be achieved by using state-of-art IoT platforms, and (2) to design and develop additional features in such platforms to integrate drone imaging data.

Industry Partner(s): Wimmera Catchment Management Authority

Academic Supervisor:

Principal Supervisor: Associate Professor Shyh Wei Teng

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Associate Supervisor and Co-supervisor:

Professors Manzur Murshed and Guojun Lu (Associate Supervisors)

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Professor Manoranjan Paul (Co-supervisor)

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Dave Brennan (Co-supervisor/Industry Supervisor)

Wimmera Catchment Management Authority, 24 Darlot Street, Horsham Victoria 3400, Australia.

E-mail: BrennanD@wcma.vic.gov.au