



# PhD Scholarships

## Centre for Occupational, Public and Environmental Research in Safety & Health (COPERSH)

**COPERSH is undertaking a number of safety & health research projects in the Occupational, Public & Environmental health disciplines**

The Centre has available a number of PhD scholarships focused on the following projects:

1. Centralised management and real-time interpretation of emissions based maintenance data for diesel fleets.
2. Development and validation of a dust control index to minimise worker exposure to dust.
3. 3D facial modelling and recognition for automatic selection of worker respiratory protective equipment.
4. A near real-time sensing solution for Respirable Crystalline Silica in underground crushers.
5. Innovative control solutions for Respirable Crystalline Silica to protect workers against exposure to silica.

**The PhD scholarship includes:**

- i) A living stipend of AUD 28,092 a year for 3.5 years (tax free).
- ii) A tuition fee waiver worth AUD 35,280 – AUD 39,312 a year.

### Selection criteria

Candidates must meet general and project specific criteria as outlined below.

### General criteria

1. Open to Australian and International applicants;
2. Good communication, interpersonal, and team-work skills;
3. Demonstrated capacity to carry out independent research and have adequate research training and ability to pursue the proposed course of study;
4. Ability to start as soon as possible.

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**FACULTY OF SOCIAL SCIENCES**  
**FACULTY OF ENGINEERING AND INFORMATION SCIENCES**  
University of Wollongong, Australia  
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## Project specific criteria

### Project 1 (2 PhD Scholarships)

- An Honours degree or a Masters degree in computer engineering or occupational/industrial hygiene.

### Project 2 (1 PhD Scholarships)

- An Honours degree or a Masters degree in mine engineering and/or occupational/industrial hygiene.

### Project 3 (1 PhD Scholarships)

- An Honours degree or a Masters degree in computer engineering, electrical engineering, computer science, or related fields.

### Project 4 (1 PhD Scholarships)

- An Honours degree or a Masters degree in mechanical engineering and/or occupational/industrial hygiene.

### Project 5 (1 PhD Scholarships)

- An Honours degree or a Masters degree in computer science/engineering with experience working in construction.

Interested candidates should send their Curriculum Vitae, academic transcripts, two referee letters, and a one-page overview of their research experience, as a single PDF file, to Professor Brian Davies AM at [bdavies@uow.edu.au](mailto:bdavies@uow.edu.au).

**Closing Date:** 21 February 2020, or until suitable candidates are found.

Further information can be obtained by contacting:

Professor Brian Davies AM  
Director of COPERSH  
Email: [bdavies@uow.edu.au](mailto:bdavies@uow.edu.au)  
Phone: +61 (2) 4221 5034

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