



PhD Scholarship -- Machine Learning -- Object Detection in 3D X-ray Images

[Home](#) > [Scholarships](#) > PhD Scholarship -- Machine Learning -- Object Detection in 3D X-ray Images

Overview

Title	PhD Scholarship -- Machine Learning -- Object Detection in 3D X-ray Images
College	College of Science and Engineering
Opening date	
Closing date	
Scholarship value	\$35,000 per annum
Scholarship duration	3 years (6 month extension possible)
Payment term	
Level of Study	Higher Degrees Research

Description ↓

Benefits ↓

Eligibility ↓

Apply now ↓

****Please note** the closing date is a guide only. This opportunity may close earlier if the position is filled.

Description

A full-time PhD scholarship is available in the area of Artificial Intelligence / Machine Learning in Computer Vision for students pursuing a PhD study. The project will develop machine learning and deep learning approaches in processing, segmenting, identifying, and analyzing 2D and 3D x-ray images for automated baggage inspection at airports. The scholarship includes an industry internship of at least 60 full-time equivalent days.

Candidates with a related background in Computer vision, Image processing and image analysis, Computer Science, ICT and Engineering, Physics, Mathematics and Statistics are invited to apply. Demonstrated working knowledge of Computer Vision and Machine Learning in images is essential. Good programming skills in python is essential. Knowledge of CT scan is beneficial. Ideally, the successful candidate should have journal publications and/or conference presentation experience.

The successful candidate will work under the supervision of Dr Gobert Lee <https://www.flinders.edu.au/people/gobert.lee> and Dr Mariusz Bajger and will collaborate with academic and industrial collaborators. We are looking for a highly self-motivated student. The successful candidate must be able to work independently as well as a member of a team. The successful candidate must demonstrate excellent oral and written communication skills as well as interpersonal skills towards staff, students, and collaborators.

Benefits

The scholarship will be awarded for 3 years and includes:

- A stipend valued at AUD 35,000 per annum (indexed annually)
- Possibility of a 6 month extension
- Industry internship of at least 60 full-time equivalent days

Eligibility

Applicants must:

- Australian and International students are eligible
- The successful candidate must meet Flinders University [PhD admission requirements](#)

Application Information

Interested candidates **MUST** first send expression of interest (**EOI**) to Dr Gobert Lee gobert.lee@flinders.edu.au. Please state "EOI PhD Scholarship" in the subject of the email and please include

- (1) a cover letter outlining your research interests, your motivation for pursuing a PhD, and your suitability for this project;
- (2) a curriculum vitae (including education, work/research experience and publications);
- (3) academic transcripts; and
- (4) contact details of two academic/industry referees.

Please note that the closing date is a guide only. This opportunity may close earlier if the position is filled. **EOI will be accepted and reviewed on a rolling basis. Shortlisted candidates will be invited to submit a full application.**

Dr Gobert Lee




Sturt Rd, Bedford Park
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