



GRADUATE INDUSTRY PLACEMENT SCHOLARSHIP

The Program

The **Postgraduate Industry Placement** program is coordinated through the Community Engagement Office. It offers a structured workplace experience for graduate students. Students are placed with an industry under a collaborative sponsored agreement for 12 months to undertake and complete a project(s) as directed by the industry supervisor while continuing to study for an appropriate University of Adelaide Masters Degree.

Benefits for Students

- Stipend scholarship payments for project activities of up to **\$30,000**.
- Links with a company to gain valuable industry experience.
- Enhancement of skills through relevant real-world project.
- Development of links with industries/organisations for future employment

Collaborating Industry/Organisation

The Defence Science and Technology Organisation (DSTO) is part of Australia's Department of Defence. DSTO is the Australian Government's lead agency charged with applying science and technology to protect and defend Australia and its national interests.

Project Title – G04/10

Human Systems Integration Analysis and Design for Soldier Systems and Platforms

Objective of Project

Land Operations Division (LOD) is developing a capability that will allow Human Systems Integration (HSI) and Human Factors (HF) analysis for future soldier systems and platforms. The student will be working as part of an integrated multi-disciplinary team of scientists and practitioners examining individual and collective soldier integration issues with ever increasing equipment and platform complexity. This will in turn advise the design and user constraints of platforms that future soldiers may need to use.

This project will involve the student learning to use a suite of leading edge 3D spatial HF measurement instruments and techniques and devising their own data collection and analysis methodologies for a variety of scenarios.

Project Specification and Timetable

It is expected that the project will involve the following tasks over a 12 month period:

- Review of current best practice in human factors engineering methods;
- Learning leading edge instrumentation data collection and analysis techniques;
- Devising, planning and conducting experimental trials;
- Analysing and reporting of results;
- Providing advice to Army on HSI issues related to soldier systems and platforms.





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Personal Requirements

Desirable characteristics to undertake this project include:

- sound knowledge of relevant research and analysis techniques;
- demonstrated problem-solving ability;
- the ability to be adaptable and flexible;
- the ability to work independently;
- the ability to work as part of a multi-disciplinary team; and
- well developed written and oral communication and interpersonal skills;

Academic Qualifications

Graduates would be expected to have a sound background in one or more of the areas of human factors/ergonomics, mechanical engineering, psychology, industrial design, physiology and related disciplines.

Other Requirements

Ideally the student should have:

- A willingness to potentially travel interstate (DSTO funded) to talk to academics, industry and Defence; and
- Must be an Australian citizen, be prepared to undergo a police check and meet any security requirements

Division and Contact Person

Armando Vozzo
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Applications

Applications to be submitted by email to <mailto:tania.johnson@adelaide.edu.au>

Please include project title, resume and academic transcripts.