**The Program**

The *Graduate Industry Placement* program is coordinated through the University Engagement Branch. 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 $33,000
- Links with a company to gain valuable industry experience
- Enhancement of skills through relevant real-world project
- Development of links with a company.

**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 No and Project Title**

*Project Number: GIP LOD 10 – Vehicle Health and Usage Monitoring Systems (HUMS) and Condition Based Maintenance (CBM)*

**Project Objective**

This project involves developing cost benefit models for measuring the value of vehicle health and usage systems / condition based maintenance in Land equipment sustainment.

1. Gain an understanding of the current practices of Land materiel maintenance and sustainment.
2. Understand the concepts of HUMS and CBM generally and specifically as they may apply to Land fleets.
3. Apply the concepts to a selected Land fleet.
4. Identify potential benefits and costs in terms of maintenance, but also sustainment more generally.
5. Design and conduct experiments/trials to collect data.
6. Establish cost/benefit models and conduct cost/benefit analysis using the collected data.
7. Reporting of results.

**Academic Qualifications**

The graduate should have a Bachelor degree in *Computer Science, Engineering and/or Applied Mathematics* (by end of 2013).

**Applications**

- Applications to be submitted **no later than 9th August, 2013** to tania.johnson@adelaide.edu.au. Please include project title, resume and academic transcripts. For further information on the project please contact Tania Johnson on 83134467 or by email.

The essential criteria are:

- The graduate needs to be an Australian Citizen and will require an appropriate security clearance.
- To commence in January / February 2014.