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 01A - Architecture Networking Modelling

Project Objective
Explore modelling these using either OPNet Network Simulation Packages looking at different configurations parameters, equipment and technologies (Data Links, SOA etc.) possible bottlenecks, propagation delays / bottlenecks due to weather, information overload, bandwidth, geography, data types i.e. streaming images etc. The Architecture will involve data containing surveillance, text, RF communications, tactical data, images, streaming video, radar track data etc.

Tasks / Duties Required
Using System Architect to display the information Exchange Requirements IERs showing, systems, & functional areas current and future. In the latter portion of the year there may be experiments looking at Test and Evaluation, interoperability and networking issues out in field trials or exercises using various military RF communication equipment and battlefield management systems. Some of this may be initially modelled using OPNet.

Academic Qualifications
The graduate should have completed a Bachelor degree in Electrical/Electronic Engineering, Communications (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.