



Australian Government
Department of Defence
Defence Science and
Technology Organisation



UNSW
AUSTRALIA

Defence Science and Technology Organisation and UNSW Innovations Student Innovation Prize

Symposium Outline

The Defence Science and Technology Organisation in partnership with UNSW Innovations will host the 2015 Emerging and Disruptive Technologies Assessment Symposium, from the 15-17 July 2015 at the UNSW in Sydney, Australia. This symposium will focus on Trusted Autonomous Systems (TAS) to support humanitarian assistance and disaster relief (HADR). The objective of the symposium is to understand and shape the long term vision for TAS to influence national dialogue and guide longer term investments in national security and Defence.

What is innovation?

Innovation introduces a new idea, device or process. Innovation can also be viewed as the application of better solutions that meet new requirements, unarticulated needs, or existing market needs. This is accomplished through more effective products, processes, services, technologies, or ideas that are readily available to markets, governments and society.

Who can apply?

Individual students or student research teams can apply. Each applicant must be enrolled as a BSc, an MSc or PhD student at an Australian University; proof of enrolment will be sought at registration.

What is required?

We are looking for a clear and concise description of an innovation, which may still be at the idea stage or already an ongoing development in Trusted Autonomous Systems. The areas of interest are the following:

Platforms & Systems

- Vehicle Developments
- Sensors, Bio-inspired Platforms & Technologies

Information & Knowledge

- Data Processing & Fusion
- Machine Reasoning & Intelligence

You are required to provide a statement of your innovation idea/project and you must emphasize the innovative quality of the idea/concept and convincingly describe its feasibility, practical use and defence relevance.

Length of proposal

The proposal should be no longer than 1 A4 page with the following format

- Written in Plain English
- Margins no less than 2.54 cm each
- Font: 12 point Calibri or equivalent
- Single spaced paragraphs

Proposal should include

- the idea/concept
- its defence relevance
- its technical approach & feasibility.

Award Criteria

The following criteria apply for awarding the prize:

- clearness of the idea/concept
- its innovative quality
- its defence relevance
- its practical feasibility

Entry Submission and Deadline

All entries must be submitted and receipted by 5pm on the 15th June, 2015. Entries are to be e-mailed to **EDTAS@DSTO.defence.gov.au**

What is the Prize?

Five finalists will be selected from the entries. Where a team of students have entered, only 1 person will be funded to attend and only 1 cash prize will be awarded for the team to distribute amongst themselves.

Each finalist will be required to present a 5 min TED-like talk at the Student Innovation Prize session to be held at the Scientia Building, University of New South Wales, Sydney, Australia, on the 15th July, 2015.

The judge's decision will be final and no appeal process is available.

The prizes will include:

- Return economy domestic flight from the closest airport to your home address to Sydney Airport (Interstate finalists)
- 2 nights accommodation at a Sydney hotel (Interstate finalists)
- Registration for the 3-day symposium including morning tea, lunch and afternoon tea each day
- Entry into the Symposium dinner to be held on the 16th July, 2015
- \$1000 cash prize for the winner ; \$500 cash prize for the final four finalists

For more information, contact EDTAS@DSTO.defence.gov.au