



Australian Government
Department of Defence
Science and Technology



DEFENCE CYBER RESEARCH NETWORKING FORUM

28 Nov 2017 | National Wine Centre, Adelaide, SA

Opportunity to submit an Expression of Interest by 3 Nov 2017



Join colleagues in exploring cyber research partnering and collaboration.

Defence is broadening its partnerships within the Australian innovation community, particularly in the areas of Next Generation Technologies. Cyber Security is a key Next Generation Technology, and one which has broader national importance. DST Group is partnering with Data61 to progress its cyber research and is presently working with more than ten universities with Collaborative Research Projects in the cyber domain.



The national cyber innovation community continues to rapidly evolve, and Defence will be better positioned to leverage that community as the connections between participants are strengthened. You are invited to join colleagues from academia and industry, DST, Data61 and the ACSGN(Australian Cyber Security Growth Network) for a networking workshop, designed to grow and strengthen connections within the cyber innovation community, in particular, those with potential relevance to Defence. Participants such as yourself will each provide 5 minute 'pitches' on their research and development capabilities that might have Defence application, and there will be opportunity to workshop those capability areas where synergies emerge.



This one-day event will be held at the National Wine Centre, Adelaide, South Australia, on Tuesday 28 Nov 2017.

Participation is by Expression of Interest, providing no more than 1 paragraph detailing capabilities and/or interests in the following broad research themes. Please send expressions of interest to CEWDDirectorS&TProgr@dst.defence.gov.au by **3 Nov 2017**

**Cyber Influence
and Data Analytics**
- processing
and analysis
of big data;
social influence;
behavioural
analysis

Current research
examples include
'mitigation
of human
vulnerabilities',
'adversarial
machine learning'
and 'cyber
situational
awareness'

**Sensing to
Effects - sensor
to effector
concepts,
techniques and
technologies**

Current research
projects include
'high speed
machine learning
using FPGAs' and
'exploitation of
channel state
information'

**Autonomous
Systems -
automated/
autonomous
data processing,
analysis and
decision making**

Current research
projects include
'automated
planning for cyber
mission assurance'
and 'hybrid control
and learning for
autonomous cyber
operations'

**System Design
for Resilience**
- design of
systems assuming
untrustworthiness

Current research
projects include
'deep learning for
code vulnerability
discovery',
'software-defined
networking' and
'Trustworthy
microkernel
architectures'