



Day 0
Monday 28th May 2018

	ELECTRONIC WARFARE TUTORIALS Adelaide Convention Centre	CLASSIFIED DAY DSTG Edinburgh <i>*security clearance required</i>
7:00		Transfers to the Classified Day depart from the InterContinental Adelaide (7am)
8:00 - 9:00	Registration Adelaide Convention Centre	Registration and Clearances DSTG Edinburgh
9:00 - 12:00	Non-Communications EW Dr Craig Benson UNSW ADFA	Classified Day Sessions
13:00 - 16:00	Communications EW A/Proff Mike Ryan UNSW ADFA	Classified Day Sessions
16:30		Transfers depart from DSTG Edinburgh
17:30 – 19:00	AOC Welcome Reception <i>Exhibition Hall N, Adelaide Convention Centre</i>	



Day One
Tuesday 29th May 2018

8:00 - 9:00	Registration
9:00	Mr Jurgen Opfer , <i>AOC Australian Chapter President</i>
9:00 - 9:05	Senator the Honourable Marise Payne , <i>Minister of Defence (via video)</i>
9:05 - 9:20	Defence SA
9:20 - 9:30	Mr Muddy Watters , <i>President Elect AOC Global Board of Directors</i>
9:30 - 9:50	AIRCMDRE Joe Iervasi , <i>Director Air Warfare Centre</i>
9:50 - 10:10	LTGEN Dan Darnell (rtd) , <i>Raytheon</i>
10:10 - 10:40	Morning Tea in Exhibition Hall
10:40 - 11:00	GPCAPT Tim Churchill , <i>Director Growler Transition Team</i>
11:00 - 11:20	CAPT Stephen Dryden , <i>Director General Naval Information Warfare</i>
11:20 - 11:40	BRIG Susan Coyle , <i>Commander 6 Brigade</i>
11:40 - 12:00	Mr Ivan Zlabur , <i>First Assistant Secretary Joint Systems</i>
12:00 - 13:00	Lunch in Exhibition Hall
13:00 - 13:20	BRIG Stephen Beaumont , <i>Director General Information Warfare, Joint Capabilities Group</i>
13:20 - 13:40	Mr Michael Shoebridge , <i>Australian Strategic Policy Institute</i>
13:40 - 14:00	Adjunct Professor Brett Biddington , <i>Security Research Institute, Edith Cowan University</i>
14:00 - 14:20	Dr Dale Lambert , <i>Chief of the Cyber and Electronic Warfare Division</i>
14:20 - 14:50	Afternoon Tea in Exhibition Hall
14:50 - 15:10	GPCAPT Guy Adams , <i>Project Director Support Systems Joint Strike Fighter</i>
15:10 - 15:30	Mr Glenn Odlum , <i>Defence Spectrum Office</i>
15:30 - 15:50	Mr Bill Lawrence , <i>Director Land Self Protection System Project Office</i>
15:50 - 16:10	WGCDR Paul Hay , <i>Deputy Director ISR Transition</i>
	Day 1 Close
19:00	AOC Gala Dinner <i>Panorama Ballroom, Adelaide Convention Centre</i>



Day Two
Wednesday 30th May 2018

8:00 - 9:00 Registration			
9:00 - 9:05 Welcome to Day 2			
9:05 - 9:35 Impact of New and Emerging Technologies in Electronic Warfare Dr Robert Andrews , EWTE Consultants Ltd, AOC			
Concurrent Sessions			
9:45 - 10:45	EW BATTLE MANAGEMENT	INTELLIGENCE MISSION DATA	CYBER
	<p>A Case Study In Real-Time T&E Situational Awareness Robin Jackman</p> <p>Cognitive Electromagnetic Battle Management Mr Michael Knight <i>Raytheon</i></p> <p>Electromagnetic Maneuver Warfare and Broadband Solutions Dr Bo Marr <i>Raytheon</i></p>	<p>IMD Challenges from a Reprogrammer's Perspective Mr Allan Dundas <i>DEWC</i></p> <p>Developing RF Vulnerability Awareness Tools for the ADF Dr Keith Mason <i>Defence Science & Technology Group</i></p> <p>Evolution of Mission Data Mr Kiril Uzunov <i>Defence Science and Technology Group</i></p>	<p>SydNet: A Linked Data Quality Assessment Framework for Network Data Mr Dean Philp <i>Defence Science Technology Group</i></p> <p>Unveiling Video Streaming Content From Encrypted WiFi Traffic Dr. Darren Webb <i>Defence Science Technology Group</i></p>
10:45 - 11:30 Morning Tea in Exhibition Hall			
11:30 - 12:00 Cross Domain Secure Collaboration Dr Steve Gottwals , Adobe Systems			
12:00 - 12:30 DST Group's Future EW Strategic Research Initiative Mr Alasdair Mcinnes , DSTG Group, Cyber and EW Division			
12:30 - 13:30 Lunch in Exhibition Hall			

Concurrent Sessions

13:30 – 14:30

EW FUTURE TRENDS

DIRECTION FINDING

The Australian EW Enterprise – Future Workforce Requirements

Dr Anthony Szabo

Defence Science & Technology Group

Chasing the Challenges of Radar Design & Test

Mr Yousi Ng

National Instruments

Multichannel Phase-Coherent Microwave Measurements: 5 Things to Consider

Mr Yousi Ng

National Instruments

Antenna Simulation for EW Applications

Reuben Shar

Thales

A Digital Beamforming Array Proof-of-Concept for Situational Awareness Algorithms

David Smith

CSIRO Data61

A Novel Cross-layer Approach to Antenna Beam-Steering for Wireless Cyber-Situational Awareness

David Smith

CSIRO Data61

14:30 – 15:00

Afternoon Tea in Exhibition Hall

Concurrent Sessions

15:00 – 16:00

EW TECHNOLOGY

CYBER - SITUATIONAL AWARENESS

An Approach to Future Technology Assessment for EW

Dr Anthony Szabo

Defence Science & Technology Group

A Heuristic Connected Components Algorithm and FPGA Implementation for Radar Target Recognition

Mr Peter Cassidy

Simbiant Pty Ltd

Designing a Generic, Software-Defined Multimode Radar Simulator For FPGAs Using Simulink HDL Coder and SpeedGoat Real-Time Hardware

Mr Simon Reynolds

Simbiant Pty. Ltd

Wireless Cyber-Situational Awareness through Deep Learning: Traffic-Identification from the Physical Layer

David Smith

CSIRO Data61

Summarising network information for cyber situational awareness via cyber-knowledge integration

Dr Leslie Frank Sikos

University of South Australia

Cyber Situational Awareness for Communication Networks

Mr Dean Philp

Defence Science Technology Group

16:00 -16:15

Conference Close

Mr Jurgen Opfer

President Australian Chapter of the AOC

16:15

Day 2 Close