



**Day 0**  
**Monday 28<sup>th</sup> May 2018**

	<b>ELECTRONIC WARFARE TUTORIALS</b> <b>Adelaide Convention Centre</b> City Room 1	<b>CLASSIFIED DAY</b> <b>RAAF Edinburgh</b> *security clearance required
7:00		Transfers to the Classified Day depart from the <b>InterContinental Adelaide</b> (7am)
8:00 - 9:00	Registration Adelaide Convention Centre	Registration and Clearances RAAF Edinburgh
9:00 - 12:00	Non-Communications EW <b>Dr Craig Benson</b> UNSW ADFA	Classified Day Sessions
13:00 - 16:00	Communications EW <b>A/Proff Mike Ryan</b> UNSW ADFA	Classified Day Sessions
16:30		Transfers depart from RAAF Edinburgh
17:30 - 19:00	<b>AOC Welcome Reception</b> <i>Exhibition Hall N,            Adelaide Convention Centre</i>	



## Day One Tuesday 29<sup>th</sup> May 2018

8:00 - 9:00	Registration
9:00	<b>Mr Jurgen Opfer</b> , <i>AOC Australian Chapter President</i>
9:00 - 9:20	<b>Conference Opening, South Australian Government</b> <b>Richard Price</b> , <i>Chief Executive of Defence SA</i>
9:20 - 9:30	<b>Mr Muddy Watters</b> , <i>President Elect AOC Global Board of Directors</i>
9:30 - 9:50	<b>AIRCMDRE Joe Iervasi</b> , <i>Director Air Warfare Centre</i>
9:50 - 10:10	<b>LTGEN Dan Darnell (rtd)</b> , <i>Raytheon</i>
10:10 - 10:40	Morning Tea in Exhibition Hall N
10:40 - 11:00	<b>GPCAPT Tim Churchill</b> , <i>Director Growler Transition Team</i>
11:00 - 11:20	<b>CAPT Stephen Dryden</b> , <i>Director General Naval Information Warfare</i>
11:20 - 11:40	<b>BRIG Susan Coyle</b> , <i>Commander 6 Brigade</i>
11:40 - 12:00	<b>Mr David Blacklock</b> <i>Director ISREW Tech Centre, Intelligence, Surveillance, Reconnaissance and Electronic Warfare Branch</i>
12:00 - 12:05	<b>Reg Carruthers</b> , <i>Defence SA as Director, Aerospace (Sponsor Presentation)</i>
12:00 - 13:00	Lunch in Exhibition Hall N – <i>Sponsored by Defence SA</i>
13:00 - 13:20	<b>BRIG Stephen Beaumont</b> , <i>Director General Information Warfare, Joint Capabilities Group</i>
13:20 - 13:40	<b>Mr Michael Shoebridge</b> , <i>Australian Strategic Policy Institute</i>
13:40 - 14:00	<b>Adjunct Professor Brett Biddington</b> , <i>Security Research Institute, Edith Cowan University</i>
14:00 - 14:20	<b>GPCAPT Carl Newman</b> , <i>Director of Jericho</i>
14:20 - 14:50	Afternoon Tea in Exhibition Hall N
14:50 - 15:10	<b>Mr Glenn Odlum</b> , <i>Defence Spectrum Office</i>
15:10 - 15:30	<b>GPCAPT Guy Adams</b> , <i>Project Director Support Systems Joint Strike Fighter</i>
15:30 - 15:50	<b>Mr Bill Lawrence</b> , <i>Director Land Self Protection System Project Office</i>
15:50 - 16:10	<b>Dr Dale Lambert</b> , <i>Chief of the Cyber and Electronic Warfare Division</i>
	Day 1 Close
19:00	<b>AOC Gala Dinner</b> <i>Panorama Ballroom, Adelaide Convention Centre</i>



**Day Two**  
**Wednesday 30<sup>th</sup> May 2018**

<b>8:00 - 9:00 Registration</b>			
9:00 - 9:05 Hall M Welcome to Day 2			
9:05 - 9:35 Hall M Impact of New and Emerging Technologies in Electronic Warfare <b>Dr Robert Andrews</b> , EWTE Consultants Ltd, AOC			
Concurrent Sessions			
9:45 - 10:45	<b>EW BATTLE MANAGEMENT</b>	<b>INTELLIGENCE MISSION DATA</b>	<b>CYBER</b>
Location	City Room 1	City Room 2	City Room 3
	<p>A Case Study In Real-Time T&amp;E Situational Awareness <b>Robin Jackman</b></p> <p>Cognitive Electromagnetic Battle Management <b>Mr Michael Knight</b> <i>Raytheon</i></p> <p>Electromagnetic Maneuver Warfare and Broadband Solutions <b>Dr Bo Marr</b> <i>Raytheon</i></p>	<p>IMD Challenges from a Reprogrammer's Perspective <b>Mr Allan Dundas</b> <i>DEWC</i></p> <p>Developing RF Vulnerability Awareness Tools for the ADF <b>Dr Keith Mason</b> <i>Defence Science &amp; Technology Group</i></p> <p>Evolution of Mission Data <b>Mr Kiril Uzunov</b> <i>Defence Science and Technology Group</i></p>	<p>SydNet: A Linked Data Quality Assessment Framework for Network Data <b>Mr Dean Philp</b> <i>Defence Science Technology Group</i></p> <p>Unveiling Video Streaming Content From Encrypted WiFi Traffic <b>Dr. Darren Webb</b> <i>Defence Science Technology Group</i></p> <p>EW&amp;C in the Era of Data Science <b>Mr Paul Brittan</b> <i>L3</i></p>
<b>10:45 - 11:30 Morning Tea in Exhibition</b> Hall N			
11:30 - 12:00 Hall M Cross Domain Secure Collaboration <b>Dr Steve Gottwals</b> , Adobe Systems			
12:00 - 12:30 Hall M DST Group's Future EW Strategic Research Initiative <b>Mr Alasdair McInnes</b> , DSTG Group, Cyber and EW Division			
<b>12:30 - 13:30 Lunch in Exhibition</b> Hall N			

Concurrent Sessions

13:30 – 14:30

**EW FUTURE TRENDS**

**DIRECTION FINDING**

Location

City Room 1

City Room 2

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

Hall N

Afternoon Tea in Exhibition Hall

Concurrent Sessions

15:00 – 16:00

**EW TECHNOLOGY**

**CYBER - SITUATIONAL AWARENESS**

Location

City Room 1

City Room 2

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

Hall N

Conference Close

**Mr Jurgen Opfer**

*President Australian Chapter of the AOC*

16:15

**Day 2 Close**