

RPAS in Australian Skies 2017



Conference Program

National Museum of Australia,
Canberra
June 27-28, 2017



AAUS acknowledges the generous support from its members, event sponsors and speakers.



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THALES



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Tuesday June 27, 2017

0900 – 0930 Registration and coffee

0930 – 0940 Welcome Address:

Dr Reece Clothier, President AAUS

0940 – 1010 Keynote: *Regulating RPAs for Safer Operations*

Chris Monahan, CASA

1010 – 1040 *Drone Management - an International View*

Mark Palmer, Thales

1040 – 1110 Morning Tea

1110 – 1140 *Australian RPAS Regulatory Roadmap*

Andrew Ward and **Dr Terry Martin**, Co-Chairs, UAS sub-Committee, Standards Consultative Committee, CASA

1140 – 1210 *Application of Bowtie Analysis to JARUS SORA for Air Risk*

Mike Roberts, Nova Systems

1210 – 1240 *International Trends in Drone Regulation*

Jon Resnick, DJI

1240 – 1330 Lunch

1330 – 1400 *A Safety Analysis on RPAS – A rapid growth and Safety Implications for Traditional Aviation.*

Dr Terry O'Bree, ATSB

Tuesday June 27, 2017

- 1400 – 1430 *Exploring Civil Drone Accidents and Incidents to help Prevent Potential Air Disasters*
- Dr Graham Wild**, RMIT University & **John Murray**, Edith Cowan University
- 1430 – 1500 *Drones: Crashes and Close Calls*
- Simon Hooper**, QBE Insurance
- 1500 – 1530 Afternoon Tea
- 1530 – 1600 **Panel Discussion:** *Managing the Risk of non-commercial drone operations*
- Jon Resnick, Graham Wild, Terry O’Bree** and **Simon Hooper**. Moderated by **Reece Clothier**
- 1600– 1630 *Addressing Airspace Integration Challenges during Westpac Little Ripper Lifesaving Trials*
- Eddie Bennet**, The Ripper Group
- 1630 – 1700 *‘Flight Lead - Skills for the future’ – An overview of the skills required for the next generation of RPAS professionals*
- Dan Minton**, Australian Industry Standards
- 1700 – 1800 Networking Drinks
- 1900 – 2200 Conference Dinner (Salotto Bar + Kitchen)

Wednesday June 28, 2017

0830 – 0900 Registration and coffee

0900 – 0930 *Integrating Air Force UAS in Australian Airspace – Goals and Challenges*

SQNLDR Chris Lowe, RAAF

0930 – 1000 *Advanced CNS / ATM Capabilities for large RPAS*

Brandon Suarez, General Atomics Aeronautical Systems

1000 – 1030 *Lessons learnt by 20 STA Regt flying in shared airspace in Afghanistan*

WO2 Steven Rappard, Army

1030 – 1100 Morning Tea

1100 – 1130 *Understanding the Design Space for Detect and Avoid*

Brendan Williams, The Boeing Company

1130 – 1200 *Current Trends in Remotely Piloted Aircraft Systems Airworthiness*

Matthew Bowers, Director, Program Airworthiness, Northrop Grumman Australia

1230 – 1300 *RPAS Communications Assurance and Link Modelling*

Andy Bull, Nova Systems

1300 – 1400 Lunch

Wednesday June 28, 2017

- 1400– 1430 Challenges and Opportunities for Civil Airspace
Integration of Small UAS in Australia
- Tim MacPherson**, Raedyne Systems
- 1430 – 1500 A Critical Analysis of UAS Operations in a Civilian Airport
Environment
- Dr. Vamsi K Madasu**, Systra Scott Lister
- 1500 – 1500 LTE and *UTM*
- Steve Harley & Peter Jones**, Telstra
- 1500 – 1530 Afternoon Tea
- 1530 – 1600 **Panel Discussion: *Exploring UTM for Australia***
- Mark Palmer (Thales), Simon Young (Airservices
Australia) and Andrew Ward (CASA)**. Moderated by
Brian Miller (Telstra)
- 1600 – 1610 Closing Remarks

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