

# 2018 AGENDA: TRAINING Day – Tuesday 3 July

*Conference Dress: Business attire; suit or shirt and tie. Uniform as required for Defence personnel. Social Functions: Business casual*

Time	Session	Session Details
7:30		Registration
		<b>Training Session - Plaza 1&amp;2</b>
8:00		<p><b><i>“Introduction to Probabilistic Safe-Life Analysis and Probabilistic Damage Tolerance Analysis Using the FAA-Sponsored SMART Software with Hands-on Training”</i></b></p> <p><b><u>Instructor:</u></b> Juan Ocampo PhD, Assistant Professor of Mechanical Engineering, St Mary’s University, San Antonio Texas</p>
12:00		<b>Lunch</b>
		<b>Training Session - Plaza 1&amp;2</b>
13:00		<p><b><i>“FAA Certification: Design, Production, Airworthiness”</i></b></p> <p><b><u>Instructor:</u></b> Marv Nuss, Nuss Sustainment Solutions</p>
17:00		<b>Close</b>

**Note:** Meals and refreshments available at BCEC Cafés, and other local cafés and restaurants.

# 2018 AGENDA - CONFERENCE DAY 1 - Wednesday 4 July

*Conference Dress: Business attire; suit or shirt and tie. Uniform as required for Defence personnel. Social Functions: Business casual*

Time	Session	Session Details
7:30		Registration
		<b>Plenary Sessions - Plaza 1&amp;2</b>
8:30	Welcome and Introduction:	Richard Gauntlett, Conference Chairman
8:45	ADF Address:	AIRCDRE Phil Tammen, Director General Air and Space Surveillance and Control, RAAF
9:00	CASA Address:	Shane Carmody – Director of Aviation Safety, CASA
9:15	Keynote Address:	<b>Army UAS Airworthiness and Sustainment – New ways of thinking becoming BAU</b> – LTCOL Keirin Joyce, Army UAS
10:00		<b>Morning Tea</b>
	Session	<b>“Will Asset Management Change Our Business?” (Sustainment Manager Forum) - Plaza 1&amp;2</b>
10:30	<b>Panel Session</b>	Panel Moderator: GPCAPT Adrian Morrison – Defence Aviation Asset Management Project, CASG
		Panel Members:
		GPCAPT David Houghton – OC Heavy Airlift SPO
		WGCDR Alan Wherrett – CO Tactical Fighter SPO
		Air Combat Electronic Attack SPO
		John Baker – Copernicus Technology
		Rodahn Gibbon – Sikorsky Australia
Sonia Cain - BAE Systems		
Jacobs Australia		
12:30		<b>Lunch</b>
	Session	<b>Technical Sessions - Plaza 1&amp;2</b>
13:30	1	<b>Proactive Asset Management through Maintenance Condition Data</b> – Bob Teunisse, CASG
14:10	2	<b>Working Towards a Digital Twin</b> – Dr Eric Tuegel, AFRL
14:50		<b>Afternoon Tea</b>
	Session	<b>Technical Sessions - Plaza 1&amp;2</b>
15:20	3	<b>Digital Solutions for Aging Norms</b> – Magdalene De Wet, Virgin Australia Regional Airlines
16:00	4	<b>Development of a Defence Aviation Asset Management System</b> – GPCAPT Adrian Morrison, CASG
16:40		<b>Close</b>

*“Cocktails and Canapes” in Room Plaza 1, 6:30 – 10:30pm*

Dinner Speaker: **CDRE Chris Smallhorn, RAN: “Regeneration of our Nation’s Fleet Air Arm”**

*Note: Dinner Co-hosted by the Royal Aeronautical Society QLD (Sir Hudson Fysh Dinner)*

# 2018 AGENDA - CONFERENCE DAY 2 - Thursday 5 July

Time	Session	Session Details	
	Session	<b>“Civil Aviation Sustainment” - Plaza 1&amp;2</b>	
8:00	<b>Panel Session</b>	Panel Moderator:	Marv Nuss - Nuss Sustainment Solutions
		Panel Members:	Mike Higgins – CEO, Regional Aviation Association of Australia (RAAA)
			Barry Sims – GM Airworthiness, Alliance Airlines
			Pieter van Dijk – Manager Engineering Services, CASA
			Ben Morgan – Executive Director, Aircraft Owners and Pilots Association (AOPA) of Australia
Beth Gamble – Textron Aviation			
10:00		<b>Morning Tea</b>	
	Session	<b>Technical Sessions - Plaza 1&amp;2</b>	
10:30	5	<b>An Ultrafast Crack Growth Lifting Model for Efficient Probabilistic Damage Tolerance Analysis</b> - Juan Ocampo, St Mary’s University, Texas	
11:10	6	<b>Aircraft Airworthiness &amp; Sustainment 2018 – Sustainment Agency Overview – CASA</b> – Pieter van Dijk, CASA	
11:50	7	<b>S-70A-9 Black Hawk: Balancing Airworthiness and Sustainment Management with the Demands of a Domestic Special Operations Capability and an International Sustainment Community</b> – LTCOL Adam Kurylewski and MAJ Steve Wardill	
12:30		<b>Lunch</b>	
	Session	<b>“Application of DASR to Ageing Aircraft” (Chief Engineer Forum) - Plaza 1&amp;2</b>	
13:30	<b>Panel Session</b>	Panel Moderator:	GPCAPT Adrian Morrison – Defence Aviation Asset Management Project, CASG
		Panel Members:	GPCAPT Dean Harvey – Director Engineering, Air Domain Centre, CASG
			WGCDR Adam Bowler – CENGR, Surveillance and Response SPO
			WGCDR Jason Dean – CENGR Air Combat SPO
			Gerry Mann - BAE Systems
			Jacobs Australia
Andrew Dropmann – Airbus Group AP			
15:30		<b>Afternoon Tea</b>	
	Session	<b>Technical Sessions - Plaza 1&amp;2</b>	
16:00	8	<b>The FAA’s Safety Continuum and its New Rules for Small Airplanes</b> – Marv Nuss, Nuss Sustainment Solutions	
16:40	9	<b>Continued Operational Safety Risk Assessment of Textron Aviation’s Commercial Fleet</b> – Beth Gamble, Textron Aviation	
17:20		<b>Close</b>	

“Drinks and Nibbles” in Foyer area 5:30 – 7:30pm  
Sponsored by: **Bion Systems and eco2000**

# 2018 AGENDA - CONFERENCE DAY 3 - Friday 6 July

Time	Session	Session Details	
	Session	<b>Electrical Wiring Interconnect Systems - Plaza 1&amp;2</b>	<b>Structures - Plaza 4</b>
8:00	10	<b>UK MoD DSTL Electrical Wiring Interconnect System Research Programme (Pt 1)</b> – Keith Fairley, Cableconnect Solutions	<b>Damage Tolerance Analysis of the PC-9/A Wing Main Spar with Misdrill Damage</b> – Kevin Jackson, QinetiQ Australia
8:40	11	<b>UK MoD DSTL Electrical Wiring Interconnect System Research Programme (Pt 2)</b> – Ross Fairley, Cableconnect Solutions	<b>Enhancing Aircraft Corrosion Risk Management via Microclimate Simulation</b> – Dr Milan Patel, RMIT University
9:20	12	<b>Corrosion Prevention Compound (CPC) Impact on Electronic Wiring and Interconnect System (EWIS) Hardware Evaluation</b> – Corey Boltz, AFRL	<b>C-130J-30 Wing Fatigue Test – Test Interpretation</b> – Ross Stewart, QinetiQ Australia
10:00		<b>Morning Tea</b>	
	Session	<b>“Asset Management Community of Practice” Meeting - Plaza 1&amp;2</b>	
10:30	<b>Discussion Session</b>	Moderator:	GPCAPT Adrian Morrison – Air Domain Centre, CASG
			LTCOL Michael Hansen - Army Aviation Systems Branch, CASG
			Andrew Wade - Standard Aero
			Gerry Mann - BAE Systems
12:30		<b>Lunch</b>	
	Session	<b>Technical Sessions - Plaza 1&amp;2</b>	<b>Technical Sessions - Plaza 4</b>
13:30	13	<b>A330 MRTT Airworthiness Regulatory Framework: an EMAR 21J Case Study and Next Steps</b> – Felipe San Martin, Airbus DS	<b>Introduction of Infrared Thermography Capability for the ADF</b> – Wade Farley, DASA NDT&CT
14:10	14	<b>Military Sustainment Engineering with the Defence Aviation Safety Regulations (DASRs) in the Australian Defence Force</b> – Stephen Bell, Air Combat SPO	<b>No Fault Found or more correctly, Fault Not Found; its causes, its costs and its correction</b> – John Baker, Copernicus Technology
14:50	15	<b>The Challenges of Structural Airworthiness Management within Defence</b> – MAJ Mehdi Moussaoui, DASA, and Stu Cogan, QinetiQ Australia	<b>Hydrothermal Ageing of Aircraft Composites</b> – Kirill Kolesnik, TsAGI, Central Aero-Hydrodynamic Institute, Russia
15:30		<b>Afternoon Tea</b>	
16:00	16	<b>Ageing Aircraft Life Management in the Concurrent Global Military Aviation Convention</b> – Dr Janardhana (Jana) Madabhushi, DASA	<b>Nil Findings – Three Nasty but Neglected Illusions of Structural Inspection Programs</b> – Steve Swift, Steve Swift Pty Ltd
16:40	17	<b>Eddy Current Array for Aircraft</b> – Graham Maxwell, Olympus Australia	<b>How Australia Helped Ageing Cessnas Achieve Damage Tolerance</b> - Steve Swift, Steve Swift Pty Ltd
17:20		<b>Close of Conference</b>	