

Safety and Sustainability in a Disruptive World 18 September 2018		
Day 1 Timings	Lecture Theatre	Terrace Rooms
09:00-09:30	Registration and exhibition opening	
09:30-09:40	Welcome and domestics John Allan, Hd QSEP	
Day 1 KEYNOTE SPEAKERS Chair - John Allan, Head, QSEP		
09:40-10:30	Air Marshal Julian Young Chief of Materiel (Air) CB OBE	
	Tim Rowntree, Director Safety & Environment, Quality and Technology	
10:30-11:00 Coffee - Exhibition & networking		
Topic 1 – Disruptive world Chair - Dave Clark, Atkins		
11:00-12.30	Cyber security in medical devices, Dr Richard Piggin, Atkins	
	Managing the risk of drone operations, Nigel Hewitt, Osprey	
	DE&S Graduates – Project updates including: <ul style="list-style-type: none"> • Manned or unmanned aircraft – can we/should we ever take the pilot completely out of the loop? • Digital Engineering / Engineered resilient systems • How to embrace machine learning in a safe way • What will the next disruptive technology be in marine systems? 	
		Workshop 1 Placing Def-Stan 00-051 into contract and compliance using open standards - Jayne Rogers Head of Environmental (Engineering Governance), BAE Systems
12:30-13:30 Lunch - Exhibition – Networking		
Topic 2 – Tools and Techniques Chair - James Inge, Deputy Head, QSEP		
13:30-14:30	Guiding DE&S projects towards a proportionate implementation of ASEMS Professor Tim Kelly – University of York	
	Assumptions in system analysis Dr Nektarios Karanikas, Associate Professor at Amsterdam University of Applied Sciences (Aviation Academy)	
		Workshop 2 Immersive technologies for risk-averse, Safety based training - Sam Dorling, BMT
14:30-15:30 Tea – Exhibition – Networking		
Topic 3 – People in a Disruptive World Chair - Jeff Lucas, BAE Systems		
15:30-16:30	How artificial intelligence can work with the pilot as a team - Dr Donough Wilson, Coventry University	
	Optimising Organisational Resilience by Instilling a Just Culture - Nicole Saunders, Osprey	
		Workshop 3 POEMS and sustainability - is POEMS sustainable? John Dent and Ian Tarplee, Frazer Nash

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Day 2 Timings	Lecture Theatre	Terrace Room
09:00-09:20	Registration and coffee and exhibition opening	
Day 2 KEYNOTE SPEAKERS Chair – John Allan Hd QSEP		
09:20 - 09:45	Paul Skinner CBE, Chair of the DE&S Board	
Topic 4 – Environmental sustainability Chair – John Allan Hd QSEP		
09:45-10:45	Mandated POEMS – how does POEMS add value? Emma McElwaine, Frazer Nash	Workshop 4 Life Cycle of the ISEA: Developing a mutual understanding - Daryl Stevenson, DE&S
	Delivering energy and environment requirements in a multinational environment - Richard Brewin, EDA Europe	
10:45-11:15 Coffee - Exhibition – Networking		
Topic 5 – Safety Professionalism and Competence Chair – Mark Jones, Frazer Nash		
11.15 -12:15	Safety Competence for Practitioners and the new IET Code of Practice - Rhys David, Safety Assurance Services Ltd	Workshop 5 Environmental Legislation and Compliance Management – is Compliance a Tick-Box Exercise? – Mandy Gore, Frazer Nash
	Safety professionalism across DE&S - John Allan & Dr Jon Cook	
12:15-13:15 Lunch - Exhibition – Networking		
Topic 6 – Defence Regulator Question Time Chair – RAdm Malcolm Toy, DO&A		
13:15 -14:15	Question Time with the Defence Regulators: DNSR – David Langbridge DLSR – Col Robert Cosgrove DFSR – Ian McDougall DMR – Allan Bain MAA – Cdre David Childs DOSR – Bob MacNaught	
14:15 – 14:45 Coffee - Exhibition – Networking		
Topic 7 – Disruptive World Chair - Luke Fielder, Atkins		
14:45 – 15:45	Keeping people and places safe with geospatial information - Colin Henderson, Atkins	Workshop 6 Placing Def-Stan 00-051 into contract and compliance using open standards - Jayne Rogers Head of Environmental (Engineering Governance), BAE Systems
	AI – The end of the world? – Philip Wright, DS&EQT Technical Office	
Awards Chair - Paul Skinner CBE, Chair of the DE&S Board		
15:45-16:15	Awards IET Chairman of the Safety Engineering Technical Professional Network (TPN), Brian Penfold IIRSM Chief Executive, Phillip Pearson	