



# KEEPING SIMULATORS CURRENT AND CAPABLE

LONDON / 4 - 5 JUNE 2014



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## KEEPING SIMULATORS CURRENT AND CAPABLE

The aim of this Flight Simulation conference is to discuss the challenges associated with keeping flight simulators current and capable from both a concurrency and technological aspect. This applies to both military and civil flight simulators in both fixed wing and rotary wing communities and includes full flight simulators as well as lower level devices.

In both the civil and military simulation and training communities, the challenges associated with keeping the simulator's configuration current with the aircraft fleet can be a daunting task. Flight Simulation and the timely incorporation of these changes are increasingly important in order to train flight crew members during the time that the changes are being incorporated into the aircraft.

With technological obsolescence occurring at an ever rapid pace, the increasing reliance on Training Devices for Flight Crew Training in all areas of aviation demand the Training Devices to be operated around the clock and to be both reliable and available to the flight crews when scheduled.



### VENUE

Royal Aeronautical Society  
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\*£100 early bird discount available on all bookings made before 4th April 2014 (Excludes Baseline Member rate)

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# PROGRAMME - 04 JUNE 2014

08:30	<b>Registration / Tea &amp; Coffee</b>	12:30	<b>DISCUSSION - SESSIONS 1 &amp; 2</b>
09:00	<b>OPENING REMARKS</b> Conference Chairman: Jim Takats, RAeS Flight Simulation Committee, UK	13:00	<b>Networking Lunch</b>
09:10	<b>KEY NOTE ADDRESS</b> Adolfo Klassen, President and Founder, Paladin: Paradigm Knowledge Solutions, Inc., USA	▶ 13:00	<b>SESSION 3: TRAINING NEEDS DRIVING SIMULATOR CAPABILITY</b> Chairman: Dave Parkinson, RAeS Flight Simulation Committee, UK
	▶ <b>SESSION 1: KEEPING CIVIL SIMULATORS CURRENT - DRIVERS AND RESEARCH</b> Chairman: Jack Shlien, RAeS Flight Simulation Committee, UK	14:00	<b>(7) Model Reuse and Customer Adaptation Based on the Gripen Core Aircraft Simulator Family</b> Henric Andersson & Jhan Norberg, PhD, Saab Aeronautics, Sweden
09:30	<b>(1) Why Operators Should Keep Their Devices Current</b> Barry Gaines, General Manager, ETOPS, France	14:25	<b>(8) Real-Time Mechanism and System Simulation to Support Flight Simulators</b> Yves Lemmens, Senior Project Leader RTD, LMS International N.V., Belgium
09:55	<b>(2) Business Issues to Consider in Keeping Commercial Flight Simulators Current</b> Peter Niemy, Business Development & Strategy, Aircraft Simulation Services Ltd., UK	14:50	<b>(9) The Experience and Some Issues of the Convertible FSTD Qualification</b> Dr Vladimir Shibaev, Director of the Aviation Certification Centre, Central Aerohydrodynamics Institute, Russia
10:20	<b>(3) Controlling Sustained FSTD Costs - An Operators View</b> Brandon Mazzacavallo, Simulator Management Services / Flight Operations Support and Kip Caudrey, Senior Manager Simulator Evaluation, Standards and Regulatory Affairs, Boeing Flight Services, USA	15:15	<b>Networking Break</b>
10:45	<b>(4) Keeping Simulators of Recent Aircraft Current - The Search for a Standard Integration Format</b> Speaker TBC, Airbus	15:45	<b>(10) Organisational Aspects on Providing Current Geodata to Simulator Systems</b> Elisabet Ressler, Head of Geodata Competence, Saab AB, Sweden
11:10	<b>Networking Break</b>	16:10	<b>(11) Keeping the AC-130U Gunship WST Concurrent with Ongoing Aircraft Modiciations</b> Gerald Messaris, Director of Engineering, OPINICUS Textron Inc., USA
	▶ <b>SESSION 2: LESSONS LEARNED KEEPING SIMULATORS CURRENT</b> Chairman: Mark Dransfield, RAeS Flight Simulation Committee, UK	16:35	<b>(12) Merlin and F-16 Rotary &amp; Fixed Wing Military Simulation Stories</b> Tim James, International Business Development Manager, Lockheed Martin, UK
11:40	<b>(5) Keeping 787 Training Devices Concurrent with the Airplane - The Boeing TDM Perspective</b> David White, Chief Scientist, Link Simulation & Training, UK	17:00	<b>DISCUSSION</b>
12:05	<b>(6) Update or Die: How to Keep Your Grandfather's Rights Alive</b> Antonio D. Ayala, Flight Simulation Training Device (FSTD) Expert, Airbus Defence & Space, Spain	17:30	<b>CLOSING REMARKS</b> Conference Chairman: Jim Takats, RAeS Flight Simulation Committee, UK
		18:00	<b>EDWIN A LINK LECTURE</b> Capt Randy Neville, 787 Chief Test Pilot, Boeing, USA
			<b>Followed by a Networking Reception</b>

# PROGRAMME – 05 JUNE 2014

08:30 **Registration / Tea & Coffee**

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09:00 **OPENING REMARKS**

Conference Chairman: Jim Takats,  
RAeS Flight Simulation Committee, UK

► **SESSION 4: TRAINING**

Chairman: Goran Ancker, RAeS Flight  
Simulation Committee, UK

09:10 **(13) Effective Mission Rehearsal:  
Challenges in Maintaining  
Currency in Mission-Specific  
and Predeployment Training  
Environments**

Jennifer Whitby, Systems/Software  
Engineer, QinetiQ, UK

09:35 **(14) Improving Simulator-Based Air  
Transport Loss-of-Control Training**

Rodney Rogers, Professor of  
Aeronautical Science, Embry-Riddle  
Aeronautical University, USA

10:00 **(15) Adding Capability to Maintain  
Relevance**

Andy Naismith, Managing Director  
Aircrew Training Services UK,  
CAE ATS Plc, UK

10:25 **DISCUSSION**

10:50 **Networking Break**

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► **SESSION 5: MILITARY FIGHTER  
EXPERIENCES**

Chairman: Barry Tomlinson, RAeS  
Flight Simulation Committee, UK

11:20 **(16) Keeping the Tornado GR4  
Synthetic Training Service  
Concurrent with the Aircraft  
Development Programme and in Line  
with Evolving Mission Rehearsal and  
Pre-deployment Training**

David Bolsover, General Manager ACE,  
Thales, UK

11:45 **(17) Obsolescence - An Opportunity  
to Keep a High End Training Device  
Capable and Cost Effective**

Erik Heinzmann, Operational  
Factor Senior Manager, Eurofighter  
Jagdflyzeug GmbH, Germany

12:10 **(18) Challenges in Keeping Gripen's  
Flight Training Systems in pace with  
the Gripen Fighter System**

Nicholaus Lundbohm, Saab AB,  
Sweden

12:35 **DISCUSSION**

13:00 **Networking Lunch**

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► **SESSION 6: TECHNICAL ADVANCES  
ENABLING NEW SIMULATOR  
CAPABILITIES**

Chairman: Gordon Woolley OBE, RAeS  
Flight Simulation Committee, UK

14:00 **(19) To Update or Not to Update:  
The Dilemma of Obsolescence and  
Reliability Improvements**

John Carlton, Staff Engineer, Link  
Simulation & Training, UK

14:25 **(20) Keeping Maintenance  
Simulators Concurrent with Aircraft  
Modifications**

Kyle Crooks, Vice President and GM,  
Textron Simulation and Training, USA

14:50 **(21) The Potential Pitfalls of Visual  
System Upgrades**

Graham Olive, Visual Product  
Authority & Graham Watson, Visual  
Product Manager, Link Simulation &  
Training, UK

15:15 **Networking Break**

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15:45 **(22) Zero Incremental Integration  
Impact (ZI<sup>3</sup>)**

Scott Means, Engineering Support  
Manager, COMPRO Computer  
Services, Inc, USA

16:10 **DISCUSSION**

16:40 **CLOSING REMARKS**

Conference Chairman: Jim Takats,  
RAeS Flight Simulation Committee, UK

17:00 **CLOSE OF CONFERENCE**