

# 3<sup>rd</sup> Major Workshop Wake Turbulence Achievements and Future Research Needs

## Workshop Agenda Tuesday, 10 May 2011 (1st day)

09:00	<b>Workshop Registration</b>
09:30	<b>Welcome &amp; Introduction</b> PAUL HASKINS, GM LONDON TERMINAL CONTROL, NATS DIETRICH KNÖRZER, Scientific Officer, European Commission ANDREAS REINKE, Coordinator - WakeNet3-Europe, AIRBUS
10:00	<b>Session 1: Wake Turbulence Separations and Recategorisation</b>
10:00	<b>Procedural Time Based Separation</b> JENNI SYKES (NATS)
10:30	<b>RECAT</b> DAVID BOOTH (EUROCONTROL)
11:00	<b>Coffee Break (30min)</b>
11:30	<b>SESAR project 6.8.1 "Flexible and Dynamic Use of Wake Vortex Separations"</b> MIKE COWHAM (NATS)
12:00	<b>Airport Terminal Traffic Simulation Applying Reduced Wake Vortex Separation</b> NAOKI MATAYOSHI (JAXA)
12:30	<b>Lunch (1:30min)</b>
14:00	<b>Update on A380 Wake Vortex Activities</b> CLAUDE LELAIE (AIRBUS)
14:30	<b>Investigating Technology Enablers for Optimised Wake Vortex Separation</b> SHANNA SCHOENHALS (TU-BRAUNSCHWEIG)
15:00	<b>Coffee Break (30min)</b>
15:30	<b>CROPS/TBS</b> DAVID BOOTH (EUROCONTROL)
16:00	<b>SESAR project 12.2.2 "Runway Wake Vortex Detection, Prediction and Decision Support Tools"</b> JEAN-FRANCOIS MONEUSE (THALES AIR SYSTEMS)
16:30	<b>End of Day 1</b>
19:00	<b>Social Event – Dinner De Vere Grand Harbour (optional, registration required)</b>

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### Workshop Agenda Wednesday, 11 May 2011 (2nd day)

08:45	<b>Workshop Opening</b>
09:00	<b>Session 2 : Continued Wake Vortex Research</b>
09:00	<b>A theoretical explanation as to why the induced rolling moment of an A380 wake on an A320 or A300 aircraft can be much like that of a B747 wake</b> GREGOIRE WINCKELMANS (UCL)
09:30	<b>Wake Vortex Topology and Decay – New Insights from Observation and Simulation</b> FRANK HOLZAEFFEL (DLR)
10:00	<b>Coffee Break (30min)</b>
10:30	<b>Wake Vortex Scattering Characteristics and Future Research Needs</b> ZHONGXUN LIU (NUDT/ISAE)
11:00	<b>Session 3 : Wake Advisory Systems &amp; Weather Prediction</b>
11:00	<b>Towards a Wake Encounter Advisory &amp; Avoidance System – Recent work at DLR</b> TOBIAS BAUER (DLR)
11:30	<b>Benefits of Conditional Reduction of Wake Turbulence Separation Minima</b> JENS KONOPKA (DFS)
12:00	<b>Lunch (1:30min)</b>
13:15	<b>SESAR projects 9.11 &amp; 9.30 “Aircraft Systems for Wake Encounter Alleviation”</b> SEBASTIAN KAUERTZ (AIRBUS)
13:45	<b>Wind and Wake Vortex Monitoring Sensors Research Needs for Airport Operations</b> FREDERIC BARBARESCO (THALES AIR SYSTEMS)
14:15	<b>WN3E Workshop Comments</b> DIETRICH KNÖRZER (EC), ANDREW BADHAM (UK CAA), BOB LUNNON (UK MET OFFICE), ANDREAS REINKE (AIRBUS)
14:45	<b>Coffee Break (15min)</b>
15:00	<b>A Radar Simulator for Monitoring Wake Turbulence in Rainy Weather</b> ZHONGXUN LIU (NUDT/ISAE)
15:30	<b>GreenWake</b> CARSTEN SCHWARZ (DLR)
16:00	<b>Closing Session</b>
16:00	<b>Workshop Close</b> ANDREAS REINKE (AIRBUS), MATT ROSS (NATS), OTHERS
16:30	<b>End of Workshop</b>

