

WakeNet-Europe

WakeNet-Europe Workshop 2014

Agenda Day 1: Tuesday, 13 MAY 2014

Time (duration)	Title	Presenter/ Session Chair
09:00 (15')	Registration	
09:15 (05')	Welcome/Opening Words	
09:20	Key-Note 1	F. Brenner (EUROCONTROL)
10:00	Key-Note 3	D. Knörzer (European Commission)
Session 1	ATM & SESAR	Thomas Feuerle (TU Braunschweig)
10:20 (25')	From SESAR to Implementation: Completing the TBS Picture	Janet Singhal, Simon Goodman, Simon Young (NATS)
10:45 (25')	Progress of European SESAR P12.2.2 "Runway Wake Vortex Detection, Prediction and decision support tools" Project and Presentation of 1 Year Radar/ Lidar Trials at Paris-CDG Airport planned in 2014-2015	Philippe Juge & Frédéric Barbaresco (Thales)
11:10 (25')	Coffee Break	
11:35 (25')	Researches towards Dynamic Wake Vortex Separation	Naoki Matayoshi (JAXA)
12:00 (25')	DANS LIDAR wake vortex data campaign, deployment of Dependent Diagonal approaches and ongoing work to prepare RNP Parallel Approach Transition (RPAT) concept for implementation	Roberto Ghidini (DANS Dubai Air Navigation Services)
12:25 (10')	RECAT – The Dubai approach	Roberto Ghidini (DANS Dubai Air Navigation Services)
12:35 (25')	European Proposal for optimized Wake Turbulence Categorization and Separation Minima on Approach and Departure – RECAT-EU	Vincent Treve, Frédéric Rooseleer (EUROCONTROL)
13:00 (60')	Lunch Break (sponsored, with thanks to Thales)	
14:00 (25')	Air Traffic Controller Human Factors issues during implementation of Recat	Joel Forrest & Mike Prichard (Human Solutions Inc)
14:25 (25')	SESAR 6.8.1: an updated view on the wake programme	Vincent Treve, Frédéric Rooseleer (EUROCONTROL)
Session 2	Wake Vortex Hazard Assessments	Carsten Schwarz (DLR)
14:50 (25')	Is the assumption of straight vortices valid for encounter hazard assessment?	Dennis Vechtel (DLR)
15:15 (25')	On the loss of roll control induced by the wake vortex hazard	L.M.B.C. Campos (Instituto Superior Técnico Portugal) & J.M.G Marques
15:40 (25')	Coffee Break	
16:05 (20')	Application of observed aircraft approach and departure speeds to evaluating the feasibility and safety of wake solutions	Lisa Spinoso (MITRE)
16:25 (25')	RMC-based severity metrics : possibilities and scalings	Grégoire Winckelmans & Ivan De Visscher (UCL & WaPT)
16:50 (25')	En-route aircraft wake vortex encounter analysis in a high density air traffic region	Ulrich Schumann (DLR) & Robert Sharman
17:15 (5')	End of Day 1, short Wrap-Up, Reminder for Day 2	

17:20 cocktail event (by Eurocontrol)

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Agenda Day 2: Wednesday, 14 MAY 2014

Time (duration)	Title	Presenter/ Session Chair
09:00 (10')	Welcome Day 2, Announcements	
Session 2	Wake Vortex Hazard Assessments (cont.)	Emmanuel Isambert (EASA)
09:05 (25')	Enhancement to NATS wake reporting database	Debbie RUSHTON (NATS)
Session 3	General Vortex Studies	Emmanuel Isambert (EASA)
09:30 (25')	Impact of Wind, Touchdown, and Plate Lines on Wake Vortex Evolution in Ground Proximity	Frank Holzäpfel & Takashi Misaka (DLR) et. al
09:55 (25')	Revisiting wake vortex mitigation by means of passive devices. Concept and current validation status of a novel device	Rainer Buffo (RWTH Aachen)
Session 4	Wake Vortex Sensor (General)	Emmanuel Isambert (EASA)
10:20 (25')	Development and installation of an infrasonic wake vortex detection system at Newport News International Airport	Qamar A. Shams & Allan J. Zuckerwar (NASA)
10:45 (25')	Coffee Break	
11:10 (25')	European FP7 UFO (Ultra-Fast wind sensOrs for wake-vortex hazards mitigation) Project : Technological Developments and Validation Campaign of New Generation Multifunction X-band and 1.5 μ m lidar sensors on Airport for wind hazards monitoring on airport	Frédéric Barbaresco (Thales)
11:35 (25')	Wake Vortex Detection: Phased microphone vs. linear infrasonic array	Qamar A. Shams & Allan J. Zuckerwar (NASA)
12:00 (25')	Do Vortices behave differently under pulsed LIDAR friendly versus non-friendly conditions?	David Burnham, Frank Wang (VOLPE)
Session 5	Wake Vortex Sensor (Lidar)	Frédéric Barbaresco (Thales)
12:25 (25')	Detection and Estimation of Wake Vortex on Ultra Fast-Scanning Pulsed-Doppler Lidar	Eiichi Yoshikawa (JAXA)
12:50 (60')	Lunch Break	
13:50 (25')	Presentation of the results and conclusions regarding the Green-Wake Project	David Rees (Hovemere Ltd.)
14:15 (25')	Beyond 10 Km range wind-speed measurement with a 1.5 μ m all-fiber laser source	Agnès Dolfi-Bouteyre (ONERA)
14:40 (25')	Recent developments of WINDCUBE Doppler lidars for airport wind hazards monitoring	Jean-Pierre Cariou, Ludovic Thobois et al (LEOSPHERE)
15:05 (25')	Coffee Break	
Session 6	Wake Vortex Sensor (Radar)	Frédéric Barbaresco (Thales)
15:30 (25')	Radar Characteristics and Parameter-Retrieval method of Wake Vortices Generated in Wet Weather Conditions	Xuesong Wang, Tao Wang, Jianbing Li, Chen Guo, Shuli Song (NUDT)
15:55 (25')	X-Band Phased Array Radar: Current Radar Performance And Plans For Wake Vortex Experimentation	Peter Drake, Jacqueline Bourgeois, David McLaughlin (RAYTHEON)
16:20 (25')	Simulation of X-Band radar for the assessment of Eddy dissipation rate on a convective boundary layer	Carlos Pereira, Vanhoenacke Janvier D. (UCL)
16:45 (15')	Closing remarks	
17:00	End of Wakenet-Europe Workshop 2014	