WakeNet-Europe

WakeNet-Europe Workshop 2013

Day 1: Wednesday, 15 MAY 2013

	Time (duration)	Title	Presenter/ Session Chair
	09:00 (10')	Welcome/Opening Words	DLR/ TU Braunschweig/ STAC
	09:10 (30')	Key-Note	Bernard Miaillier / Eurocontrol
	09:40 (5')	Introduction to General Session	DLR/ TU Braunschweig
Session 1		Wake programme implementation - results and lessons-learnt	R. Graham / Eurocontrol
	09:45 (25')	How stakeholders can present their points of view within international regulatory organisations	Jean-Louis PIRAT / STAC
	10:10 (25')	Federal Aviation Administration Wake Turbulence Program - Recent Highlights	J.Tittsworth and S. Barnes / FAA
	10:35 (25')	Wake Turbulence Recategorization Case Study at Memphis International Airport	J.Tittsworth and S. Barnes / FAA
	11:00 (30')	Coffee Break	
	11:30 (25')	Wake Progression in the United States	J. Forrest, M. Prichard, J. Tittsworth / Human Solutions Inc., FAA
Session 2		Progress towards operational implementation	E. Isambert/ EASA
	11:55 (25')	Progress of SESAR P12.2.2 Project for Wake Vortex Detection, Prediction and decision support tools (WVDSS): First XP1 CDG Trials Results and WVDSS Simulation Platform Validation	P. Juge, F. Barbaresco / Thales
	12:20 (25')	Dual Arrival Stream Operations in DXB	R. Ghidini / Dubai ANS
	12:55 (90')	Lunch Break	
	14:25 (25')	Crosswind-based wake avoidance system approved by the FAA for operational use	E. Johnson / FAA
	14:50 (25')	Reduced wake vortex separation using weather information	N. Matayoshi / JAXA
	15:15 (30')	Coffee Break	
Session 3		Development of Models, Systems and Procedures	T. Feuerle/ TU Braunschweig
	15:45 (25')	Towards realistic simulation of wake vortex evolution during approach and landing with and without plate lines	F. Holzäpfel, A. Stephan, T. Misaka / DLR
	16:10 (25')	Simulation of Aircraft Encounters with Perturbed Vortices Considering Unsteady Aerodynamic Effects	D. Bieniek/ TU Berlin
	16:35 (25')	Collaborative research activities on time-variable approach procedures for wake vortex encounter avoidance	T. Yoshihara / ENRI
	17:00 (25')	Flight Testing the Wake Encounter Avoidance and Advisory System: First Results	F. Abdelmoula, T. Bauer / DLR
	17:25 (5')	End of Day 1, short Wrap-Up, Reminder for Day 2	DLR/ TU Braunschweig/ STAC

17:45 cocktail reception (sponsored by THALES)

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Day 2: Thursday, 16 MAY 2013

	Time (duration)	Title	Presenter/ Session Chair
	09:00 (10')	Welcome Day 2, Announcements	DLR/ TU Braunschweig/ STAC
	09:10 (10')	Introduction to Wind/Wake-Vortex Sensor Sessions	F. Barbaresco/ Thales
Session 4		Wind/Wake Vortex Sensors Part 1	V. Treve / Eurocontrol
	09:20 (25')	European FP7 UFO Project "Ultra-Fast wind sensOrs for wake-vortex hazards mitigation"	F. Barbaresco, F. Orlandi, P. Juge / Thales
	09:45 (25')	Status update on the use of aircraft-derived meteorological and aircraft data for real-time Wake/ATM/MET applications	E. Johnson / FAA
	10:10 (25')	Real time monitoring of wake vortices with a scanning Doppler lidar	A. Dolfi-Bouteyre, S. Loaec / ONERA, LEOSPHERE
	10:35 (30')	Coffee Break	
Session 5		Wind/Wake Vortex Sensors Part 2	F. Barbaresco/ Thales
	11:05 (25')	Vortex Spacing Measurement with Pulsed LIDARs	J.Tittsworth and S. Barnes / FAA
	11:30 (25')	Thales X-band Radar Trials for Wake-Vortex Monitoring in SESAR P12.2.2 Project	M. Klein, Y. Ricci, F. Barbaresco / Thales
	11:55 (25')	Update on Low Cost X-band Phased Array Radar Technology for High Resolution Atmospheric Sensing Applications	P. Drake / Raytheon, D. McLaughlin/ University of Massachusetts
	12:20 (110')	Lunch Break	
Session 6		Wind/Wake Vortex Sensors Part 3	F. Barbaresco/ Thales
	14:10 (25')	Radar observation of wake vortex in rain, cloud and fog	Tao WANG, Jian DONG, Zhongxun LIU, Jianbing LI/ NUDT
	14:35 (25')	Calculation of Radar cross section based on Simulations of Aircraft Wake Vortices	C. Peirera / UCL
	15:00 (30')	Coffee Break	
	15:30 (25')	Variations of the atmospheric refractive index in the presence of wake vortices	V. Brion / ONERA
	15:55 (30')	Closing remarks	DLR/ TU Braunschweig/ STAC/ all
	16:25	End of Wakenet-Europe Workshop 2013	