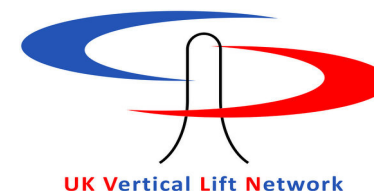


The 1st Annual UK Vertical Lift Network Technical Workshop

Nunsmere Hall Hotel, Oakmere, Cheshire

10-12 April 2015



Final Programme

Friday 10th April

10.00 - 15.00	VLN Meeting			
15.00 - 15.20	Keynote	Antonio Filippone	MAN	<i>Introduction to the VLN Activities</i>
15.20 - 15.45	Aerodynamics 1	Dan Poole	BRI	<i>High-Fidelity Simulation of Vortex Generators for Tiltrotor Aircraft Wings</i>
15.45 - 16.10		Richard Green	GLA	<i>The Clean Sky CARD project: wind tunnel measurements of a model helicopter rotor and fuselage drag</i>
16.10 - 16.25	Coffee			
16.25 - 16.50	Powerplants	Fakhre Ali	CRA	<i>Multidisciplinary Design and Optimisation of Conceptual Rotorcraft Powerplants:</i>
16.50 - 17.15		Nicholas Bojdo	MAN	<i>Helicopter Environmental Engine Protection: Progress and Challenges</i>
17.30 - 19.30	Dinner			

Saturday 11th April

09.30 - 09.50	Coffee			
09.50 - 09.55	Opening Remarks	Antonio Filippone	MAN	
09.55 - 10.20	Flight Mechanics	Kevin Ferguson	GLA	<i>Study of a Coaxial Compound Helicopter flying Mission-Task-Elements</i>
10.20 - 10.45		Clement Crozon	LIV	<i>Coupled CFD/Flight Mechanics method for SHOL</i>
10.45 - 11.00	Coffee			
11.00 - 11.25	Aerodynamics 2 / Operations & Handling	Daniele Zagaglia	GLA	<i>Experimental investigation of the aerodynamic interaction between a helicopter and ground obstacles</i>
11.25 - 11.50		Giulia Chirico	LIV	<i>Helicopter wake interaction with ground obstacles</i>
11.50 - 12.15		Yaxing Wang	LIV	<i>Simulation of helicopter and wind turbine wake encounters with light aircraft</i>
12.15 - 14.00	Lunch			
14.00 - 14.25	Aerodynamics 3	Massimo Biava	LIV	<i>Adjoint-based optimisation methods for rotorcraft blades</i>
14.25 - 14.50		Mark Woodgate	LIV	<i>Implicit Unstructured Methods for fuselage CFD analysis</i>
14.50 - 15.15		Antonio Garcia	LIV	<i>Tilt-rotor CFD using the Helicopter Multi-Block solver</i>
15.15 - 15.30	Coffee			
15.30 - 15.55	Dynamics	Djamel Rezgui	BRI	<i>Non linearities in Rotating Blade Dynamics</i>
15.55 - 16.20		Vasilis Pastrikakis	LIV	<i>Simulation of helicopter rotors equipped with Gurney flaps</i>
16.20 - 17.15	Open Discussion / Close		ALL	
17.30 - 19.30	Dinner			

Sunday 12th April

09.30 - 09.50	Coffee		
09.50 - 12.15	Open Discussion / Walk		
12.15 - 13.30	Lunch		
13.30 - 14.00	Closing Speech	Antonio Filippone	MAN

BRI - University of Bristol

CRA - Cranfield University

GLA - University of Glasgow

LIV - University of Liverpool

MAN - University of Manchester