

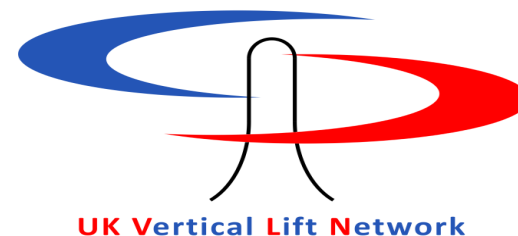
The 3rd Annual UK Vertical Lift Network Technical Workshop

Shrigley Hall Hotel, Cheshire

22-23 May 2017

BAT - University of Bath
 BRI - University of Bristol
 CRA - Cranfield University
 GLA - University of Glasgow

LEO - Leonardo Helicopters
 LIV - University of Liverpool
 MAN - University of Manchester
 DSTL - Defence Science & Technology Laboratories



Final Programme

Monday 22nd May

09.30 - 10.00	Coffee			
10.00 - 10.20	Keynote	Antonio Filippone	MAN	<i>Introduction : Update on the UK Vertical Lift Network</i>
10.20 - 10.45	Whirl Flutter	Higgins, Ross	GLA	<i>Whirl Flutter Simulation Using CFD</i>
11.10 - 11.35		Mair, Chris	BRI	<i>Review of whirl flutter models and stability analysis</i>
11.35 - 12.00	Propellers	Chirico, Giulia	GLA	<i>Aeroacoustic Analysis of Modern Propeller Designs</i>
12.00 - 12.25		Smith, Dale	MAN	<i>Counter Rotating Open Rotors for General Aviation</i>
12.25 - 13.30	Lunch			
13.30 - 13.55	Flow Control	Liu, Xiao	BRI	<i>Noise Control for a Trailing-edge Serrated Airfoil in Tandem Configuration</i>
14.20 - 14.45		Green, Richard	GLA	<i>Delay of dynamic stall using pulsed air jet vortex generators</i>
14.45 - 15.10		deHaeze, Florent	LEO	<i>CFD Methods Development for the Simulation of Tilt Rotor Aircraft in the HiPerTilt Project</i>
15.10 - 15.30	Coffee			
15.00 - 15.25	Operations & Handling	Memon, Wajih	LIV	<i>Heliflight-R Rotorcraft Simulator Fidelity Research</i>
15.25 - 15.50		Taylor, Neil	DSTL	<i>DSTL Rotorcraft Research Priorities</i>
15.50 - 18.30	Country Walk	All		
18.30 - 20.00	Dinner			

Tuesday 23rd May

07.00 - 08.30	Breakfast			
08.30 - 09.00	Coffee			
09.00 - 09.25	Wake Interaction	Jimenez-Garcia, Antonio	GLA	<i>A High-Order Method for Rotorcraft Flow</i>
09.25 - 09.50		Tan, Jianfeng	GLA	<i>Analysis of Unsteady Aerodynamic Load of Tail Rotor under Main Rotor Aerodynamic Interaction with Vortex Method</i>
09.50 - 10.15		Appleton, Wesley	MAN	<i>Main Rotor Aerodynamic Interaction with Vortex Method</i>
10.15 - 10.40		Watson, Neal	LIV	<i>Numerical and Experimental Comparison of a Carrier Air-wake for use in Fixed-Wing and Rotary-Wing Flight Simulation</i>
10.40 - 11.00	Coffee			
11.00 - 11.25	Active Rotors	Magowan, Thomas	LEO	<i>Vibration Control Development and System Integration for an Active Trailing Edge System</i>
11.25 - 11.50		Woodgate, Mark	GLA	<i>Active Blade Twist and Advanced Rotor Tip Design</i>
11.50 - 12.15		Rivero, Andres	BRI	<i>Analytical Modeling of a Composite Fish Bone Active Camber Morphing Aerofoil</i>
12.15 - 13.30	Lunch			
13.30 - 13.55	Sensing & Measurement	Barbini, Leonardo	BATH	<i>Detection of a defective bearing on a civil aircraft engine</i>
13.55 - 14.20		Furtado, Samuel	MAN	<i>Structural Design, Manufacturing and Instrumentation of rotor blades</i>
14.20 - 14.45		Lone, Mussadir	CRA	<i>An update of the BLADESENSE project</i>
14.45 - 15.10	Coffee			
15.10 - 16.00	Closing Session	All		