

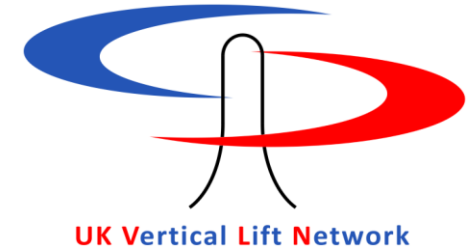
The 4th Annual UK Vertical Lift Network Technical Workshop

Shrigley Hall Hotel, Cheshire

7-9th April 2019

BAT - University of Bath
 BRI - University of Bristol
 GLA - University of Glasgow
 LEO - Leonardo Helicopters

LIV - University of Liverpool
 MAN - University of Manchester
 SOP - Sophrodyne



Final Programme

Monday 8th April

0900 - 0915	Keynote	Antonio Filippone	MAN	<i>Introduction : Update on the UK Vertical Lift Network</i>
0915 - 0945	Aerodynamics	Federico Rovere	GLA	<i>Brown-out and white-out modelling</i>
0945 - 1015		Samuel Bull	BAT	<i>Compound Transient Aerofoil Motions</i>
1015 - 1045		Richard Brown	SOP	<i>Understanding the Vortex Ring State through Experiment, Numerics and Theory</i>
1045 - 1115	Coffee Break			
1115 - 1145	Tilt Rotors	Wesley Appleton	MAN	<i>Aeromechanics modelling of tilt rotor aircraft</i>
1145 - 1215		Dami Adeyemi	BAT	<i>Whirl flutter modelling for active control</i>
1215 - 1245		Chris Mair	BRI	<i>Stability analysis of whirl flutter in non-linear gimbaled rotor-nacelle</i>
1245 - 1330	Lunch Break			
1330 - 1400	Design and Simulation	Thomas Fitzgibbon	GLA	<i>Assessing rotor designs based on Navier-Stokes CFD predictions</i>
1400 - 1430		Tao Zhang	GLA	<i>Toward optimisation of compound rotorcraft</i>
1430 - 1500		Ben Woods	BRI	<i>SABRE: Shape adaptive blades for rotorcraft efficiency</i>
1500 - 1530		Wajih Memon	LIV	<i>Vestibular Motion Fidelity Requirements for Helicopter-Ship Operations</i>
1530 - 1800	VLN Meeting #25	All VLN Members		<i>See separate Agenda distributed by Florent DeHaeze</i>
1900 - 2100	Evening Meal			

Tuesday 9th April

0900 - 0930	Advanced Propellers	Ross Higgins	GLA	<i>Investigation of Propeller Flutter</i>
0930 - 1000		Angel Zarev	GLA	<i>Experimental Investigation of two-bladed propeller in yaw</i>
1000 - 1030		Dale Smith	MAN	<i>Aerodynamics of a counter rotating propeller with locked blade row</i>
1030 - 1100	Coffee Break			
1100 - 1130	Propulsion Systems	Matthew Ellis	MAN	<i>Reduced-Order Modelling of Mineral Dust Deposition in Turboshift Engine Hot Sections</i>
1130 - 1200		Lewis Wiley	LEO	<i>Rotorcraft Hybrid Power Feasibility Study</i>
1200 - 1230		Yongjie Shi	GLA	<i>Helicopter rotor thickness noise control using unsteady force excitation</i>
1230 - 1300		Edward Yap	BRI	<i>Towards model development for helicopter inceptor dynamics</i>
1300 - 1330	Lunch Break			
1330 - 1800	MENTOR Meeting	All Mentor partners		<i>See separate programme distributed by George Barakos</i>