

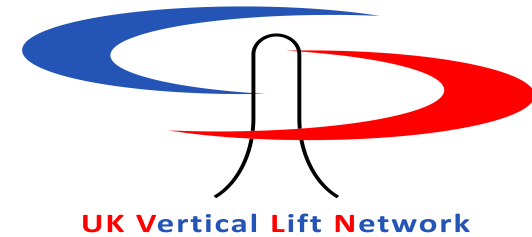
The 2nd Annual UK Vertical Lift Network Technical Workshop

Shrigley Hall Hotel, Cheshire

09-10 May 2016

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

FIN - Finmeccanica Helicopters
 LIV - University of Liverpool
 MAN - University of Manchester
 VLN - UK Vertical Lift Members



Final Programme

Monday 9th May

12.00 - 13.00	Lunch			
13.00 - 15.30	VLN Meeting		VLN	<i>VLN Meeting VLN.14</i>
15.30 - 16.00	Coffee			
16.00 - 16.15	Keynote	Antonio Filippone	MAN	<i>Introduction to the VLN Activities</i>
16.15 - 16.45	Aerodynamics 1	Dave Cleaver	BAT	<i>Unsteady Aerodynamic Loads and Their Control through Mini-tab Actuation</i>
16.45 - 17.15		Antonio Garcia	GLA	<i>Aerodynamic and Optimisation Study of Tiltrotor Blades</i>
17.15 - 17.45		Byungkwon Jung	BRI	<i>Investigating the Autorotational Performance of Scaled Samara Rotor in Forward & Vertical Flight</i>
17.45 - 18.30	Plenary / Discussion		ALL	<i>Open Questions Meeting</i>
18.30 - 20.00	Dinner			

Tuesday 10th May

08.45 - 09.00	Coffee			
09.00 - 09.30	Aerodynamics 2	Richard Green	GLA	<i>Progress with GARTEUR AG22 experimental work at Glasgow University</i>
09.30 - 10.00		Paul Mullen	FIN	<i>Rotor blade aerodynamic analysis and design</i>
10.00 - 10.30		Mark Woodgate	GLA	<i>Towards Real Time Wake Computations using Lattice Boltzmann Method for Flight Dynamics Simulations</i>
10.30 - 11.00	Coffee			
11.00 - 11.30	Dynamics / Manufacturing	Robert Dibble	BRI	<i>Helicopter rotor blade modal tuning using internal preloads</i>
11.30 - 12.00		Samuel Furtado	MAN	<i>Design and Manufacture of Composite Blades for Rotorcraft Applications</i>
12.00 - 12.30		Augustin Gaxiola	BRI	<i>Pitch link-induced beam bending-twist coupling and its use in vibration-based rotor health monitoring</i>
12.30 - 13.30	Lunch			
13.30 - 14.00	Aerodynamics 3	Xiao Liu	BRI	<i>Turbulence Budget Analysis for Serrated Airfoils</i>
14.00 - 14.30		Giulia Chirico	GLA	<i>Propeller Computational Aeroacoustic Analysis</i>
14.30 - 15.00		Dan Poole	BRI	<i>Adaptive Surrogate-Based Optimization of Vortex Generators for Tiltrotor Wings</i>
15.00 - 15.30	Coffee			
15.30 - 16.00	Flight Mechanics	Jack Stockford	CRA	<i>Aeromechanics and Rotorcraft Vehicle Design activities in the Department of Aerospace Science at Cranfield University</i>
16.00 - 16.30		Paul Scott	LIV	<i>Development of a Modelling and Simulation Environment to Support Helicopter Operations to New RN Vessels</i>
16.30 - 17.00	Open Discussion / Close		ALL	<i>Open Questions Meeting</i>