Time	Monday 4 September	Tuesday 5 September		Wednesday 6 September		Thursday 7 September		Friday 8 September	
	Joint Aeroacoustics & Noise Control (Orange)	Aeroacoustics	Noise Control	Aeroacoustics	Noise Control	Aeroacoustics	Noise Control	Aeroacoustics	Noise Control
08:30	**Registration**	**09:00 Start**		**09:00 Start**		**09:00 Start**		**09:00 Start**	
09:00	**Introduction** Alec Wilson	**3D Sound Fields** Matthew Wright		**Propagation Effects 1** Alec Wilson	**Noise Control** Phil Joseph	**Airframe Noise** David Angland	**Active Control of Structural Sound** Jordan Cheer	**Turbomachinery Tones** Alan McAlpine	**Case Studies in Noise Control** Andy Varley
09:30	**Fundamentals of Acoustics** Matthew Wright								
10:00		**Acoustic Source Models** Alec Wilson		**Propagation Effects 2** Alec Wilson	**Classical Vibration Control** Daniil Yurchenko	**Automotive Aeroacoustics** Phil Joseph	**MetaMaterials** Felix Langfeldt	**Turbomachinery Broadband** Phil Joseph	**Road Vehicle Noise Control** Simon Roberts
10:30	**Break**								
11:00	**Fundamentals of Vibration** Tim Waters	**Break**		**Break**		**Break**		**Break**	
11:30		**Acoustic measurements** Jack Lawrence		**Duct Acoustics - Fundamentals** Phil Joseph	**Vibration Control for Noise** Giacomo Squicciarini	**Propeller and Wind Turbine Noise** Chaitanya Paruchuri	**Numerical Methods for Acoustics** Rie Sugimoto	**Reactive Duct Silencer** Giacomo Squicciarini	
12:00	**Fundamentals of Signal Processing** Paul White								
12:30		**Lunch**		**Lunch**		**Lunch**		**Lunch**	
13:00	**Lunch**								
13:30		**Introduction to Aeroacoustics** Rod Self	**Free and Forced Vibration** Tim Waters	**Sources of Noise in Aeroacoustics** Alec Wilson	**Vibroacoustics** Giacomo Squicciarini	**Computational Aeroacoustics (CAA)** Jae-Wook Kim	**Active Control of Noise** Jordan Cheer	**Sound Absorption in Ducts** Alan McAlpine, Paul Murray	
14:00	**Correlation and Spectra** David Simpson								
14:30		**Human Response to Sound** Ben Lineton	**Human Response to Vibration** Ying Ye	**Jet Noise** Jack Lawrence	**Vibration Measurement** Simon Roberts	**CAA - Sources** Jae-Wook Kim	**Beamforming** Filippo Fazi	**Optional Workshop** Phil Joseph, Tim Waters, Alec Wilson, Simon Roberts	
15:00	**Structural Wave Motion** Michal Kalkowski								
15:30		**Break**		**Break**		**Break**			
16:00	**Break**	**Aeroacoustics Lab** Phil Joseph	**Demo (Sound Level Meter, Vibration)** Tim Waters	**Aeroacoustics Design Exercise** Alec Wilson	**Noise Control Lab - Pt 1** Tim Waters, Giacomo Squicciarini	**Computational Workshop** Matthew Wright	**Noise Control Lab - Pt 2** Tim Waters, Giacomo Squicciarini		
16:30									
17:00	**Sound Intensity and Power** Phil Joseph								
	17:30 Finish	**17:30 Finish**		**17:30 Finish**		**17:30 Finish**		**16:00 Finish**	

The content of this programme may be subject to change at the discretion of the ISVR