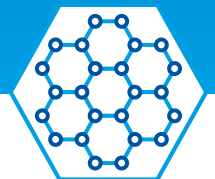




Winning the Weight Race:

Opportunities and Challenges in Lightweighting

15th to 16th May, 2019
at the AMRC Factory 2050



Day 1 – Wednesday 15th May

Time	Presentation	Company	Presenter
09:00-09:30	Registration and Coffee		
09:30-09:50	Welcome Address	AMRC	Keith Ridgway, Executive Dean
09:50-10:20	Winning the Weight Race	McLaren	Ken Smart, Executive Director for Business Strategy
10:20-10:50	Industrial Strategy and Clean Growth... a UK Perspective	Department for Business, Energy & Industrial Strategy (BEIS)	Keith Hodgkinson, Deputy Director of Manufacturing
10:50-11:10	Coffee, Networking and Exhibition		
11:10-11:30	Regional Growth, Global Opportunities	Rotherham Metropolitan Borough Council	Councillor Chris Read, Leader of the Council
11:30-12:00	Affordable & Predictable Composites – Yes, It Is Possible !	e-Xstream Engineering	Dr Sami Daouk, Business Development Manager
12:00-12:45	Lunch, Networking and Exhibition		
12:45-14:45	Tours of AMRC Lightweighting Capabilities		
14:45-15:00	Coffee, Networking and Exhibition		
15:00-15:30	Next Generation Fuel Efficient Aircraft	GKN Aerospace	Paul Perera, VP Technology
15:30-15:50	Maximising R&D, Minimising Weight Shapetex Process, Thermoplastic Processing and our Fastform Pressing Process.	Shape Machining	Peter McCool, Managing Director
15:50-16:20	Novel Superplastic Forming Diffusion Bonding Application	Group Rhodes	Mark Ridgway, Chief Executive Officer
16:20-16:40	Lightweighting Safety Critical Components for the Automotive and Rail Sectors	Tinsley Bridge	Russell Crow, Director Engineering & Development
16:40-17:00	Challenges Set by Future Advanced Airframes	BAE Systems	Austin Cook, Lead Engineer for Emerging Technologies & Systems
19:00-close	Informal Dinner		

Day 2... next page

Day 2 – Thursday 16th May

Time	Presentation	Company	Presenter
09:00-09:30	Registration and Coffee		
09:30-10:00	Powering the future: The Composite Engine?	Rolls-Royce	Alan Partridge, Head of Materials Engineering
10:00-10:20	Lightweighting – Meeting the Challenge Head On	AMRC	Colin Sirett, Chief Executive Officer
10:20-10:45	TBC	Williams Advanced Engineering/University of Strathclyde	Prof. Iain Bomphray, Group Technology Specialist for Lightweight Structures/ Director of the Lightweight Manufacturing Centre (NMIS)
10:45-11:00	Coffee, Networking and Exhibition		
11:00-11:20	A Sector Perspective Fabricating the Future of Wind Energy	ACT Blades	Niklas Meyn, R&D Engineer
11:20-11:40	Adding lightness – A Lotus lightweighting perspective	Lotus	Roger Darlington, Chief Technical Specialist - Materials and Processes
11:40-12:00	Electrical machines and the opportunities for light-weighting	University of Sheffield	Geraint Jewell
12:00-12:20	Sustainable aluminium technologies for lightweighting	Innovaltec	Mike Clinch
12:20-13:00	Lunch, Networking and Exhibition		
13:00-13:20	Next Generation Light Weight Materials Affordable Titanium for Near Net Shape Components for a Range of Aerospace, Defence and Automotive Supply Chain Companies.	University of Sheffield	Martin Jackson, Director of Aerospace Engineering
13:20-13:40	Steel: The Advanced All-round Solution in the Circular Economy	Tata Steel	Huib Simon, Head of Marketing – Engineering Sector
13:40-14:00	Coffee, Networking and Exhibition		
14:00-14:20	Lighter Weight Battery Technology	Ultimate Battery Company	Malcolm Earp, Chief Commercial Officer
14:20-14:40	Pre-preg Carbon Fibre and Other Weight Saving Technologies for Lighter Flight	Northern Aircraft	Ivan Shaw, Director
14:40-15:00	TBC	The Northern Powerhouse Partnership	Henri Murison, Director
15:00-17:00	Tours of AMRC Lightweighting Capabilities		