

November 8, 2017. The Manufacturing Technology Centre, Coventry

09:30	Welcome and introductions <i>Jonathon Shaw, MTC and Andrew Reilly, Granta</i>		
09:45	Agenda overview		
10:00	Developing your organisation's 'materials IQ' : Could your organization be more effective in how it captures, manages, and applies materials knowledge? We'll introduce five factors to think about as you improve your company's material intelligence. We'll dig into these issues more throughout the day. <i>Andrew Reilly, Granta</i>		
10:20	Rolls-Royce case study : The business case for materials information management <i>Amandeep Mhay, Rolls-Royce</i>		
10:50	Coffee		
	Stream 1: Informing materials selection and conceptual design	Stream 2: Building up your organization's material intelligence	Stream 3: Enterprise-wide material intelligence
11:20	Introductions	Introductions	Introductions
11:30	Demonstration : Using materials to innovate and evolve products. <i>Dr Charlie Bream, Granta</i>	Demonstration : From testing to design – managing the material data lifecycle. <i>John Parker, Granta</i>	Demonstration : Adoption of materials information systems and consistency in material definitions enterprise-wide. Dr Peter Cherns, Granta
11:55	Industry case study: Renishaw <i>Dr Rhodri Lewis, Renishaw</i>	Industry case study: Airbus Helicopters <i>Martin Soler, Airbus Helicopters</i>	Industry case study: Rolls-Royce <i>Amandheep Mhay, Rolls-Royce</i>
12:15	Discussion : Introducing new materials – What are the challenges? How do we avoid them?	Discussion : Barriers to effective materials data management, and how to remove them.	Discussion : What are the key requirements for materials data and tools across the company?
12:45	Lunch and networking opportunity		
13:40	Demonstration : Finding a drop-in replacement for an existing product. <i>Dr Charlie Bream, Granta</i>	Industry case study: MTC <i>Bethan Smith, MTC</i>	Demonstration : Minimising regulatory and environmental risk for materials, specifications, designs, and products. <i>Ben Meyer, Granta</i>
14:00	Discussion : Responding to supply-chain issues – how can we minimize disruption?	Demonstration : Insight, innovation, qualification for advanced applications, e.g., Additive Manufacturing, Composites. <i>Najib Baig, Granta</i> Discussion : How to ensure a robust materials information strategy for new projects and emerging technologies.	Discussion : Connecting the material and product domains: challenges and solutions.
14:30	Closing round table discussion : what were the key lessons from today?		
15:00	Formal seminar closes. Coffee and opportunity for informal discussion		