

<b>Day 1</b>	<b>Tuesday 26 June 2018</b>
10:00–10:30	Registration: foyer of the Urban Sciences Building
10:30–10.45	<b>Welcome address</b> Professor John Fitzgerald, School of Computer Science, Newcastle University
10.45–11.30	<b>Keynote 1</b> <b>IoT 4 MFG</b> Professor Thomas Kurfess, Georgia Tech
11.30–13.00	<b>Session 1: Industry perspectives on digital disruption</b> JP Sherlock (Astra Zeneca) Professor Iain Todd (MAPP) Paul Bulter (North East Automotive Alliance) Paul Hingley (Siemens) Panel session
13.00–14.00	<i>Lunch and networking, Poster Presentations</i>
14:00–15:30	<b>Session 2: Connected Everything Feasibility Studies</b> <b>Automatic Fault Detection for Selective Laser Melting using Semi-Supervised Machine Learning</b> Peter Green, University of Liverpool <b>Investigating Spoken Dialogue to Support Manufacturing Processes</b> Rob Gaizauskas, University of Sheffield <b>Brewing the Perfect Beer: Is the Internet of Things an essential ingredient?</b> Nik Watson, University of Nottingham, and Ali Zaidi, University of Leeds <b>Circular 4.0: Digital intelligence to enable a circular economy</b> Windo Hubarat, Cranfield University <b>Feasibility of capturing crafts-based knowledge in an AI System for future autonomous precision surface manufacturing</b> David Walker, University of Huddersfield

15:30–16:00	<i>Break and refreshments, Poster Presentations</i>
16:00–17:00	<p><b>Session 3: The Responsive Supply Chain</b></p> <p><b>Digitally Enabled Supply Chains</b> David Butler (NPL)</p> <p><b>Collaborative Design of Supply Networks</b> Nikolay Mehandjiev, University of Manchester</p> <p><b>Sensor City - Inside a Global Innovation Hub</b> Alison Mitchell (Sensor City)</p>
17.00	<i>Day 1 close</i>
19:00	<p><b>Conference dinner at Discovery Museum</b></p> <p>Drinks reception followed by the conference dinner</p>

All timings subject to change

<b>Day 2</b>	<b>Wednesday 27 June 2018</b>
09.30–10.15	<b>Session 4: Digital Manufacturing and the Industrial Strategy</b> Katie Daniel, EPSRC
10.15–11.30	<b>Workshop session:</b> Research challenges and the Industrial Strategy
11.30 – 11.45	<i>Break and refreshments, Poster Presentations</i>
11.45–12.45	<b>Keynote 2</b> <b>Scale-up of a reactive chemical process utilising Continuous Oscillatory Baffled Reactor (COBR) technology from laboratory to multi-ton pilot scale manufacturing</b> James Birbeck, Croda International
12.45–13.45	<i>Lunch and networking, Poster Presentations</i>
13.45–14.15	<b>Session 5: Design for future manufacturing</b> <b>The [re]Definition of Design</b> Fiona Charnley, Cranfield University <b>Resilient Trans-Disciplinary Design Engineers Platform</b> Alex Kharlamov, University of the West of England
14.15–14.45	<b>Session 6: Cybersecurity</b> <b>Assessing the Security of Smart Buildings</b> Charles Morriset, Newcastle University <b>The unexpected security consequences of cats, flaps and programming mishaps</b> Leigh Chase (IBM)
14.45–15.45	<b>Keynote 3 and Open Discussion</b> <b>Hybrid Products</b> Professor Steve Benford, University of Nottingham
15.45–16.00	<b>Closing Remarks</b> Professor Paul Watson, Newcastle University Best Paper Award, by Professor Hongnian Yu, Bournemouth University (Programme Chair)
16.00	<i>Conference Close</i>