

PROGRAMME - DAY 1

2nd NOVEMBER 2016

Day 1 will focus on two critical areas with global implications: Manufacturing of the Future and Cities of the Future. Manufacturing is about to undergo a new industrial revolution through digital technologies, while growing urbanisation presents major challenges for the world – and major opportunities for those with innovative solutions.

Main stage sessions on these leading themes will be followed by two parallel seminar

streams with industry and business experts exploring the opportunities of these future industries in more detail, whether from a national, regional or international perspective.

You can also gain powerful and practical insights into how investment in innovation works, how businesses and academia can collaborate effectively, and how regional networks and resources can foster innovation.

TIME	MAIN STAGE	STREAM ONE (SEMINAR ROOM 1): MANUFACTURING OF THE FUTURE	STREAM TWO (SEMINAR ROOM 3): CITIES OF THE FUTURE	WORKSHOP STREAM (SEMINAR ROOM 2): HOW TO
09.00	<p>OPENING ADDRESS</p> <p>Dr Ruth McKernan CBE, CEO, Innovate UK & Dr Catherine Raines FRSA MoID, Director General, International Trade & Investment, Department for International Trade</p>			
09.15	<p>MINISTERIAL ADDRESS</p>			
09.30	<p>WELCOME ADDRESS</p> <p>Professor Dame Nancy Rothwell, President, University of Manchester</p>			
09.50	<p>MANUFACTURING OF THE FUTURE</p> <p>Simon Edmonds, Director of Materials and Manufacturing, Innovate UK & Dick Elsy, CEO, High Value Manufacturing Catapult</p> <p>Attend this inspirational session to find out how manufacturing is transforming for the future, how the UK is becoming a world leader and the global opportunities for your business.</p>			

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10.25	<p>CITIES OF THE FUTURE</p> <p>Ian Meikle, Director of Infrastructure Systems, Innovate UK</p> <p>Cities are the convening point for the most complex infrastructure systems and are sparking opportunity for innovation like never before. This session will give invaluable insight into how UK businesses can thrive as the world adapts to ever increasing city living.</p>			<p>HOW TO... NAVIGATE R&D TAX AND INVESTMENT SCHEMES</p> <p>Find out how to navigate today's R&D tax and investment landscape, what schemes are out there that could benefit you and how you can make the most of them.</p>
11.00	NETWORKING BREAK			
11.30	<p>INNOVATION CLUSTERS – BEST PRACTICE FROM THE NORTHERN POWERHOUSE</p> <p>Sir Richard Leese, Leader, Manchester City Council; Catherine Johns, Innovation and Business Growth Director, Business Durham; Matt Reed, Senior Open Innovation Director, Unilever</p> <p>The importance of nurturing innovation clusters has received much global attention in recent years. Learn how clusters positively influence regional economic performance, foster innovation through dense knowledge flows and spill overs, and strengthen entrepreneurship by boosting new enterprise formation.</p>	<p>INDUSTRY 4.0 – REALISING THE POTENTIAL</p> <p>Chris Thompson, Founder, ViaDynamics</p> <p>Why is there hype around Industry 4.0 and the Fourth Industrial Revolution and what does it mean for you?</p> <p>Learn about the global opportunities that digitalisation could present and the ways in which some SMEs are already harnessing it for business benefit.</p>	<p>INNOVATION THRIVES IN DRIVE TO CREATE LIVEABLE SPACE</p> <p>With ever-increasing migration from rural to urban living, cities are finding it harder to deliver content, prosperous and productive environments for their citizens.</p> <p>With pressures mounting for city resources, find out how pioneering cities are adapting and thriving under this pressure.</p>	<p>HOW TO... GET CONNECTED</p> <p>Find out how to engage with the research base, how Catapults can help you, and how to tap into the UK's regional expertise and access international corporations.</p>
12.15	NETWORKING LUNCH			
13.30	<p>MY STORY: WHAT IT'S REALLY LIKE TO INNOVATE IN THE UK</p> <p>Neil Ricketts, CEO, Versarien Dr Alan James, Vice-President, Hyperloop</p> <p>The UK is a hot-bed for innovation. Get inspired by those taking their businesses from start-up to global brand. Hear their stories on how they got their first order, secured investment and took their businesses overseas.</p>	<p>INVESTOR SHOWCASE</p> <p>Hear how innovators across all sectors can get involved in Innovate UK's Investor Showcase programme, how the Department for International Trade can get you in front of international markets and from those companies already attracting investor attention.</p>	<p>MORE INFO COMING SOON</p>	<p>HOW TO... GO INTERNATIONAL</p> <p>Find out how to discover which export markets are right for you, how to attract foreign investment and how to prepare to go global.</p>

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14.20	<p>UK: OPEN FOR BUSINESS</p> <p>John Pelton, Programme Partner Director, CH2M</p> <p>Find out the strategies UK businesses are taking to remain globally competitive in an ever-changing economic and political landscape. From inward investment opportunities to the most exciting global markets, UK innovation is gaining global attention.</p>	<p>TACKLING THE PRODUCTIVITY GAP</p> <p>Greg Lavery, Founder, RypeOffice Colin Herron, Director, Zero Carbon Futures</p> <p>The UK must raise productivity to be competitive and this session will discuss how this could be achieved in manufacturing and materials. Hear how productivity is being increased in the automotive sector and how companies can increase non-labour productivity through innovations.</p>	<p>DELIVERING A STRONG ECONOMY - GETTING THE MARKETS RIGHT</p> <p>Adapting cutting-edge technologies in urban environments can only happen if the right business models are in place to deliver success.</p> <p>Discover the strategies that local authorities are using to set the pace on city innovation and the global opportunities that exist.</p>	<p>HOW TO... BE PITCH-TASTIC</p> <p>Attend this fast paced pitching session where the cream of our Innovation Showcase companies will be sharing their ambitions on how they want to grow their businesses.</p> <p>Find your next investment or get inspired by the best innovators in the UK.</p>
	15.00	NETWORKING BREAK	NETWORKING BREAK	NETWORKING BREAK
15.30	<p>KEYNOTE SPEAKER</p> <p>Paul Misener, VP Global Innovation Policy and Communication, Amazon</p>	<p>MATERIALS OF THE FUTURE</p> <p>With materials performance and efficiency key to all economic sectors, hear from experts about state-of-the-art developments in materials and the innovations that will be required. Find out what investors are looking for and today's most exciting propositions for international businesses.</p>	<p>IMPLEMENTING RESILIENCE IN A CITY OF THE FUTURE</p> <p>Cities are under threat like never before; from climate change impacting the dynamics of traditional supply chains to ever-present security threats. Hear how cities of the future are becoming more resilient to these threats by embracing new technologies.</p>	<p>HOW TO... THINK FUTURE</p> <p>Find out how to enhance your understanding of your market; what the Horizon tools can offer you; how to stay ahead of megatrends; and how to refine your future strategies.</p>
	16.20	<p>RETAINING THE EDGE WITH DISRUPTIVE BUSINESS MODELS</p> <p>Jeremy Silver, CEO, Digital Catapult Phil Smith, Chairman, Innovate UK Paul Misener, VP Global Innovation Policy and Communication, Amazon</p> <p>Disruptive innovation demands evolving business models. Hear from global thought-leaders on how to embed innovation into your business as well as your technology.</p>	<p>EXPANDING HORIZONS: UK MANUFACTURING CREATES ADDED VALUE</p> <p>Ian Turner, Managing Director, Juice Technology Tim Baines, Director of Advanced Services Group, Aston Business School</p> <p>To ensure that they remain globally competitive, UK manufacturers need to tap into new sources of revenue through innovative services and business models. Learn how UK companies are taking a through-life approach and how they innovate to meet customer needs.</p>	<p>THE OPPORTUNITY FOR SYSTEMS INTEGRATION</p> <p>Learn how systems integration and open data platforms are leading to optimised productivity and efficiency.</p> <p>Cities have to find new ways of working; technology is a vital enabler, but is only part of the solution.</p>
17.00	CLOSING REMARKS	CLOSING REMARKS	CLOSING REMARKS	CLOSING REMARKS

PROGRAMME - DAY 2

3rd NOVEMBER 2016

Day 2 will look at two further themes and broad opportunity areas: the first is Health in the Future. We are entering an 'age of biology', and healthcare and biosciences are being revolutionised by the application of new technologies.

The second theme on Day 2 is Technologies of the Future. A host of new technologies are emerging which have the potential to create entirely new industries – from graphene to quantum technology. Other technical advances, such as space applications, enable opportunity and innovation in many other industries. There are exciting stories to tell in all these areas.

On Day 2, main stage sessions will again be followed by two parallel seminar streams with industry and business experts, innovators and entrepreneurs, exploring these opportunities – local or global - in more detail.

Other topics explored on the day will be the evolving shape of science and innovation support in the UK, the value of diversity in innovation, and how bringing innovative products and services to market not only builds economic growth but also improves quality of life.

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09.15	<p>WELCOME ADDRESS</p> <p>Kevin Baughan, CDO, Innovate UK</p>			
09.30	<p>MINISTERIAL ADDRESS</p>			
09.50	<p>HEALTHCARE IN THE FUTURE</p> <p>Ian Campbell, Director of Health & Life Sciences, Innovate UK</p> <p>From next-generation medicine to the hospitals of the future, hear how the UK is pioneering global health and care. Hear inspirational speakers give their take on how investment in agrifood, precision medicine and wellbeing is evolving for tomorrow.</p>			

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10.25	<p>TECHNOLOGIES OF THE FUTURE</p> <p>Paul Mason, Director for Emerging and Enabling Technologies, Innovate UK</p> <p>Get inspired by the emerging technologies that have the power to create the industries of the future – from graphene to robotics, imaging and photonics. Find out how the UK is revolutionising the market to create the customers of the future.</p>			<p>HOW TO... NAVIGATE R&D TAX AND INVESTMENT SCHEMES</p> <p>Find out how to navigate today's R&D tax and investment landscape, which schemes exist that could benefit you and how.</p>
11.00	NETWORKING BREAK	NETWORKING BREAK	NETWORKING BREAK	NETWORKING BREAK
11.30	<p>THE INNOVATION LANDSCAPE: EVOLVING TO STAY COMPETITIVE</p> <p>As innovation evolves apace, so do the organisations that exist to help it thrive. Find out about the strategies Innovate UK and the Department for International Trade are taking to keep the UK at the forefront of the innovation landscape.</p>	<p>NEXT GENERATION MEDICINE: THE UK AS WORLD LEADER</p> <p>David Venables, CEO, Synpromics Helen Lee, President and CEO, Diagnostics for the Real World</p> <p>The UK is at the forefront of next generation medicine and is creating a powerful infrastructure for the development and adoption of cell and gene therapies and technologies. Hear from industry and public sector experts about their vision of the future.</p>	<p>THE FUTURE CUSTOMER: DIGITAL TECHNOLOGIES SPARK THE DEMANDS OF TOMORROW</p> <p>Irene Lopez deVallejo, Director of Research and Development, Digital Catapult</p> <p>A detailed look at how digital technologies will unlock new potential in user experience for the customers of the future. Hear from leading experts and discover how the advancements in digital tech, design and data will enrich all our lives.</p>	<p>HOW TO... SCALE YOUR BUSINESS</p> <p>Experts will address the challenges of scaling up a high growth, innovative business. Gain insight from real world experience on how to approach the right markets, identify and recruit talent, access finance and develop the leadership capabilities essential to delivering ambitious growth</p>
12.15	NETWORKING LUNCH	NETWORKING LUNCH	NETWORKING LUNCH	NETWORKING LUNCH
13.30	<p>INNOVATION CLUSTERS – BEST PRACTICE FROM THE NORTHERN POWERHOUSE</p> <p>Juergen Maier, Chief Executive, Siemens Rowena Burns, Chief Executive, Manchester Science Partnerships</p> <p>The importance of nurturing innovation clusters has received much global attention in recent years. Learn how clusters positively influence regional economic performance, foster innovation through dense knowledge flows and spill overs, and strengthen entrepreneurship by boosting new enterprise formation.</p>	<p>HEALTHCARE OF THE FUTURE</p> <p>Find out how emerging and enabling technologies are contributing to delivering better healthcare services across the UK and beyond to minimise costs, improve diagnosis, reduce risk and support the self-management of health and wellbeing.</p>	<p>EMERGING TECHNOLOGIES REVOLUTIONISING INNOVATION</p> <p>Find out how exciting, emerging technologies are opening up business avenues and may one day revolutionise people's lives; from the development of graphene in Manchester to advances in quantum and imaging technology.</p>	<p>HOW TO... GO INTERNATIONAL</p> <p>Find out how to discover which export markets are right for you, how to attract foreign investment and how to prepare to go global.</p>

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14.20	<p>RESEARCH IS GREAT: COLLABORATIONS TAKING THE WORLD BY STORM</p> <p>Discover how UK innovators are tapping into our world-class research capability and forging collaborations that are garnering international attention. This must-attend session will give real insight into the innovations of tomorrow.</p>	<p>INVESTMENT OPPORTUNITIES IN AGRICULTURAL INNOVATION</p> <p>Professor Janet Bainbridge, CEO, Agricultural Technology Organisation, Department for International Trade</p> <p>Learn about investment opportunities across the food chain, how to work with Innovate UK and how the UK is competing globally. Hear how technological advances, increases in agricultural productivity and developments in nutrition, provenance, and safety are improving food quality and sustainability.</p>	<p>REALISING POTENTIAL: ENABLING CAPABILITIES TO CREATE GLOBAL OPPORTUNITIES</p> <p>New material advancements in compound semiconductors, sensors and photonics are creating new market opportunities, whilst advances in high performance computing and machine learning are releasing new potential for business.</p> <p>Discover the opportunities for your business.</p>	<p>HOW TO... GET CONNECTED</p> <p>Find out how to engage with the research base, how Catapults can help you, and how to tap into the UK's regional expertise and access international corporations.</p>
15.00	NETWORKING BREAK	NETWORKING BREAK	NETWORKING BREAK	NETWORKING BREAK
15.30	<p>DIVERSITY DISRUPTS: NOT TAKING THE EASY PATH</p> <p>Diverse teams result in disruptive innovation, but nurturing ideas from everyone is not always easy. Hear from those overcoming their own challenges and taking a proactive approach to diversity. Get inspired by the very real benefits of fostering an inclusive team.</p>	<p>MORE INFO COMING SOON</p>	<p>PUSHING THE BOUNDARIES: ADVANCEMENTS IN THE SPACE SECTOR</p> <p>The Catapult Centre and the UK Space Agency are working to deliver advancements through UK companies. Hear from sector experts about how the UK is collaborating to succeed in the areas of satellite applications, earth observation and imaging technologies.</p>	<p>HOW TO... GET FUNDING</p> <p>Find out how to secure private investment, how Innovate UK can help you innovate, what new investment sources are hitting the market place, and how to perfect your pitch.</p>
16.20	<p>INNOVATION IMPROVES QUALITY OF LIFE</p> <p>Great innovation not only results in economic success but changes lives for the better. This thought-provoking session will inspire you to think differently, keep an open mind and create a business that really makes an impact.</p>	<p>HARNESSING SECTOR DIVERSITY TO SUPPORT COMMUNITY WELLBEING</p> <p>Collaboration, diversity and learning are key to innovation. This session will explore learning from independent living programmes and consider cross-sectoral thinking to improve wellbeing. What technologies are transferable and how can they be harnessed to deliver and support better quality of life and future communities?</p>	<p>THE UK POTENTIAL FOR ROBOTICS</p> <p>Advancements in robotics and autonomous systems have produced gains in the manufacturing sector and progression into the consumer space, delivering new services and offerings.</p> <p>Access this market and find out how you can be part of the UK's prominence.</p>	<p>HOW TO... MARKET YOURSELF</p> <p>Discover where your audiences are and find out how to optimise your online presence, how to make sure your pitch hits the perfect note, and how to harness the power of social media.</p>
17.00	CLOSING REMARKS	CLOSING REMARKS	CLOSING REMARKS	CLOSING REMARKS