



PROGRAMME - DAY 1

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.

DAY 1 - AGENDA

2nd NOVEMBER 2016

TIME	MAIN STAGE
09.00	OPENING ADDRESS Dr Ruth McKernan CBE, CEO, Innovate UK & Dr Catherine Raines FRSA MoID, Director General, International Trade & Investment, Department for International Trade
09.15	MINISTERIAL ADDRESS
09.30	WELCOME ADDRESS Professor Dame Nancy Rothwell, President, University of Manchester
09.50	MANUFACTURING OF THE FUTURE 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.

DAY 1 - AGENDA

2nd NOVEMBER 2016

TIME	MAIN STAGE	STREAM ONE (SEMINAR ROOM 1): MANUFACTURING OF THE FUTURE
10.25	<p>CITIES OF THE FUTURE</p> <p>Cities are the convening point for the most complex infrastructure systems and are sparking opportunity for innovation like never before. This future-looking session will give invaluable insight into how UK businesses can thrive as the world adapts to ever increasing city living.</p>	
11.00	NETWORKING BREAK	NETWORKING BREAK
11.30	<p>INNOVATION CLUSTERS – BEST PRACTICE FROM THE NORTHERN POWERHOUSE</p> <p>The importance of nurturing innovation clusters has received much global attention in recent years. With case studies from the Northern Powerhouse, this session will focus on how clusters positively influence regional economic performance. It will explore how strong clusters foster innovation through dense knowledge flows and spillovers as well as how they strengthen entrepreneurship by boosting new enterprise formation and start-up survival, enhancing productivity and employment.</p>	<p>INDUSTRY 4.0 – REALISING THE POTENTIAL</p> <p>Why is there hype around Industry 4.0 and the Fourth Industrial Revolution – and crucially, what does it mean for you? Find out about the impact this could have on manufacturing through robotics and automation; data analysis; modelling and simulation; visualisation; enhanced connectivity; and business models. This seminar will examine the major global opportunities that digitalisation could present and showcase ways in which some SMEs are already harnessing it for business benefit. It will also discuss major considerations such as trust, security and data ownership.</p>
12.15	NETWORKING LUNCH	NETWORKING LUNCH
13.30	<p>MY STORY: WHAT IT'S REALLY LIKE TO INNOVATE IN THE UK</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>

DAY 1 - AGENDA

2nd NOVEMBER 2016

TIME	STREAM TWO (SEMINAR ROOM 3): CITIES OF THE FUTURE	WORKSHOP STREAM (SEMINAR ROOM 2): HOW TO
10.25		<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. Find out what schemes are out there that could benefit you and how you can make the most of them.</p>
11.00	NETWORKING BREAK	NETWORKING BREAK
11.30	<p>INNOVATION THRIVES IN DRIVE TO CREATE LIVEABLE SPACE</p> <p>With an ever-increasing migration rate from rural to urban living around the globe, cities both new and old are finding it harder to deliver content, prosperous and productive environments for their citizens. With pressures mounting for city resources, recreational space is at a premium and infrastructure is at breaking point - creating a wealth of opportunity for innovators. 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 a 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	NETWORKING LUNCH
13.30	MORE INFO COMING SOON	<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>

DAY 1 - AGENDA

2nd NOVEMBER 2016

TIME	MAIN STAGE	STREAM ONE (SEMINAR ROOM 1): MANUFACTURING OF THE FUTURE
14.20	<p>UK: OPEN FOR BUSINESS</p> <p>Find out the strategies UK businesses are using 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>The UK must raise productivity to be competitive. This seminar will look at the various ways in which 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 in resource and energy-efficiency.</p>
15.00	NETWORKING BREAK	NETWORKING BREAK
15.30	<p>KEYNOTE SPEAKER</p>	<p>MATERIALS OF THE FUTURE</p> <p>Manchester is the home of graphene and the new Sir Henry Royce Centre on Advanced Materials – putting the UK market at the forefront of global innovation. With materials performance and efficiency key to all economic sectors, hear from experts about state-of-the-art developments in materials and the materials innovations that will be required by key sectors. Find out what investors are looking for and today's most exciting propositions for international businesses.</p>
16.20	<p>RETAINING THE EDGE WITH DISRUPTIVE BUSINESS MODELS</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>To be competitive in the global economy and ensure their place at the top of the value chain, UK manufacturers need to tap into new sources of revenue beyond the factory gates through new services and business models. Find out how UK companies are taking a through-life approach and how they innovate to meet evolving customer needs through developments in servitisation and customisation.</p>
17.00	CLOSING REMARKS	CLOSING REMARKS

DAY 1 - AGENDA

2nd NOVEMBER 2016

TIME	STREAM TWO (SEMINAR ROOM 3): CITIES OF THE FUTURE	WORKSHOP STREAM (SEMINAR ROOM 2): HOW TO
14.20	<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. Find out the strategies that Local Authorities are using to set the pace on city innovation and the global collaboration opportunities that exist to embed the very latest innovations.</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 as they try to grab attention from the partners that can take their businesses to the next level.</p>
15.00	NETWORKING BREAK	NETWORKING BREAK
15.30	<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 vulnerabilities on our transport infrastructure, to rising sea-levels and flooding; as well as ever-present security threats. Cities of the future are learning to become more resilient to these threats by embracing new technologies. This session will explore where these technologies are having an impact on urban resilience.</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>THE OPPORTUNITY FOR SYSTEMS INTEGRATION</p> <p>This stream will look at how systems integration and open data platforms are leading to optimised productivity and efficiency. Cities have to find new ways of working, and technology is a vital enabler, but there are many technological solutions based on varying business models and, without prior experience, it is very difficult to know which is the most appropriate solution to adopt. Moreover, technology is only part of the solution; the rest is about how city authorities organise, operate and engage.</p>	<p>HOW TO... HANDLE IP</p> <p>Find out what you need to know before you go international and how to protect your IP.</p>
17.00	CLOSING REMARKS	CLOSING REMARKS

PROGRAMME - DAY 2

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.

DAY 2 - AGENDA

3rd NOVEMBER 2016

TIME	MAIN STAGE
09.15	WELCOME ADDRESS
09.30	MINISTERIAL ADDRESS
09.50	<p>HEALTHCARE IN THE FUTURE</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>

DAY 2 - AGENDA

3rd NOVEMBER 2016

TIME	MAIN STAGE	STREAM ONE (SEMINAR ROOM 1): HEALTH IN THE FUTURE
10.25	<p>TECHNOLOGIES OF THE FUTURE</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 creating the customer of the future by truly revolutionising the markets of tomorrow.</p>	
11.00	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 using to keep the UK at the forefront of the innovation landscape.</p>	<p>NEXT GENERATION MEDICINE: THE UK AS WORLD LEADER</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 that will allow early disease detection and treatment selection. Hear from experts in industry and the public sector about their vision of the future.</p>
12.15	NETWORKING LUNCH	NETWORKING LUNCH
13.30	<p>INNOVATION CLUSTERS – BEST PRACTICE FROM THE NORTHERN POWERHOUSE</p> <p>The importance of nurturing innovation clusters has received much global attention in recent years. With case studies from the Northern Powerhouse, this session will focus on how clusters positively influence regional economic performance. It will explore how strong clusters foster innovation through dense knowledge flows and spillovers. As well as how they strengthen entrepreneurship by boosting new enterprise formation and start-up survival, enhancing productivity and employment.</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>

DAY 2 - AGENDA

3rd NOVEMBER 2016

TIME	STREAM TWO (SEMINAR ROOM 3): TECHNOLOGIES OF THE FUTURE	WORKSHOP STREAM (SEMINAR ROOM 2): HOW TO
10.25		<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. Find out what schemes are out there that could benefit you and how you can make the most of them.</p>
11.00	NETWORKING BREAK	NETWORKING BREAK
11.30	<p>THE FUTURE CUSTOMER: DIGITAL TECHNOLOGIES SPARK THE DEMANDS OF TOMORROW</p> <p>This session will look at how digital technologies will unlock new potential in user experience for the customers of the future. Hear from leading experts to discover how the advancements in digital tech, design and data will enrich all our lives.</p>	<p>HOW TO... SCALE YOUR BUSINESS</p> <p>Find out how to structure a business model that works for you, make the transition from innovator to CEO and put team structures in place that work.</p>
12.15	NETWORKING LUNCH	NETWORKING LUNCH
13.30	<p>EMERGING TECHNOLOGIES REVOLUTIONISING INNOVATION</p> <p>The UK continues to see the creation and evolution of many new and exciting technologies. Find out how these 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 developments in 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>

DAY 2 - AGENDA

3rd NOVEMBER 2016

TIME	MAIN STAGE	STREAM ONE (SEMINAR ROOM 1): HEALTH IN THE FUTURE
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>The UK is at the forefront of agricultural innovation with the opportunity to increase the pace and scale of technology uptake from around the world. With a strong focus on robotics and photonics, as well as the development of more nutritious foods, find out the latest investment opportunities and how the country is competing on a global scale.</p>
15.00	NETWORKING BREAK	NETWORKING BREAK
15.30	<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>	
16.20	<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 taking a proactive approach to diversity, those who've had to overcome their own challenges and get inspired by the very real benefits of fostering an inclusive team.</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>
17.00	CLOSING REMARKS	CLOSING REMARKS

DAY 2 - AGENDA

3rd NOVEMBER 2016

TIME	STREAM TWO (SEMINAR ROOM 3): TECHNOLOGIES OF THE FUTURE	WORKSHOP STREAM (SEMINAR ROOM 2): HOW TO
14.20	<p>REALISING POTENTIAL: ENABLING CAPABILITIES TO CREATE GLOBAL OPPORTUNITIES</p> <p>This session highlights some of the key capabilities and technologies that help underpin UK business and set our place on the global market. 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. 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
15.30	<p>PUSHING THE BOUNDARIES: ADVANCEMENTS IN THE SPACE SECTOR</p> <p>The UK has a strong heritage of satellites in the space sector. The Catapult Centre and the UK Space Agency are working with the European Space Agency 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>THE UK POTENTIAL FOR ROBOTICS</p> <p>With advancements in Robotics and Autonomous Systems we have seen gains in the manufacturing sector and progression into the consumer space. Areas such as assistive robotics and unmanned systems are developing to deliver new services and offerings. Access this market early and find out how you can be part of the UK's prominence in this space.</p>	<p>HOW TO... MARKET YOURSELF</p> <p>Find out how to optimise your online presence and the power of social media; make sure your pitch hits the perfect note and discover where your audiences are.</p>
17.00	CLOSING REMARKS	CLOSING REMARKS