

**PMG Industry 4.0 Conference & Exhibition:  
11:45am-5:00pm Thursday 14th July at  
Future Inn, William Prance Road, Plymouth PL6 5ZD**

**Chairman & Guest Presenters**



**Bill Murphy**  
Chairman  
Plymouth  
Manufacturers' Group  
or 'PMG'



**Peter Marsh**  
Author

*The New Manufacturing  
Era: Global  
Opportunities*



**Alan Norbury,**  
Central Technology  
Officer,  
Siemens UK plc.

*Industry 4.0 –  
Vision to Reality*



**Simon Fabri,**  
Engineering Director  
Schneider Electric

*Internet of Things meets  
Consumer Products  
meets Big Data.*



**Dr Michele Nati**  
Lead Technologist  
Personal Data and Trust  
*The Digital Catapult  
Opportunities for Digital  
Innovation in Advanced  
Manufacturing*



**Andy Haly**  
Director  
Applied Automation

*Collaborative robots are  
within your reach*



**Jon Meyer**  
Head of Additive  
Manufacturing, Airbus  
Group Innovations

*Additive Manufacturing  
in Airbus*



**Patrick O'Connell**  
Managing Director  
Bandvulc Group

*What servitization  
means to Bandvulc  
Group*

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Guest Speakers	Topics
<b>Opening remarks by Peter Marsh</b> Author, <i>“The New Industrial Revolution: Consumers, Globalization and the End of Mass Production”</i>	<b>The New Manufacturing Era: Global Opportunities</b>
<i>Staying ahead of competitors means that manufacturers need to embrace a lot of things beyond simply the idea of more digital linkages. It also includes: technology blending; global links – China key but look at localisation; think thin – niches and customising; environmental protection a positive and service connections.</i>	
<b>Alan Norbury,</b> <b>Central Technology Officer,</b> <b>Siemens UK plc.</b>	<b>Industry 4.0 – Vision to Reality</b>
<i>The UK must invest in digital and smart factories, not least because the concept of Industry 4.0 plays to our strengths and tackles many of the complex production and consumption challenges we face today. Such investment could boost productivity by up to 30 per cent. Alan Norbury provides an introduction and an overview to the broad concept of Industry 4.0.</i>	
<b>Simon Fabri,</b> <b>Engineering Director</b> <b>Schneider Electric</b>	<b>Internet of Things meets Consumer Products meets Big Data.</b>
<i>Simon leads the product creation function at Schneider Electric's Residential Control business, where they are creating a range of smart home control products. Applying a philosophy of user-led product design and development, they are designing transformative connected heating products. Simon brings together scrum teams consisting of specialists in electronics, mechanical design, industrial design and embedded software, mobile apps, user experience, cloud platforms and big data.</i>	
<b>Dr Michele Nati</b> <b>Lead Technologist Personal Data and Trust</b> <b>The Digital Catapult</b>	<b>Opportunities for Digital Innovation in Advanced Manufacturing</b>
<i>Advanced Manufacturing offers new opportunities for digital transformation, ranging from the need of connecting more devices, processing more open, closed and personal data, while creating more control on product and production process. This requires a continuous flow of open innovation and experimentation. The presentation will focus on how Digital Catapult can assist in this innovation process, by identifying and providing means to address all the challenges that this process will bring to the whole data value chain.</i>	
<b>Coffee/tea break &amp; Networking</b>	
<b>My colleague, the robot - video</b> Murad Ahmed explores how collaborative robots are being used in agriculture and manufacturing, and asks whether these machines will assist workers on the factory floor, or one day replace them? ft.com	
<b>Andy Haly</b> <b>Director, Applied Automation (UK) Ltd</b>	<b>Collaborative robots are within your reach</b>
<i>Earlier this year, Applied Automation announced a new partnership with Danish manufacturer Universal Robots. The control and automation specialist has become a UK distributor for the Universal Robots robotic arms that are changing the face of robot technology. Andy Haly, Sales Director of Applied Automation explains why there is a lot of excitement in the industry about these ‘cobots’.</i>	
<b>Jon Meyer</b> <b>Head of Additive Manufacturing,</b> <b>Airbus Group Innovations</b>	<b>Additive Manufacturing in Airbus</b>
<i>3D printing is rapidly finding its way out of the R&amp;D laboratory, and into mainstream manufacturing. In short, producing real components for real products, sold to real customers. For proof, look no further than the Paris Air Show last year, where Airbus proudly showed off its brand-new Airbus A350 XWB passenger jet, which contains more 3D printed components than any other aircraft currently flying – about 1,000 in all. And aerospace, it turns out, is an ideal application for 3D-printed parts, offering a way to dramatically cut lengthy supply chains, while simultaneously producing parts that are cheaper and lighter than components that have been formed from traditional manufacturing processes.</i>	
<b>What is servitization and why are companies around the world adopting this business model transformation?</b> Video published by the Aston Business School	
<b>Patrick O'Connell</b> <b>Managing Director</b> <b>Bandvulc Group</b>	<b>What the servitization business model means to Bandvulc Group</b>
<i>Until very recently, the largest independent UK truck tyre retreader, now a wholly-owned subsidiary of Continental UK Group Holdings Ltd, Bandvulc has been keeping British and European trucks on the move for more than 40 years. We operate a number of businesses that provide a single solution for our customers, bespoke for their needs. Within the Bandvulc Group we can supply a retread via Bandvulc Tyres with rubber mixed in its own company BV Mixing, a fleet management solution via Bandvulc Plus+ and a new tyre offering via its tyre wholesale division BVF1rst. Bandvulc Group also owns a tyre service provider, Tyre Maintenance Ltd, covering the UK.</i>	