

ACTIVITY



Delegate Registration – Exhibition Opens



**OPENING CEREMONY – WELCOME TO WALES TECH WEEK**  
**Rt Hon Mark Drakeford MS, First Minister for Wales opens Wales Tech Week**

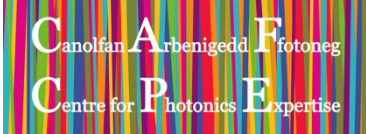

09:00 - 09.45

**Premier Stage**

In this opening keynote interview to kick-off Wales Tech Week 2021, Aled Miles, president and CEO of Sauce Labs and Welsh Government Envoy to the United States, is joined by Steve Hasker, president and CEO of Thomson Reuters for an in-depth discussion about the growing importance of user experience, the role of AI and machine learning in the data-driven enterprise, and why data is almost an asset on the balance sheet. He shares insights on the importance of digital fluency for modern business leaders. The Wales-Native Miles and Australia-native Hasker also share their thoughts on how Wales can follow in Australia's footsteps in raising its business and technology profile on the global stage.

| Main Stage   | Wynne-Jones IP Smart Stage  | Pillar Stage   | Green Stage  | CSconnected Cluster Stage  | Showcase Stage   |
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| <b>MEDTECH</b>   | <b>AM: SMART RECOVERY<br/>PM: SMART ASSISTED LIVING</b>   | <b>WORKING WITH ACADEMIA</b>   | <b>DRIVING THE ELECTRIC REVOLUTION</b>   | <b>PHOTONICS</b>   |  |
| <p><b>10:00 - 11.30</b><br/> <b>Opportunity for Photonics in Healthcare and taking precision medicine into clinical practice.</b><br/>                     Hear from leading experts on Photonics in Healthcare, and the revolution that precision medicine offers in developing new ways to tackle bowel cancer.<br/> <i>Speakers:</i><br/> <i>Ifan Evans, Welsh Government</i><br/> <i>Dr Andrew Rickman OBE – Rockley Photonics</i><br/> <i>Richard Lawrence, Creo Medical</i><br/> <i>Professor Dean Harris, CanSense</i><br/> <i>Professor Jared Torkington National Robotics Assited Surgery Programme,</i></p> <p><b>12:30 - 13:30</b><br/> <b>Network Session: MedTech</b></p> | <p><b>10:30 - 11:30</b><br/> <b>SMART RECOVERY: PwC The recipe for success - what are the ingredients for Wales' recovery?</b><br/>                     This event will discuss what skills businesses and Wales need to show we are a tech enabled nation</p>  <p><i>Speakers:</i><br/> <i>Rob McCargow, PwC UK</i><br/> <i>Louise Harris, TramshedTech</i><br/> <i>Robert Norris, Dwr Cymru</i><br/> <i>Chloe Seaton, PwC</i></p> <p><b>12:30 - 13:30</b><br/> <b>Network Session: Smart Theme</b></p> <p><b>14:00 - 15:30</b><br/> <b>SMART ASSISSTED LIVING: Smart Energy GB:</b></p> | <p><b>10:15 - 11:15</b><br/> <b>Dr Ben Calvert, University of South Wales</b></p> <p><b>CEMET: Supporting Welsh Start-ups with Academic Research and Knowledge Exchange</b><br/>                     Join CEMET for a talk on how academic research undertaken at the University of South Wales, in fields such as Artificial Intelligence and Mixed Reality, is being shared with Welsh Start-Ups to create Emerging Technology products.<br/> <i>Speakers:</i><br/> <i>Dr Ben Calvert, University of South Wales</i><br/> <i>Matthew Smith, CEMET</i><br/> <i>Clayton Jones, CEMET</i></p> <p><b>12:15 - 13:00</b><br/> <b>BT LABS: BT's Research and Academic Collaboration</b></p> | <p><b>10:30 - 12:00</b><br/> <b>The International Vision for DER</b><br/>                     A Keynote and panel discussion on the International Vision for DER, highlighting the Driving the Electric Revolution Industrialisation Centres, their capabilities and how they can help numerous sectors including transport and energy, to utilise the UK's strength in PEMD technologies.<br/> <i>Speakers:</i><br/> <i>Will Drury, Driving the Electric Revolution</i><br/> <i>Amar Abid-Ali, CSA Catapult</i><br/> <i>Dave OudeNijeweme, Advanced Propulsion Centre</i><br/> <i>Martin McHugh, CSA Catapult</i><br/> <i>Dr Simon Hart, YASA</i><br/> <i>Darryn Quayle, British Government</i></p> <p><b>12:15 – 13:15</b><br/> <b>Network Session: Driving the Electric Revolution</b></p> <p><b>13:30 - 14:30</b><br/> <b>Delivering PEMD Excellence</b></p> | <p><b>10:00 - 11:00</b><br/> <b>Spotlight on Photonics: introducing Photonics Connected</b><br/>                     Photonics, and its various application areas, is an exciting and rapidly changing market, where new products, technologies, and applications are continuously being introduced. Wales has a really active and vibrant community of companies and academic expertise covering all aspects of the supply chain. Join us for this Spotlight session where we hear from John Lincoln (Photonics Leadership Group) about the current UK Landscape followed by our panel session to kick off Photonics Connected and discuss where Wales fits within this landscape and the opportunities for growth.<br/> <i>Speakers:</i><br/> <i>Dr Louise Jones, KTN</i><br/> <i>Dr John Lincoln, Photonics Leadership Group</i><br/> <i>Avril Lewis MBE,</i></p> | <p><b>11:45 - 12:30</b><br/> <b>Submarines and avocadoes - How Open University tech innovation is touching our daily lives</b><br/>                     The Open University (OU) has long been known as a leader in distance learning for more than five decades. From its earliest days it has pioneered new methods of delivering learning – from late night BBC television broadcasts, to the online learning it offers today.<br/>                     But few people would associate the OU with submarines, scotch whiskey, batteries or avocadoes. Many of the technologies developed by The Open University have been adopted across different sectors across Wales and beyond. The Open University's Rhys Griffiths is joined by Geraint Morgan and Sathesh Krishnamurthy to discuss how these innovations are making our lives greener, healthier and safer.</p>  <p><i>Speakers:</i><br/> <i>Rhys Griffiths, The Open University</i><br/> <i>Geraint Morgan, The Open University</i></p> |

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| <p><b>13:45 - 14:45</b><br/> <b>Translational Neurosciences Cluster: Developing more effective treatments for people with neurological and mental health disorders</b><br/>         Translational Neuroscience: an area in which Wales' reputation is internationally recognised, with a growing academic and industry cluster.<br/> <i>Speakers:</i><br/> <i>Professor Julie Williams, Cardiff University</i><br/> <i>Professor Vincent Dion, Gene therapies in dementia</i><br/> <i>Rupert Jones, Renishaw</i><br/> <i>Robin Davies, Magstim</i><br/> <i>Professor Jeremy Hall, Translational Neurosciences and Mental Health Cluster</i></p> <p><b>15:15 - 16:15</b><br/> <b>Harnessing the potential of genomics and diagnostics to improve health, wellbeing, and prosperity</b><br/>         New genetic and genomic technologies are allowing us to develop a much more detailed understanding of the link between our genes and health.<br/> <i>Speakers:</i><br/> <i>Professor Steve Conlan</i><br/> <i>Dr James Abbey</i><br/> <i>Stephanie Wilbraham</i><br/> <i>Dr Corinne Squire</i></p> | <p><b>Harnessing smart data for independent lives</b><br/>         This session will examine how energy data, machine learning and connected technologies can help people with health vulnerabilities live more independent lives.<br/>         Highlighting research which shows how the smart meter rollout can support telehealth solutions in every home in Wales, the event will also explore the potential for other assisted living technologies to help people live independently at home for longer, while giving peace of mind to carers and healthcare professionals.<br/> <i>Speakers:</i><br/> <i>Fflur Lawton, SMART Energy GB</i><br/> <i>Jon Paxman, 2020health</i><br/> <i>John Griffiths, Safehouse Technology</i><br/> <i>Simon Elam, UCL Energy Institute</i><br/> <i>Louise Rogerson, Howz</i></p> | <p>An overview of how and why BT does research, including the company's long history of innovation, how it collaborates with academia and current hot topic research challenges.<br/> <i>Speakers:</i><br/> <i>Carol Fletcher, Anasol</i><br/> <i>Peña-Rios</i></p> <p><b>13:45 - 14:30</b><br/> <b>Pre-recorded Session</b></p> | <p>A showcase of world class companies implementing the latest PEMD technologies to solve industrial challenges across multiple sector<br/> <i>Speakers:</i><br/> <i>Dr Graham Bruce, Rolls Royce</i><br/> <i>Jonathan Holman-White, Control Techniques Ltd</i></p> <p><b>15:00 - 16:00</b><br/> <b>Opportunities in Wales for DER</b><br/>         Wales is well positioned to take full advantage of the electric revolution. In this session we will explore some of the strengths and opportunities that are available in the region.<br/> <i>Speakers:</i><br/> <i>Robert Harper, Compound Semiconductor Centre</i><br/> <i>Mike Jennings, Swansea University</i></p> | <p><i>Technology Connected</i><br/> <i>Professor Caroline Gray, Glyndŵr Innovations Ltd</i></p> <p><b>11.45 - 12:45</b><br/> <b>CPE: Photonics in Action: How to keep growing and innovating</b><br/>         This session discusses the relevance of light-based technologies in the real world of industry and explains how CPE works with businesses across Wales to boost productivity and growth.<br/> <i>Speakers:</i><br/> <i>Carole Eccles, CPE</i><br/> <i>Hazel Hung, CPE</i><br/> <i>Tom Johnson, CPE</i><br/> <i>Jon Mowat, Spectrum Technologies</i><br/> <i>Jon Davies, Spectrum Technologies</i><br/> <i>Tony Davies, USW</i><br/> <i>Huw Parry, Steam Bio</i><br/> <i>Mike Walker, CPE</i></p> <p><b>14:00 - 15:30</b><br/> <b>COINNOVATE: Photonics: Regional Capabilities, Global Markets</b><br/>         Join us in this session as we breakdown the market sectors and drivers of growth, followed by an overview of the European and regional priorities and activities in this field that is touching every aspects of our lives, from information and communications through to healthcare, manufacturing and 3D sensing.<br/> <i>Speakers:</i><br/> <i>Chris Meadows, CSconnected</i><br/> <i>Pars Mukish, Yole Développement</i><br/> <i>Professor Michael Wale, University College London</i><br/> <i>Professor Wyn Meredith, Compound Semiconductor Centre</i></p> | <p><i>Satheesh Krishnamurthy, The Open University</i></p> <p><b>12:45 - 13:45</b><br/> <b>Swansea University: How academic research addresses real-world, industry challenges</b><br/>         An overview of the human-centred AI research centre; and a panel discussion with industry collaborators such as Starling Bank, Aneurin Bevan University Health Board, Tata Steel, Ordnance Survey and CDSM Interactive Solutions.</p> <div style="text-align: center;">  <p><b>Swansea University</b><br/> <b>Prifysgol Abertawe</b></p> </div> <p><i>Speakers:</i><br/> <i>Tashi Gyaltzen, Swansea Uni</i><br/> <i>John Frankish, Aneurin Bevan</i><br/> <i>David Sullivan, Starling Bank</i><br/> <i>Darren Wallace, CDSM</i><br/> <i>Dr Laura Baker, Tata Steel</i><br/> <i>Isabel Sargent, Ordnance Survey</i></p> <p><b>14:00 - 14:45</b><br/> <b>AberInnovation and Aberystwyth University: An Introduction to Research and Innovation at Aberystwyth University</b></p> <div style="text-align: center;">  <p><b>ArloesiAber</b><br/> <b>AberInnovation</b></p> </div> <p><i>Speakers:</i><br/> <i>Helen Jones, Aberystwyth University</i><br/> <i>Dr Otar Akanyeti, Aberystwyth University</i><br/> <i>Dr David Bryant, Aberystwyth University/BEACON</i></p> <p><b>15:00 - 15:45</b><br/> <b>CPE: Driving Zero Emissions at Sea</b><br/>         CPE invites Grafmarine to tell us how they are making waves in the renewable marine energy sector.</p> |
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|  |  |  |  | <p><i>Sarah Zhang, Costain<br/>Howard Rupprecht, Rockley<br/>Photonics<br/>Mark Lewis, Welsh<br/>Government</i></p> |  <p><i>Speakers:<br/>Carole Eccles, Photonics Expertise<br/>Martin Leigh, Grafmarine Ltd<br/>Mike Walker, CPE<br/>Hazel Hung, CPE</i></p> <p><b>16:00 - 16:45</b><br/><b>Wynne-Jones IP: Introduction to Intellectual Property: SMART Healthcare</b><br/>In this event, Dr Elliott Davies will take you through the IP basics. What's a patent? Do you have a registerable design? He'll give you real-life examples and help you gain a better understanding of which intellectual property rights might apply to your ideas.</p>  <p><i>Speakers:<br/>Dr Elliott Davies, Wynne-Jones IP</i></p> |
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**18:00 – 19:30**  
**Premier Stage**

**GLOBALWELSH PRESENTS... AN AUDIENCE WITH INFLUENTIAL WELSH LEADERS**



An audience with: Influential Welsh Leaders provides the opportunity to listen to Wales' top leaders representing technology, manufacturing, health as well as learning about their careers and how their organisations are innovating with the times.

Join host Sarah Sands, former editor of Radio 4's Today Programme and London Evening Standard and a stellar panel of Welsh leaders Warren East CBE, CEO of Rolls Royce, Andrew Williams, CEO of Halma plc, Lyndon Faulker, Executive Chairman of Pelican Products, and Trudy Norris-Grey, Chair of WISE and formerly held positions at Microsoft, Oracle, Sun Microsystems, BT and AXA