

Sustainable composites: The future Programme

A virtual event jointly hosted by the Bristol Composites Institute, Cabot Institute for the Environment and the National Composites Centre

Day 1 – Monday 29 June, 12.45pm-2.45pm: Introduction to Sustainability and Composites	
12.45 - 12.55	Professor Hugh Brady, Vice Chancellor, University of Bristol – Introduction to the University and welcome address
12.55 - 13.15	Professor Steve Eichhorn, Bristol Composites Institute – Sustainable composite materials: what are some of the challenges?
13.15 - 13.45	Professor Tony Ryan, University of Sheffield and Grantham Institute – What’s so great about fossils and could we make new ones?
13.45 - 14.15	Professor Callum Hill, JCH Industrial Ecology Ltd – Meeting the need for product-specific LCAs for composites – lessons learnt from the DACOMAT
14.15 - 14.45	Q&A session and close
Day 2 – Tuesday 30 June, 2pm-4pm: Sustainable Materials and the Supply Chain in Composites	
14.00 - 14.10	Introduction to session
14.10 - 14.35	Professor Mark Gillan, Chief Technology Officer, Innovate UK
14.35 - 15.00	Professor Steve Pickering, University of Nottingham – Challenges of fibre recovery from thermoset composite materials
15.00 - 15.25	Dr Soraia Pimenta, Imperial College - Discontinuous composites: a route for manufacturability, damage tolerance, and sustainability
15.25 - 15.50	Professor Kristiina Oksman, Luleå University of Technology, Sweden – Biobased nanomaterials and their use in composites
15.50 - 16.00	Q&A session and close
Day 3 – Wednesday 1 July, 2pm-4pm: Sustainable Manufacturing of Composites	
14.00 - 14.10	Introduction to session
14.10 - 14.35	Dr Tim Young, National Composites Centre – HVMC and green economic growth

14.35 - 15.00	Frazer Barnes, ELG Carbon Fibres – Developments in the applications of recycled carbon fibres
15.00 - 15.25	Dr Tia Benson-Tolle, Director of Materials and Fabrication, Boeing Commercial Airplanes, USA – Sustainability across the composite value chain
15.25 - 15.50	Professor Ian Hamerton, Bristol Composites Institute, University of Bristol – The HiPERDiF process
15.50 - 16.00	Q&A session and close
Day 4 – Thursday 2 July, 2pm-4pm: Sustainable Composite Products	
14.00 - 14.10	Introduction to session
14.10 - 14.35	Allan Poulson, Vestas – Sustainable composites and the wind industry
14.35 - 15.00	Lucy Eggleston, National Composites Centre – The Sustainable Composite Partnership and ReDisCover: next steps
15.00 - 15.25	Kevin Lindsey, Managing Director, Far Composites – Sustainability of transportation in circular world – where do composites fit in?
15.25 - 15.50	Professor Kerry Kirwan, Warwick Manufacturing Group, University of Warwick – Demonstrating the potential of Sustainable Composites
15.50 - 16.00	Q&A session and close
Day 5 – Friday 3 July, 2pm-5pm: Workshop	
14.00 - 14.30	Nadhim Zahawi, MP, Minister for Business and Industry Richard Oldfield, Chief Executive, National Composites Centre Jane Nicholson, Director for Research Base, EPSRC
14.30 - 17.00	Zakiya Mckenzie, Former Black and Green Ambassador, writer – ‘Inclusion in sustainable composites – a provocation’ Workshop: Emerging risks and opportunities in composites – what next for policy, practice & research? The world is constantly changing. Emerging social, technological, political, economic, and environmental trends have continued to shape the composites industry in many ways, some of which we might not yet have anticipated. In this innovative final session, we invite you to explore the emerging risks and opportunities that will and might impact our ability to secure a sustainable future for composites, and reflect on what this means for policy and practice. The outputs of the workshop will inform a short policy- and funder-facing paper, highlighting where policy and research effort might best be directed to achieve our collective aims.