

DAY 1 - Wednesday 9th July 2025



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Theatre 1 • The Advanced Materials Show • Hall 7

09:55 - 10:10

Keynote Address

The Future is Now: Navigating the Advanced Materials Revolution
Simon Kenney, CEO, **Goodfellow**

10:10 - 11:05

Panel

Materials – The Link...to Make The Transition Happen

Chair: Dr. Mandar Thakare, Associate Director, **BP ICAM** / Manager, **ScienceNetZero**

Brenna Howley, Associate Patent Attorney, Chemistry and Life Sciences, **Gill Jennings & Every LLP**

Prof. Nigel Brandon OBE FREng FRS, Dean, Faculty of Engineering, **Imperial College London**

Dr. Kalyan Sarma, Vice President, Commercialisation – Climate, Environment & Sustainability, **Ploughshare**

Prof. David Knowles, CEO, **Henry Royce Institute**

Dr. Subhasish Mukerjee, Chief Scientific Officer, **Ceres Power Limited**

11:05 - 11:08

Video Address

Video Address to the Advanced Materials Show

Lord Vallance, Minister of State for Science, Research and Innovation

11:20 - 12:15

Panel

Unlocking UK Economic Growth Through Materials Innovation

Chair: Prof. David Knowles, CEO, **Henry Royce Institute**

Annalisa Gigante, Non-Executive Director and Interim Chair, **Henry Royce Institute**

Dr. Sumitesh Das, Director, Research & Development, **Tata Steel UK Limited**
Dr. Subhasish Mukerjee, Chief Scientific Officer, **Ceres Power Limited**

12:20 - 12:40

Keynote Address

Eliminating Steps in Preparing Material Samples

Mike Bell, Applications Specialist, **Struers**

LUNCH BREAK

13:40 - 14:35

Panel

Frontiers in Advanced Semiconductor Materials

Chair: Dr. Sebastian Wood, Principal Scientist, Semiconductor Materials and Devices, **NPL**

Richard Duffy, Senior Policy Advisor - Semiconductors, **Department for Science, Innovation and Technology (DSIT)**

Dr. Huma Ashraf, Director R&D/Consortia, Industry & Customers Collaborations, **KLA**

Feras Alkhalil, VP Research & Development, **Pragmatic Semiconductor**
Dr. Christian Burton, Product Marketing Manager, **CSA Catapult**

14:40 - 15:40

Panel

Innovate to Net Zero: The Startup Advantage

Chair: Ivan Buckley, Director, Business Development for Graphene@Manchester, **University of Manchester**

Mike Harrison, Chief Executive Officer, **Concrete**

Dr. Seb Leaper, CEO, **Watercycle Technologies**

Daniel Palme, CEO, **HalioGen**

15:50 - 16:30

Live Podcast

How Small Can We Go? A Deep Dive into Microfabrication in Advanced Materials Hosted by Goodfellow

Mark Daniels, Marketing Communications Lead - Global, **Lucideon**

Mike Adelstein, President, **Potomac Photonics**

Dr. Aphrodite Tomou, Head of Technical, **Goodfellow**

Dr. Benedikt Moser, Senior Technical Advisor, **Suisse Technology Partners**

Adam Sells, Channel Manager, **Goodfellow**

Theatre 2 • The Advanced Ceramics Show • Hall 7

09:55 - 10:10

Keynote Address

From Hidden Strength to Global Spotlight: The Rise of the UK's Advanced Ceramics Cluster

Dr. Cathryn Hickey, CEO, **AMRICC**

10:10 - 11:05

Panel

The Importance of Advanced Ceramics as a Key UK Capability

Chair: **Tony Kinsella**, Chief Executive Officer, **Lucideon**

Dr. Matt Lunt, Chief Scientist – Materials | Associate Director Defence Materials Centre of Excellence, **DSTL**

Ash Owen, Head of Future Technology, **Rolls-Royce**

11:20 - 12:05

Panel

Advances in Materials Characterisation

Agnieszka Corley-Wiciak, Business Developer, **European Synchrotron Radiation Facility**

Dr. Jürgen Adolphs, Teamleader - Product Management, **Microtrac Particle Characterization**

Dr. Timothy Kamps, Senior Scientist, **NPL**

12:10 - 12:40

Fireside Chat

The Opportunity for CMC's: Components for Aviation, Hypersonics and Fusion Energy

Chair: **Dr. Tim Küsters**, Team Leader Sales DACH, **Carbolite Gero**

Dr. David King, Lead - CMCs, **NCC UK Limited**

LUNCH BREAK

13:40 - 14:35

Panel

Transforming Applications with Ceramic Additive Manufacturing

Chair: **Richard Goodhead**, Chief Marketing Officer, **Lucideon**

Dr. Robert Kay, CEO and Co-Founder, **Hydra**

Jin Kim, Head of Sales & Marketing, **3D Controls**

Dr Sherry Ghanizadeh, Senior Research Engineer, **mtc**

Dr. Sarah Diener, Head of Additive Manufacturing, **KYOCERA Fin ceramics Europe GmbH**

14:40 - 15:40

Panel

Next-Gen Aerospace Materials: Balancing Performance, Durability, and Cost

Chair: **Enya Collier**, Product Market Manager, Aerospace, Defence & Nuclear, **Lucideon**

James Rolph, Senior Technologist, **Aerospace Technology Institute**

Danny Kamenecka, Senior Business Development Manager, **Blueshift**

Simon Smith, Business Development Director, **Brookhouse Aerospace**

15:50 - 16:30

Panel

Success Stories: Building the Advanced Ceramics Eco-System Through Collaboration

Chair: **Dr. Gilda Gasparini**, Director of Programmes, **Lucideon**

Prof. Bala Vaidyanathan, FIMMM, FHEA, Professor of Advanced Materials & Processing, **Loughborough University**

Jonathan Phillips, Structural Ceramics Centre of Excellence Leader, **Morgan Advanced Materials**

Dr. David Pearmain, Business Manager - Technology Engagement & Partnerships, **Lucideon**

Ian Edmonds, Senior Specialist and Technical Manager in High Temperature Materials, **Rolls-Royce Plc**

Dr. Erin Valenzuela-Heeger, Post-Doctoral Research Fellow, **University of Birmingham**

DAY 2 - Thursday 10th July 2025



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Theatre 1 • The Advanced Materials Show • Hall 7

10:00 - 10:55 **Panel**

Sustainability, Circularity and Measurement: Challenges and Opportunities

Chair: Dr. Yiwen Pei, Senior Scientist, **NPL**
Benjamin Gibbons, CEO, **Circular 11**
Keith Brent, CEO & Co-Founder, **Infiniti Recycling**
John Whittaker, Engineering Director, Graphene Engineering Innovation Centre (GEIC), **University of Manchester**

11:00 - 11:20 **Keynote Address**

Why Space? Unlocking the Next Frontier in Advanced Materials

Dr. Alex Goodhand, Space Manufacturing Lead, Satellite Applications, **Catapult**

11:20 - 11:23 **Video Address**

Video Address to the Advanced Materials Show

Lord Vallance, Minister of State for Science, Research and Innovation

11:30 - 12:20 **Panel**

Graphene in Construction: Disrupting Materials, Defying Sceptics

Chair: Dr. Conor O'Brien, Senior Technology Analyst, **IDTechEx**
Prof. Alexander M. Seifalian, Director/Professor of Nanotechnology & Regenerative Medicine, **Nanotechnology & Regenerative Medicine Commercialisation Centre**
Dr. Andrius Patapas, CEO, **2d Nano Ltd**
Dr. Stephen Hodge, CEO, **Versarien**
Dr. Ian Martin, Research and Development Manager, **First Graphene Ltd**

LUNCH BREAK

13:30 - 13:50 **Keynote Address**

2D Materials: The Future of Aerospace and Automotive Industries – Benefits, Applications, and Challenges

Dr. Zeshan Yousaf, Applications Specialist, **Graphene Engineering Innovation Centre**

13:55 - 14:55 **Panel**

Innovations in Materials Testing and Characterisation

Olivier Savard, Thermal Analysis Sales Manager, **Hitachi High-Tech Analytical Science Ltd**
Jon Hughes, Senior Scientist, **NPL**
Dr. Ir. Alex Van den Bossche, Managing Director, **Grindosonic**

15:00 - 15:20 **Keynote**

bp-ICAM: Advancing Energy Solutions Through Dynamic Industry-Academic Synergy in Materials Science

Dr. Georgia Wood, Materials Science Manager, **ICAM**
Dr. Sofia Marchesini, Senior Materials Scientist, **bp**

Theatre 2 • The Advanced Ceramics Show • Hall 7

10:00 - 10:55 **Panel**

Overcoming the Skills Gaps within the Ceramics Sector

Chair: Dr. Cathryn Hickey, CEO, **AMRICC**
Ean Faragher, Marketing and Operations Manager, **Axia Solutions**
Rachel Timmins, Policy Manager, **Ceramics UK**
Jonathan Phillips, Structural Ceramics Centre of Excellence Leader, **Morgan Advanced Materials**

11:00 - 11:20 **Keynote Address**

Development and Manufacturing of Advanced Ceramics for Energy Applications

Dr. Yu Yu, Lead Researcher, **Almath Crucibles Ltd.**

11:30 - 12:30 **Panel**

Machine Learning for Sustainable Materials: Optimising Production and Performance

Chair: Dr. Tom Whitehead, Head of Machine Learning, **Intellegens**
Nick Parry, Group Manager – Industrial Digitalisation, **MPI**
Dr. Fedor Goumans, Chief Customer Officer, **SCM**
Dr. Dominic Wadkin-Snaith, Data Science - Business Development Manager, **AMRICC**

LUNCH BREAK

13:30 - 13:50 **Keynote Address**

Decarbonizing the Ceramic Industry: Pathways to Net-Zero Emissions

Dr. Carsten Rußner, President, **Kyocera Fineceramics Europe GmbH**

13:55 - 14:55 **Panel**

What Will It Take for Ceramic 3D Printing to Go Mainstream?

Chair: Dr. Ehsan Sabet, Managing Director, **Additive Manufacturing Centre of Excellence**
Gerado Iglar, Business Developer, **Lithoz GmbH**
Charlie Clark, Technical Sales Manager, **3DCERam Sinto**

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