NTPMI
National Technical Platform for Materials Innovation

UKRI Engineering and Physical Sciences Research Council

IMPERIAL

UNIVERSITY OF CAMBRIDGE

the BRAGG centre FOR MATERIALS RESEARCH

NTPMI: Growth UK Symposium, 12th - 14th November

De Vere Hotel, East Horsley, Surrey

Agenda

Day 1: *Introductory Afternoon; Keynote Presentations and Gala Dinner*

Time	Session	Speaker/Presenter
12:00-13:00	Arrival, registration and lunch	
13:00 - 13:15	**Introduction and welcome to event; housekeeping**.	Peter Petrov
13:15 - 14:45	**Introductory icebreaker presentations from each attending facility**.	Attending RTPs
14:45 - 15:15	Break	
15:15 - 15:45	Keynote Speaker, Jane Nicholson, Executive Director for the Research Directorate at the Engineering and Physical Sciences Research Council (EPSRC).	
15:45 - 16:15	Keynote Speaker: Richard Curry, Associate Vice-President for Research and Innovation, University of Manchester	
16:15 - 18:30	Check-in and Free Time	
18:30 - 20:30	**Gala Dinner**	

Day 2: *Industry Session; Techniques and Expertise; Keynote Presentation*

Time	Session	Speaker
09:00 – 09:40	**Industry Session (1)** 2 x 20 minute presentations	
09:40-10:15	**Techniques and Expertise (1)** Atomic Layer Deposition	
10:15 - 10:45	Break	

10:45 - 11:25	**Industry Session (2)** 2 x 20 minute presentations	
11:25 - 12:00	**Techniques and Expertise (2)** Chemical Vapour Deposition	
12:00-13:00	Lunch	
13:00 - 14:00	OPTIONAL 1) SOCIAL WALK 2) POSTER SESSION/NETWORKING	
14:00 - 14:40	**Industry Session (3)** 2 x 20 minute presentations	
14:40 - 15:15	**Techniques and Expertise (3)** Physical Vapour Deposition	
15:15-15:45	Break	
	Techniques and Expertise (4)	
15:45 -16:15	Pulsed Laser Deposition	
16:15-16:45	Molecular Beam Epitaxy	
16:45 - 17:15	Metal Organic Chemical Vapour Deposition	
17:15 - 17:45	Keynote Speaker: John Tingay, Paragraf CTO	
17:45	**DAY 2 CLOSE**	
18:30 - 20:30	**Day 2 Evening Dinner**	

Day 3: *Final Morning; Shared Challenges and Solutions; Closing Keynote Presentation*

Time	Session	Speaker/Trainer
09:00 – 10:00	**Shared Challenges Panel Session 1** **The Training and Skills Needs and Offering for RTPs**	
10:00 - 10:30	Break	
10:30 – 11:30	**Shared Challenges Panel Session 2** **Career Progression Landscape for RTPs 10-30 – 11:30**	
11:30 – 12:00	**Day 3 CLOSING KEYNOTE**	TBC
12:00 -12:15	**Wrap Up, Thank You, Future Plans**	Growth UK Team
12:15 - 13:00	Lunch	
13:00	**CLOSE**	

Keynote Speakers

Jane Nicholson

Jane Nicholson is the Executive Director for the Research Directorate at the Engineering and Physical Sciences Research Council (EPSRC).

This includes oversight of EPSRC investments in research in the core disciplines such as engineering, physical sciences, information and communication technology and maths; research infrastructure; and its investment in support for people. As an EPSRC senior leader, she has relationship management responsibilities with key strategic partnerships.

Professor Richard Curry

Richard is an internationally recognised expert in the development and engineering of new materials and devices for photonic and quantum technologies. He is the principal investigator of a portfolio of several research grants including the EPSRC Programme Grant 'Nanoscale Advanced Materials Engineering', and maintains a strong set of national and international collaborations and contributes to policy discussion around the areas of advanced materials, semiconductors and quantum technologies.

Richard joined the University of Manchester in 2016 as Professor of Advanced Electronic Materials, and has successfully delivered a range of leadership roles including as Director of the Photon Science Institute, Director of Science for Royce at Manchester, Associate Dean for Institutes, and most recently Vice-Dean for Research and Innovation in the Faculty of Science and Engineering.

Previously Richard was Professor of Photonics in the Advanced Technology Institute at the University of Surrey. He has published over 175 papers and contributed to numerous technical reports, technology roadmaps and policy papers. He has a strong record of ensuring equality, inclusion and diversity are embedded within his research and in delivering high-impact outreach activities.

John Tingay, Paragraf, CTO

Using Paragraf's proprietary graphene synthesis process John and his team have been developing graphene devices and understanding of the processing of 2D materials at Paragraf. John has led development of capital equipment in the semiconductor and electronics industries for over two decades, spanning across wide-ranging technology areas from front end to packaging applications.

In these positions, John has been responsible for bringing novel technologies and processes to the industry and supporting the introduction of products by top tier consumer electronics companies. His experience of the business and technology acquisition process from a multinational corporate viewpoint has led John to hold several non-executive positions in high technology companies within in the semiconductor and advanced imaging markets. John has also worked in the development of systems for particle accelerators and Synchrotron physics, after starting his career in consulting engineering.