

Thermoplastic Composites 2018

Thursday 4 October
BPF House, London, EC2A 3JE

BPF and Composites UK Members £149 + VAT
Non Members £249 + VAT

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Presentations from



THE UNIVERSITY
of **EDINBURGH**

Thermoplastic Composites 2018

This joint Composites UK and British Plastics Federation event will provide delegates with the chance to explore how to use thermoplastic composites in large scale projects. Delegates will also have the opportunity to learn of new technical advancements in thermoplastic composites, including single stage overmoulding, new joining methods, low cost polymerisation processing and liquid thermoplastics for automotive applications.

Who should attend: This seminar is aimed at senior and middle managers from Thermoplastic Composites companies from all sectors and all parts of the UK.



Seminar Programme

09.30	Registration & Refreshments	12.50	Networking Lunch
10.00	Introduction	13.45	Liquid Thermoplastics for Automotive Applications <i>Luke O'Donnell— FAR UK</i>
10.05	Chairpersons Introduction <i>Paul Gallen, National Composites Centre</i>		
10.15	Next Generation Composite Manufacturing - Transforming the Automotive Composites Supply Chain <i>Hannah Tew—AMRC</i>	14.10	Low Cost In-Situ Polymerisation Processing of Thermoplastic Composites <i>James Murray & Winifred Obande, University of Edinburgh</i>
10.40	JLR; Desires, Wants, Needs and Experience of Thermoplastic Composites and its Supply Chain <i>Ian Ray—JLR</i>	14.35	Waste Reduction in Compression Moulded Thermoplastic Laminates Using Digital Manufacturing <i>David Hughes—Teeside University</i>
11.05	Morning Break	15.00	Close
11.35	Single Stage Overmoulding of Thermoplastic Composites <i>Peter Quigley—CCP Garsden</i>		
12.00	New Joining Method for Composite-Metal Hybrid Structures: A Composite/Aluminium Chassis for the Ariel Hipercar Project <i>James Grant—Powdertech</i>		
12.25	Industrialised and Digital Manufacturing of Thermoplastic Composites, <i>Mark Mulwijk - Airborne</i>		



Speakers



David Hughes

Teesside University

Dr David Hughes is a materials specialist with a research interest in polymers and polymer composites at Teesside University. His work is heavily industry engaged, including KTP's & research developing novel composite materials. David is an expert in digital composite manufacturing including Fibresim, a specialist composite manufacturing software, delivering professional solutions to industry. He has specific interests around waste management and reduction in processing.



Mark Muilwijk

Airborne Composites Automation

Mark graduated from the department of Aerospace Engineering at the TUDelft end of 2007 and joined Airborne in January of 2008.

As a process engineer he experienced the start up and growth of what is now Airborne Oil & Gas. He was part of the team that was responsible for the development and quality of the production process for the thermoplastic composite pipes.

When this company was split off from the Airborne International group, Mark moved to Airborne Technology Centre, where he did various projects considering thermoplastic composites in both automotive and aerospace industry.

At the moment Mark is working as process specialist at Airborne Composites Automation, a branch of the company that focuses on the automation of high volume production processes for thermoplastic composite parts.



Winifred Obande

University of Edinburgh

Winifred Obande completed her undergraduate degree in Biomedical Engineering at the University of Limerick (UL), Ireland, graduating in 2012. She immediately went on to work as a researcher at the Irish Composites Centre (IComp, formerly Irish Centre for Composites Research), hosted at UL. During her time at IComp, she was involved in several industry-led projects on resin infusion processing of composites and processing of thermoplastic composites using techniques such as automated tape placement. She also completed a part-time Research Masters in Mechanical Engineering on the "Mechanical characterisation of composite materials with 3D woven reinforcement architectures", graduating in 2017. In March 2017, Winifred moved to Edinburgh to begin a PhD under the supervision of Dr. Dipa Roy and Professor Conchúr Ó Brádaigh at the Institute for Materials and Processes, School of Engineering, University of Edinburgh. Her research is on the development of infusible hybrid thermoplastic laminates.

Registration

NAME:

ORGANISATION:

ADDRESS:

EMAIL:

TELEPHONE:

NO. OF DELEGATES:

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PRICE PER DELEGATE (excl. VAT)

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VAT (20%) £ _____

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Future Events

16 May, Belfast

BPF Rotational Moulding Seminar

12 June,, London

BPF Sustainability Seminar

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Composites 
Trade Association


British Plastics Federation