



British Plastics Federation

CompositesUK

Register online at
www.bpfevents.co.uk

DATE

27th February 2014

LOCATION

BPF House

6 Bath Place
Rivington Street
London
EC2A 3JE

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WEB

www.bpfevents.co.uk

PRICE (EXC VAT)

Members £150

Affiliate Members £175

Non Members £250

Thermoplastic Composites 2014

Opportunities in High Volume Manufacturing



Presentations by....



ELG Carbon Fibre Ltd.
RECYCLED CARBON FIBRE

Join the BPF and Composite UK at the inaugural 'Thermoplastic Composites' seminar. This seminar will provide you with the ideal opportunity to network with your peers and to listen to expert speakers discussing Thermoplastics. Topics at this seminar include challenges when recycling composites and processing composite materials. Who should attend?

Thermoplastic Composites 2014 is aimed at senior and middle management professionals from plastics companies who produce and use Thermoplastic Composites. The seminar aims to provide a forum for discussing the latest in Thermoplastic technology and to give attendees an opportunity to network and make contacts within the industry.

Seminar Programme:

09.40 Registration & Refreshments

10.00 Chairman's Introduction - Peter Chivers, *Chief Executive, National Composites Centre*

- *A Look at Funding and Government Strategies for Composites*

10.45 Thermoplastic Composite: An Overview - Matthew Thornton, *Project Manager, Net Composites*

11.05 Processing of Thermoplastic composites - Gerry Boyce, *Managing Director, EPL Composite Solutions*

- *Thermoplastic composite sheet and panel production techniques*
- *Prototyping and low volume production of thermoplastic composites by Diaphragm moulding.*
- *Manufacture of high volume, near net shaped thermoplastic composite components.*
- *Manufacture of thermoplastic composite pipes and pressure vessels*

11.35 Tea and Coffee Break

12.00 Challenges When Recycling Composites - Alex Edge, *Sales and Business Development Manager, ELG Carbon Fibre*

- *Technical issues facing processors when dealing with recycled composites*
- *Design for recyclability*
- *Industry and government involvement to improve issues with end of life*

12.45 Sustainable Thermoplastic Composites: A Case Study Matthew Thornton, *Project Manager, Net Composites*

- *Overview of the Thermocomp project*

13.00 Networking Lunch

14.00 Toolmaking for Thermoplastic Composites - Roger Onions, *GTMA*

14.20 Self Reinforced PLA Composites - Ton Peijs, *Professor of Materials, Queen Mary University*

14.40 Mass production of carbon/PPS clips for A350XWB fuselage Winand Kok, *Engineering Manager, Aerospace, TenCate*

15.00 Case Study: Machinery - Peter Ils, *Krauss Maffei*

- *Thermoplastic Composites as Metal Replacement*
- *Case Study on the Side Impact Beam for the Audi A4*

15.20 Tea/Coffee and Close For more information visit www.bpfevents.co.uk



To **register** please complete this form and fax to
+44 (0) 207 457 5045 or email events@bpf.co.uk
A British Plastics Federation Seminar



Gerry Boyce, EPL Composite Solutions

After graduating from Nottingham University, Gerry was sponsored at Loughborough University by British Industrial Plastics Ltd, where he subsequently worked as Research Engineer, specialising in short fibre reinforced moulding compounds.

In 1983, he joined Advanced Composite Components Ltd, where he specialised in the development of carbon fibre reinforced formula 1 racing cars prior to joining PERA in 1984.

During 7 years at PERA, he set up and led a research team specialising in advanced composite materials, processing and application engineering across a broad range of industrial sectors.

In 1992, Gerry founded and is MD of EPL Composite Solutions Ltd (EPL), whose aim is to be a leading research and development company, specialising in composite materials and in taking products from 'concept to market'. Over the past 20 years EPL have launched 4 spin off businesses involved in underground pipeline rehabilitation, thermoplastic composite panel production, passively safe composite sign posts and electrically resistant composite cross arms for transmission towers.

Ton Peijs, Queen Mary University

Ton received his PhD from Eindhoven University of Technology (The Netherlands) and joined Queen Mary in 1999. His research interests cover the whole technology platform from processing and characterisation to the performance evaluation and applications of polymers and their composites. In recent years, his work has mainly focused on the utilization of nanoscale architecture in polymers and composites, the creation of high-performance fibres for advanced all-polymer composites, intelligent fibres for smart textiles, and the development of novel materials based on renewable resources. TP is the author or co-author of over 200 papers in scientific journals and conference proceedings. He is a member of the editorial board of seven leading journals in the field of materials, polymers and composites and was the conference chair for the 2008 Gordon Research Conference (GRC) on Composites.

Dr Matthew Thornton, Net Composites

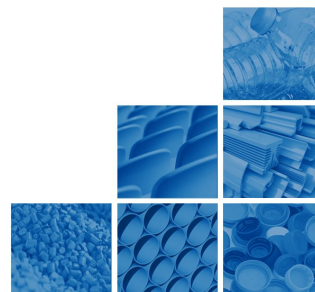
Matthew joined NetComposites in 2013 as a Project Manager and is responsible for the management of a portfolio of both European and UK projects. Prior to joining NetComposites he spent 7 years at The Institute of Materials, Minerals and Mining as both a Materials Advisor in the Knowledge Exchange Team and as the Polymer Sector Leader for the Materials KTN.

Before this he held the position of KTP Associate at the University of Reading and conducted research into novel materials for the removal of mercury from crematoria flue gases. Matthew has a BSc (Hons) in Chemistry with Chemical Engineering from the University of Huddersfield and a PhD in the "Catalytic Deposition of Carbon Nanomaterials onto 3D Carbon Fibre Supports for the Manufacture of Carbon-Carbon Composites" from the University of Nottingham, the latter being sponsored by Dunlop Aircraft Braking Systems.



Thermoplastic Composites 2014:

Opportunities in High Volume Manufacturing



For further information please contact the BPF Events Team

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REGISTRATION FORM FOR SEMINAR 27th February 2014 PLEASE FAX OR POST BACK TO THE ABOVE ADDRESS

YOUR NAME:

COMPANY NAME:

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NUMBER OF DELEGATES:

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PRICE

BPF/Composites UK Members £150 + VAT
Affiliate Members £175 + VAT
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Credit Card No:

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Exp. Date

☐ VISA

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Issue No: ☐

TOTAL (excl. VAT) £

VAT £

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Signature

Terms and Conditions

All payments must be completed by the commencement of the seminar. A VAT receipt will be issued on receipt of your payment and forwarded as well as joining instructions. Please make all cheque payments out to 'The British Plastics Federation'

Cancellation: If you are unable to attend after having confirmed your registration, please inform us in writing so that your registration may be transferred to any member of your company.

Refunds: A charge of 20% will be made on written cancellations received before two weeks before the seminar – No refund will be given after the this date.

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This literature is correct at the time of going to print, however the BPF reserves the right to alter the programme without prior notice.

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