Conductive polymers are a relatively novel part of the plastics industry and their full potential is yet to be exploited.

This BPF Seminar brings together a number of experts, both from academia and from industry, to explore conductive polymers, the market size, their uses and applications, and processing techniques.

The aim of this seminar is to increase awareness in industry of the benefits of conductive polymers, for industry to better understand the processing parameters and the applications in which they are used.

**THE SEMINAR PROGRAMME**

10:25  Chairman's introduction & overview - Tim Marsden, BPF

10:30  What are Conductive Polymers and Understanding their Potential - Luis Roca, AIMPLAS

11:15  Market Overview, Innovations and Supply and Demand - Cathy J Curling, Curling Consulting

12:00  Break

12:15  Polymer Nanocomposites and Electrical Properties: Processing & Applications - Dr. Emiliano Bilotti, Nanoforce

12:45  Lunch

13:45  Microelectronic and Optoelectronic Applications of Conductive Polymers - Prof. Peter Foot, Kingston University

14:15  Ink Jet Printing and Spin Coating of Electrically Conductive Polymers - Dr. Peter Wilson & Dr Tina Lekakou, Surrey University

14:45  Break

15:00  Integrated Emerging Technologies For A Sustainable Built Environment - Dr. Geoffrey Williams, Thorn Lighting

15:30  PolyCond and iPolyCond Case Study; European Funding - Tim Marsden, BPF

15:45  Conclusion and Close
Dr Peter R Wilson - School of Electronics and Computer Science, University of Southampton

Dr Constantina Lekakou - Senior Lecturer in the Faculty of Engineering and Physical Sciences at University of Surrey, holds a Diploma in Chemical Engineering and PhD as well as being member of the Technical Chamber and the Institute of Chemical Engineers in Greece. Dr Lekakou has diverse research interests such as Inkjet Printing of Electrically Conductive Polymers and experimental studies into the processing of polymers and composite materials or process modelling of fabric/fibre forming, multi-phase flow and curing. She is involved on six innovative research programs such as novel techniques of processing carbon nanotube-polymer composites to optimise structural, electrical and

Dr Emiliano Bilotti - School of Engineering and Materials Science, Queen Mary University London/Nanoforce
Emiliano Bilotti graduated cum laude in Materials Engineering from “Federico II”, University of Naples. In 2004 joined Queen Mary for his PhD studies, under the supervision of Prof. Ton Peijs. His research focused on Thermoplastic Polymer / Clay Nanocomposites and the study of new environment friendly flame retardant materials, in the frame of a European STRP project: Nanofire. During his doctorate he developed expertise in different fields of polymer processing and characterisation. He also acquired knowledge in the area of nano-mechanics and nano-objects manipulation using state-of-the-art Scanning Probe Microscopy facilities.

Cathy J Curling - founder and CEO of Curling Consulting,
An independent Technical Consultancy serving an international advisory portfolio of industry, venture capital, government and university-based clients, is an accomplished international strategic business champion & technologist, experienced in defining, leading & delivering on innovative high-tech programs through to successful industrialisation via international partnerships. As a domain expert in disruptive thin-film, large area electronics, her impressive track record covers a core of displays & sensors, processed with both conventional & printed electronic materials & techniques. Cathy’s early career included technology management within the global corporate businesses of Philips and later as Chief Technology Officer at Plastic Logic, Cambridge UK.

Prof. Peter Foot - Kingston University, London
Peter Foot is leader of the Materials Research Group, Kingston University London (since 1995). Director, Centre for Materials Research (2008-10). Professor of Materials Science, Kingston University (1998-present). Currently supervising 9 postgraduate research students at Kingston University. Previously supervisor of 45 successfully-completed research students (8 as co-supervisor), and of 9 post-doctoral researchers.

Tim Marsden, Senior Executive Projects, British Plastics Federation, the UK’s leading Plastics Trade Association, where he has been working for more than four year. Initially responsible for the Construction Groups of the BPF, Tim now looks after the numerous BPF UK and European Research and Development Projects.
Tim is a graduate of Sheffield Hallam University, where he gained a BA (Hons) Degree in International Business and German.
An Introduction to Conductive Polymers
A BPF SEMINAR

The aim of this seminar is to increase awareness in industry of the benefits of conductive polymers, for industry to better understand the processing parameters and the applications in which they are used.

For further information please contact the BPF Events Team

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

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A British Plastics Federation Seminar