



*Cranfield*  
UNIVERSITY

SAMPE UK & Ireland Chapter

**SAMPE UK & IRELAND CHAPTER  
ANNUAL SEMINAR &  
SME TABLE TOP EXHIBITION**

**ADVANCED COMPOSITES –  
THE ENGINE FOR GROWTH**

**Wednesday 27th February 2013  
The Vincent Building B52  
Cranfield University**

**SME Table Top Exhibition Sponsored by:**



**Lunch Sponsored by SURFACE GENERATION Ltd**

**The Seminar programme comprises sessions with invited speakers, all experts in their field, from companies and organisations making major contributions to the technical progression and commercial exploitation of composites.**

The programme may be changed due to factors outside the control of the organisers

# **PROGRAMME**

- 09.00: Registration and SME TABLE TOP EXHIBITION sponsored by National Composites Centre**
- 10.00: Welcome: Andrew Mills, Vice Chair SAMPE UK & Ireland Chapter  
Principal Research Fellow Composites Manufacturing,  
Composites Centre, SAS. Cranfield University**
- 10.05: Introduction: Andrew Long, Chair of SAMPE UK& Ireland Chapter  
Dean of Engineering and Professor of Mechanics of Materials Research,  
University of Nottingham**
- 10.15: “Advanced Composites – The Engine for Growth”  
Professor Mike Hinton, Technology Director,  
National Composites Centre.**
- 10.45: Coffee & SME Table Top Exhibition sponsored by NATIONAL COMPOSITES CENTRE**
- 11.30: “Graphene, Fundamentals and Applications. A New Profitable Product?”  
Dr Craig Banks, Associate Professor of Electrochemistry and Nanotechnology  
Dept of Chemistry and Environmental Science,  
Manchester Metropolitan University**
- 12.00: “How Carbon Fibre is Changing the Way We Look at New Energy Development”  
Dr Philip Schell, V.P. Marketing and Sales,  
Zoltek Companies Inc.**
- 12.30: Surface Generation Ltd –An Introduction  
Andrew Sharpe, European Sales Manager**
- 12.40: Lunch sponsored by SURFACE GENERATION Ltd.  
SME Table Top Exhibition sponsored by NATIONAL COMPOSITES CENTRE**
- 13.40: “The Development and Certification of Composite Landing Gear Components for the Boeing 787”  
Professor Ernest Leung, Chief Engineer (PCE), Boeing Commercial Programmes,  
Boeing 787 Dreamliner, Messier-Dowty Inc, Canada**
- 14.10: “Composites in the automotive industry: potential for growth”  
Dr Kevin Lindsey, Technical Director, FAR-UK**
- 14.40: Coffee & SME Table Top Exhibition sponsored by NATIONAL COMPOSITES CENTRE**
- 15.20: “Can Carbon Fibre Reinforced Ceramics change the Combustion Engine?”  
Dr Houzheng Wu, Senior Lecturer, Dept of Materials, Loughborough University**
- 15.50: “The Effect of Manufacturing Induced Defects on Performance of Composite Laminates”  
Wayne van Rooyen, Advanced Materials Technologist – Organic Matrix Composites  
Rolls-Royce plc, Derby**
- 16.20: Close**