



# Programme

## Composites Innovation 2010

### Advances in Materials, Design and Manufacture of Large Composites Structures

The Studio Manchester, 51 Lever Street, Manchester, M1 1FN

**Tuesday 9<sup>th</sup> November**

10:00 Registration

**Session 1: The UK Challenge**

10:30 Delivering the UK Composites Strategy  
Nigel Keen, Materials KTN

11:00 Meeting the Challenge through the National Composites Centre  
Peter Chivers, National Composites Centre

11:30 i-Composites – The Grand Challenge Series of Presentations  
Chris McHugh, Sigmalex  
Matt Fox, Cobham

13:00 Lunch and Networking

**Session 2: Advances in Materials**

14:00 3D Preformed Materials for Large Composite Structures  
Robert West, QinetiQ

14:30 New Sandwich Panel: The Combination of PVC Honeycomb and GRP reinforced PVC Plates  
Dominique Grandjean, Solvay, Belgium

15:00 CleanMould: Development of Large, Lightweight, Recyclable Thermoplastic Composite Products with Enhanced Performance  
David Goodwin, EPL Composite Solutions

15:30 Tea and Networking

16:00 Cost Effective Rapid Manufacture of Structural Carbon Fibre Thermoplastic Composites  
Richard Day, Glyndwr University

**Session 3: Advances in Design and NDT**

16:30 Study of Wave Propagation in Honeycomb Structures for Damage Detection Using Vibrothermography  
H. Saboktakin, Merat Poolad Engineering Co

17:00 Laser Shearography - NDT for Large Composites Structures  
Rob Wood, Dantec Dynamics

17:30 Dassault Systemes PLM Composites for Automotive  
Mark Stewart, Dassault Systemes

18:00 Close

18:00 Drinks Reception

19:00 Close



# Programme

## Wednesday 10<sup>th</sup> November

09:30 Registration

### Session 4: Manufacturing Developments

10:00 Developments in Machine Independent Programming and Simulation of Automated Fibre Placement Machines  
John Reed, CGTech

10:30 Development of a Low Power Consumption Manufacturing System for Automated Production of Offshore Wind Turbine Rotor Blades  
Matthew Chalk, Solent Composite Systems

11:00 Coffee and Networking

11:30 Developments in Closed-Mould Process Control  
Stephen Leonard-Williams, Composite Integration

12:00 DELOS – Deep Ocean Environmental Observatory System  
John Hartley, Exel Composites

12:30 Lunch and Networking

### Session 5: Opportunities

13:15 Design of Large Composite Structures for Construction  
David Kendall, Optima Projects

13:45 Manufacturing Challenges & New Techniques for Mega Scale Off-Shore Wind Turbine Blades  
Andrew Mills, Cranfield University

14:15 Next Generation Repair Solution for Wind Turbine Blades – RENUVO  
John Darlington, Gurit

### Session 6: North West Composites Centre

14:45 Paper from North West Composites Centre  
Andrew Walker, NWCC

15:15 Close

15:30 – 16:30 Tour of the North West Composites Centre (NWCC) and/or the National Composites Certification and Evaluation Facility (NCEEF) - optional

## Composites Innovation 2010

**Organiser:** Claire Whysall, Event and Network Coordinator  
NetComposites Limited, 4A Broom Business Park, Bridge Way, Chesterfield, S41 9QG, UK  
**T:** +44 (0)1246 266244 | **F:** +44 (0)1246 266249 | **E:** [claire.whysall@netcomposites.com](mailto:claire.whysall@netcomposites.com)  
**[www.compositesinnovation.com](http://www.compositesinnovation.com)**