CIMCOMP AND ITS ROLE IN THE UK COMPOSITES MANUFACTURING RESEARCH LANDSCAPE

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EPSRC CENTRE FOR INNOVATIVE MANUFACTURING IN COMPOSITES

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Abstract

The EPSRC Centre for Innovative Manufacturing in Composites (CIMComp) was set up in June 2011 following funding of £5.2 million over 5 years awarded by the Engineering and Physical Sciences Research Council (EPSRC) for the development of a national centre of excellence in fundamental research for composites manufacturing. CIMComp underpins the development of next-generation composites manufacturing processes based on low cost, short cycle times, efficiency and sustainability. CIMComp is led by the University of Nottingham and involves three other leading academic institutions in composites manufacture as core partners - the Universities of Bristol, Cranfield and Manchester. There are five additional Universities associated to CIMComp through funded project activities (Exeter, Glasgow, Imperial College, Queen’s Belfast and Sheffield). Current activities involve 33 industrial partners and four Technology Centres, with a portfolio of 32 inter-related projects and an Industrial Doctoral Centre, with a total portfolio value of over £30 million; this forms a key element in the UK Composites manufacturing R&D strategy. The seminar will introduce the role of CIMComp within the UK Composites manufacturing R&D and will give a quick-fire summary of the current projects running within CIMComp.

Biography

Dr Schubel is the National Centre Manager of the EPSRC Centre for Innovative Manufacturing in Composites (CIMComp) and Principal Research Fellow of the Faculty of Engineering at the University of Nottingham. He has worked for over 13 years on design and processing of composite components and structures, focusing in particular on automated manufacturing, process development, cost modelling and biocomposites for the automotive, aerospace and wind energy sectors. Over the last 10 years an estimated £6.2 million has been obtained in research grants and gaining special recognition at the Engineering Technology and Innovation Awards 2010 and JEC Innovation Awards 2011/2013. This work has involved collaboration with major industry partners including Gamesa, Vestas, Moog, GE, Rolls-Royce, Aircelle, BAE Systems, Hexcel, Fives, Ford, and Aston Martin. Dr Schubel has over 70 publications. He is regularly invited and chair/keynote speaker at leading national and international meetings and is on the review board for Horizon 2020 and CleanSky2 as well as several journals including Renewable Energy, Aircraft Engineering and Aerospace Technology and is on the Editorial Board for the Journal ‘Energy Science and Technology’, ‘Advances in material science and engineering’ and ‘International Conference on Manufacturing of Advanced Composites’.

WHEN
10 - 11am
Thursday 16 April 2015

WHERE
Room 132 (Blg 75)
AIBN Building