REACTICS

Reactive Structural Materials with Auxetic Inclusions

Developing next-generation advanced materials

Friday 11th December 2009

Council Room
The Institute of Materials, Minerals and Mining
1 Carlton House Terrace
London SW1Y 5DB

You are invited to:

An information and networking event celebrating the advances made in the Technology Strategy Board-funded *REACTICS* project developing *Auxetic* materials for incorporation within smart structures and composites for advanced materials applications.

Auxetics are:

Materials which get fatter when pulled and thinner when compressed! This unusual property leads to enhancements in a range of physical properties and consequently auxetics have been identified amongst smart materials having significant technological potential for the 21st Century.

The team:

Comprises industrial partners who already recognise the potential for auxetics to lead to enhanced commercial opportunities and competitive advantage, working with world-leading UK academics in the field.

The project:

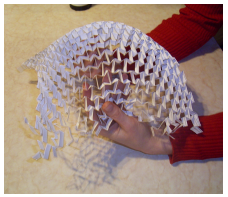
Has focussed on coordinated development of auxetic fibres (monofilaments and multifilaments), interface materials, gradient honeycombs, composite laminates and sandwich panels for components displaying improved attributes including

- Drape
- Light weighting
- Vibration damping
- Thermo-mechanical response

To confirm your place at this free event contact Donna Zarei with your name and affiliation:
Email: D.Zarei@bolton.ac.uk
Tel: 01204 903101

For further details contact Professor Andy Alderson (Project coordinator):
Email: A.Alderson@bolton.ac.uk
Tel: 01204 903513

Difficult to drape conventional honeycomb

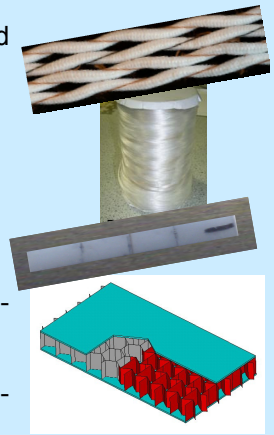


Auxetic 'easy drape' honeycomb

The event will:

- Inform you of recent developments towards realising commercial potential
- Enable you to network and discuss potential opportunities for mutual benefit
- Provide a forum for input to focus new activity in the future

10.15am	Arrival, registration and coffee
11.00am	Welcome and overview
11.15am	Multifilament yarns and fabrics
11.30am	Monofilaments
11.45am	Interface materials
12.00 noon	Cellular solids and sandwich structures
12.15pm	Summary of achievements & forward look
12.30pm	Lunch and networking
1.30pm	Panel discussion and wrap-up
2pm	End of Event



Technology Strategy Board
Driving Innovation

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