

09:30 – 10:00: Registration and coffees

10:00: Welcome and Introduction

10:10: **Keynote:** Out-of-Autoclave Technologies for High Volume Applications
Peter Quigley, CCP Gransden

Flow Processes Theme

10:25 – 10:40: Taking the high energy demand Out of Autoclave Processing of Composites

John Summerscales, University of Plymouth

10:40 – 10:55: Advancement in Resin Infusion Technology For Manufacture of High Quality Aerospace Components & Future Automation

Will Harris, Composite Integration

10:55 – 11:10: Commercial Manufacture of Low Cost Advanced Thermoplastic Composites

Saul Buchanan, Juno Composites Ltd

11:10 – 11:25: Process monitoring for resin transfer moulding

Jasmin Stein, TWI

11:25 – 11:45: Break

Materials Theme

11:45 – 12:00: TBC

Jed Illsley, TENCATE

12:00 – 12:15: Moving to thermoplastic composites for automotive structural parts

Virginia BOZSAK, ARKEMA

12:15 – 12:30: An Investigation of the Impact of a Thermoplastic Toughening Interlayer on an Infusion Manufacturing Process

Niamh Nash, Irish Composites Centre (IComp)

12:30 – 12:45: Direct forming of powder-impregnated thermoplastic composites: experimental characterisation and modelling of the shear behaviour

Théo BAUMARD, Queen's University Belfast

12:45 – 13:00: Fully recyclable epoxy based composite for out of autoclave processing

Gianluca Cicala, University of Catania

13:00 – 13:15: Novel Epoxy Powder Composites for Out-of-Autoclave Manufacturing of Large Structures

Conchur Ó Brádaigh, University of Edinburgh

13:15 – 14:00: Lunch

Preforming

14:00 – 14:15: Rapid and low-cost manufacturing insights from ShapeTex technology

Glen Pascoe, Shape Machining Ltd

14:15 – 14:30: 3D Woven Preforms for High-Pressure Resin Transfer Moulding

Hassan El-Dessouky, AMRC

14:30 – 14:45: Automated Preforming using Braiding Techniques

Brendan Kirwan, Burgmann Packings

14:45 – 15:00: Preforming and the HP-RTM process: Attitudes and Challenges

Lewis Munshi, University of Bristol

15:00 – 15:15: TBC

Alistair McIlhagger, Ulster University

15:15 – 15:30: Break

Manufacturing Theme

15:30 – 15:45: Out-of-autoclave consolidation and assembly of aerospace structures

Michael Flanagan, ÉireComposites Teo

15:45 – 16:00: Manufacturing Composite Materials

Michael Collins, Penso

Novel Heating Methods Theme

16:00 – 16:15: Out of Autoclave Composites Processing Using Infrared

Peter Marshall & Findhan Strain, Ceramicx & Comeragh Composites

16:15 – 16:30: Rapid processing of thermoplastic composites using Smart susceptors

Ananda Roy, Irish Composites Centre (IComp)

16:30 – 16:45: Microwave Curing of Composites

Betime Nuhiji, AMRC

16:45 – 17:00: Closing Remarks

17:00: End

Information on Posters coming soon.

Programme subject to change