

PROGRAMME

09.30 - 10.00 REGISTRATION

Session I - Materials in Aerospace (chair: Alison Crossley, University of Oxford)

10.00 - 10.30 **Manufacture of New Materials for Industrial Application using Droplets**

Patrick Grant (invited)

University of Oxford

10.30 - 11.00 **Microstructural Evolution in a Near- α Titanium Alloy, Timetal 834**

P S Davies

University of Sheffield

Session II - Manufacturing in Aerospace (chair: Alison Crossley, University of Oxford)

11.30 - 12.00 **The use of microscopy in the failure investigation of aeroengine components**

Jane Woolrich (invited)

Rolls Royce plc, Derby

12.00 - 12.30 **Lead free solders for aerospace applications**

Vitor Marques (invited)

University of Oxford

12.30 - 1.30 LUNCH, EXHIBITION AND POSTERS

Session III - Manufacturing in the Automotive Industry (chair: Debbie Stokes, FEI Company)

1.30 - 2.00 **Formula 1 Car Materials & Structural Design**

Brian O'Rourke (invited)

Williams Grand Prix Engineering Ltd

2.00 - 2.10 **Non-Linear Finite-Element Analysis of a Fibre Push-Out Test using a Cohesive-Zone Model and Interface Elements**

G Alfano

Brunel University

2.10 - 2.40 **Aluminium from Cans to Cars: Control of Surface Microstructure**

Geoff Scamens (invited)

Innoval Technology Limited

2.40 - 3.10 TEA, EXHIBITION AND POSTERS

**Session IV - Materials in the Automotive Industry
(chair: Steve Metcalfe, IMAS)**

3.10 - 3.40

Confocal microscopy in the corrosion science

Martin Jönsson (invited)

Sponsored by Olympus

KIMAB, Stockholm, Sweden

OLYMPUS

Your Vision, Our Future

3.40 - 4.10

Innovation in the Auto Industry

Matthias Werner (invited)*

NMTC, Berlin

4.10 - 6.00

Tour of Williams F1 Museum

Use of F1 Simulator in the Trophy Room

Sponsored by FEI UK Ltd



Drinks Reception in the Trophy Room

Sponsored by Carl Zeiss SMT Ltd



5.00

RMS AGM in the Ayrton Senna Theatre
