

43rd Annual Conference on Adhesion and Adhesives

Automotive and Aerospace Applications of Adhesives and Sealants

The dominant theme of this conference is high performance automotive and aerospace applications of adhesives and sealants. The event is well regarded as a premier international forum for the consideration of current concern and interest in this multi-disciplinary field of science and technology. A guiding principle has always been to present a varied menu in terms of scientific depth and applications breadth.

The majority of papers presented will be published in The International Journal of Adhesion and Adhesives.

Previous delegate comments have included...

"I found the day extremely interesting and useful"

"A very full programme and worth taking a day away from the office for"....."In addition to the professional presentations, there was time to network over an excellent lunch and evening dinner"

Joining Technology Research Centre School of Technology, Oxford Brookes University

The Joining Technology Research Centre (JTRC), led by Professor Allan Hutchinson, represents a major group within the School of Technology. JTRC offers a comprehensive range of research, testing and consultancy services for adhesive and sealant technologies applied in the aerospace, automotive, construction, general engineering and motorsport industries. The Centre is recognised as one of the leading establishments in the UK for providing industry with access to a unique combination of engineering and scientific skills. Most of the research efforts are directed towards adhesion, surface pretreatments, joint testing, joint modelling, joint design and joint durability. We are engaged in many research projects, both small and large, and a particular feature of our activity has always been industrial collaboration and practical relevance of the research outputs. (www.brookes.ac.uk/jtrc)

The School of Technology is a core partner in Faraday Advance, the Faraday Partnership in Materials for Transport that began in 2001. The University of Oxford leads it in collaboration with Oxford Brookes and Cranfield Universities, the Motor Industry Research Association, the Oxford Trust and The Heart of England Business Link. The role of the School of Technology is to research and develop assembly and disassembly techniques, and design details that will promote the efficient use and re-use of new materials and combinations of materials. The Partnership itself represents a node of the UK Materials Knowledge Transfer Network. (www.faraday-advance.net)

Programme

Registration and coffee 09.00

Conference concludes 17.30

Antony Dodworth, Bentley Motors

Metal with the dark side

Laurie Penn, Failsafe Metering Limited

Quality assured digital metering of adhesives for industrial applications

Peter Bain, De-Bonding Limited

De-Bonding TEM Technology for reuse and recycling automotive glazing and other bonded parts

Jago Pradie, Airbus UK and James Broughton, Oxford Brookes University

Composite truss structures for airframes

Tim Stanhope, Agusta Westland

The use and qualification of structural adhesives in rotocraft

Mike Johnson, Nottingham University

Radiation curing of adhesives using embedded optical fibres: matching of system parameters

Jeremy Bradley, Airbus UK

Sealant adhesion in aerospace engineering

Sylvain Pujol, Nottingham University

The effects of processing parameters on reactive epoxy adhesives

Chandra Rao and John Gilmore, PPG Aerospace, PRC-DeSoto, California

Spray-applied, 100% solids, high modulus integral fuel tank sealant

Bob Adams, Bristol and Oxford Brookes Universities

Impact strength of lap joints with special application to automobile applications

Steve Shaw, Defence Science and Technology Laboratory (DSTL)

Nanomaterials in structural adhesives – an update

Srinivasan Puri, Oxford Brookes University

NVH simulation of bonded automotive structures via implicit moment matching

Conference Evening 18.00

Sponsored by Elsevier Publishers

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Oxford Brookes University

Wednesday 4 July 2007

Three ways to book...

Post the completed booking form to:

Roz Smith, Conference Registration
School of Technology
Oxford Brookes University
Wheatley Campus, Wheatley
Oxford OX33 1HX UK

Fax the completed booking form to **+44 (0) 1865 484179**

Telephone +44 (0) 1865 483504 or email roz.smith@brookes.ac.uk

to provisionally reserve a place, then post or fax the completed form to confirm your place

Registration form

Please return this form by Friday 22 June 2007.

Name(s) of delegates, address and payment details should be given on the back of the form.

Conference fee	£125 + VAT	Total including VAT = £146.88
	£70 + VAT	For research students
		Total including VAT = £82.25

Fee includes:

Abstracts
Coffee/tea at registration
Lunch and refreshments
Conference evening

Number of places required

Total due £.....

Delegate details

Title Family name

First name

Address

..... Postcode

Daytime telephone Fax

Email address

Organisation

Occupation

Name(s) and occupation(s) of additional delegates

.....

Special dietary/mobility requirements

.....

Payment details

Please find cheque enclosed (payable to Oxford Brookes University)
Payment may be made by Sterling travellers' cheque or Eurocheque if you are booking from outside the UK

Please debit my credit card (Visa/Mastercard/Access/Amex/Switch/Delta)

Card no.....

Start date Expiry date Issue no (where applicable).....

Amount £ Signature

Name

Address.....

..... Postcode

Please invoice

Name

Address

..... Postcode

If you wish to be invoiced please send this form with either:
i your purchase order; or
ii written authorisation from your sponsor

New Technology Building – Motorsport Engineering Centre

The School of Technology is home to 1,500 undergraduate and postgraduate students, and a brand new, purpose-built, £8 million building was completed in 2006 for the engineering departments. The School is a renowned Centre of Excellence for motorsport and the new building includes a Motorsport Engineering Centre. The building provides state of the art teaching and research facilities, and close collaboration with industry ensures that the activities are leading edge. In 2007, two times Formula One World Champion driver Fernando Alonso backed a deal to sponsor 12 Spanish master's students in Motorsports Engineering.

Final year students design, build and race a car in the Formula Student Competition. Oxford Brookes was the top UK team in 2003, 2004 and 2006. In 2005, Brookes was the highest placed team in the American Formula SAE competition and set a world record in the skid pan event. The team has received many awards including those from Ford, Honda and the RAC. Over 70% of Oxford Brookes students who take Automotive and Motorsport Engineering go on to work in the industry.

For more detailed information about the conference technical programme, please contact:

Professor Allan Hutchinson, Joining Technology Research Centre,
Oxford Brookes University, Wheatley Campus, Wheatley Oxford, OX33 1HX.
Email: arhutchinson@brookes.ac.uk

For further information about the conference and accommodation in Oxford please contact:

Roz Smith, Joining Technology Research Centre,
Oxford Brookes University, Wheatley Campus, Wheatley, Oxford OX33 1HX
Tel: 01865 483504 Fax: 01865 484179 Email: roz.smith@brookes.ac.uk

To obtain a large-print copy of (or sections of) this publication or to enquire about other formats please contact +44 (0) 1865 484848 or email query@brookes.ac.uk

No refunds will be made for cancellations received less than 1 week prior to conference.
Non-arrivals will be charged the full fee.
A substitute delegate is welcome at no extra charge.
Oxford Brookes University reserves the right to alter the programme without notice.



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Automotive and Aerospace Applications

**A one-day conference from the Joining
Technology Research Centre**

Wednesday 4 July 2007

Oxford Brookes University
Motorsports Engineering Centre
School of Technology
Wheatley Campus
Wheatley
Oxon OX33 1HX