

Technologies for Niche Vehicle Design, Development and Manufacturing

Programme and Registration Brochure

Tuesday 12 September 2006

Hethel Engineering Centre, Hethel, Norwich, Norfolk

www.imeche.org.uk/events/niche



Co-sponsored by



RPMA

Rapid Prototyping & Manufacturing Association

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Technologies for Niche Vehicle Design, Development and Manufacturing

This seminar will examine the business case drivers, investment decisions and key subject areas surrounding the technologies necessary to succeed in low volume, niche vehicle manufacturing. The emphasis will be on novel vehicle architectures, effective vehicle design and development processes and the role of the supply chain.

Benefits of Attendance

By attending this seminar you will:

- Identify solutions for profitable, reduced volume vehicle manufacture
- Have the opportunity of understanding current and new technologies and their application to future niche vehicle manufacture
- Become aware of design methodologies and simulation tools

Who Should Attend

Attendance at this seminar will benefit those working in niche vehicle manufacturing. You will gain an update on the latest developments within the niche vehicle industry.

Exhibition and Sponsorship

This seminar will be supported by an associated exhibition. For more information on the exhibition, please contact Gilda Ereira on 020 7973 1317 or email g_ereira@imeche.org.uk

Organising Committee

| | |
|---------------------------------|---------------------------|
| Christopher Wheelans (Chairman) | Lotus Cars |
| John Swainston | Lotus Cars |
| Tracy Johnson | Lotus Cars |
| Dave Taitt | Hethel Engineering Centre |

PROGRAMME

Tuesday 12 September 2006

09.00 Registration and Coffee

09.30 Welcome and Introduction

Dave Taitt, Chairman, Hethel Engineering Centre

09.35 KEYNOTE ADDRESS

Simon Wood, Director of Engineering, Lotus Engineering

Session 1 – Materials and Joining Technologies

Chaired by Jason Rowe, Chief Materials Engineer, Lotus Engineering

09.45 Adhesively Bonded Automotive Structures

Bob Dorney-Smith, Head of Automotive Structures, Hydro

10.05 The Jaguar LWV Convertible and Coupe XK Body Design: Reviewing the Reasons for the Choice of Materials and Processes Used in their Construction

Mark White, Chief Technical Specialist BMW, Jaguar and Land Rover

10.25 Discussion

10.45 Morning Tea

Session 2 – Niche Manufacturing

Chaired by Clive Dopson, Managing Director, Lotus Cars

11.15 Niche Vehicles: an Overview

Dave Leggett, Editor, Just-Auto

11.35 Rapid Manufacturing

Neil Hopkinson, Lecturer, Loughborough University

11.55 Niche Vehicle Whole Life-Cycle Management

Ian Minards, Engineering Director, Aston Martin Lagonda

12.15 Discussion

12.35 Lunch

Session 3 – Vehicle Layout and Architecture

Chaired by Paul Pywell, Head of Project Management, Lotus Engineering

13.35 Development of the Architecture for the Esprit Replacement

Daryl Greig, Vehicle Architect, Lotus Engineering

13.55 Art to Part for Niche Vehicles

Paul Jagers, Product Engineering Director, Stadco Ltd

14.15 Discussion

14.35 Afternoon Tea

Session 4 - Vehicle Development

Chaired by Steve Swift, Head of Vehicle Engineering, Lotus Engineering

15.05 Certification and Development of Low Volume Cars

Malin Kjelberg, Research Engineer, Chalmers University of Technology

15.25 Driving Expertise in the Vehicle Development Process

Neil Hannemann, Engineering Director, McLaren Automotive Ltd.

15.45 Brake Systems for Niche Vehicles

Charles Bolton, Managing Director, AP Racing

16.05 Discussion

16.25 Closing Remarks

16.35 Close of Seminar

16.45 Factory Tour - Lotus Cars

A unique opportunity to see the whole niche vehicle assembly process from receipt of chassis, to engine integration, right through to bonding of exterior body panels.



Places will be limited so please indicate on the booking form whether you would like to attend.

17.45 End of Factory Tour

The Programme is subject to amendment

GENERAL INFORMATION

REGISTRATION

To register please return the completed registration form with the appropriate remittance.

CANCELLATIONS

For a refund of fees (less £25 + VAT admin charge), cancellations must be made at least two weeks prior to the event. Replacement delegates are welcome at any time.

VENUE

The seminar will be held at Hethel Engineering Centre, Hethel, Norfolk. It is located approximately 10 miles south of Norwich, two miles from the A11 Wymondham junction. Full details of how to reach the venue will be issued to delegates prior to the event.

ACCOMMODATION

The Corporate Team in association with the IMechE has arranged special discounted rates at local hotels for delegates. A list of hotels will be forwarded to delegates upon receipt of their registration and payment. Alternatively please contact the Corporate Team directly and quote ID number 8488HE.

Tel: 0845 6044060

Fax: 020 7828 6439

Email: events@corporateteam.com

Website: www.corporateteam.com/events/8488HE

SPECIAL REQUIREMENTS

Please inform Gilda Ereira of any special requirements (including dietary and access).

INSURANCE

The organisers do not accept liability for any injuries or losses of any nature incurred by delegates and/or accompanying persons, nor the loss or damage to their luggage and/or personal belongings

ENQUIRIES

Please address enquiries to the relevant department:

Event enquiries:

Gilda Ereira / Stephanie Love

Tel: 020 7973 1317/1312

Fax 020 7222 9881

Email: g_ereira@imeche.org.uk / s_love@imeche.org.uk

Registration enquiries:

Tina Churcher

Tel: 020 7973 1258

Fax 020 7222 9881

Email: t_churcher@imeche.org.uk

Membership of IMechE

Substantial discounts on attending events are available to IMechE Members. For full details of becoming a member of IMechE please contact the Membership Department on 0845 226 9191 Fax: 020 7090 1001

Membership Department

Institution of Mechanical Engineers

1 Birdcage Walk

London SW1H 9JJ

Technologies for Niche Vehicle Design, Development and Manufacturing

S1175

Fax completed form to: +44 (0)20 7222 9881

Post to: Registration S1175, 1 Birdcage Walk, London SW1H 9JJ UK

Online booking on: www.imeche.org.uk/events/niche

Please complete in BLOCK CAPITALS

| | |
|------------------------|---------------|
| Surname | Date of Birth |
| Title (e.g. Dr / Mr) | First Name |
| Job Title | |
| Organisation / Company | |
| Mailing Address | |
| Postcode | Country |
| Telephone | Fax |
| Email | |

REGISTRATION FEES:

(Includes attendance to the sessions, lunch, refreshments, and a copy of the seminar volume)

| | FEE | VAT | TOTAL | PAYABLE |
|-----------------------------------|---------|--------|---------|----------------------|
| IMechE Member | £180.00 | £31.50 | £211.50 | <input type="text"/> |
| Co-sponsoring Organisation | £180.00 | £31.50 | £211.50 | <input type="text"/> |
| Non Member | £220.00 | £38.50 | £258.50 | <input type="text"/> |
| Student / Retired | £ 60.00 | £10.50 | £70.50 | <input type="text"/> |

EXTRA ITEMS

| | | | | |
|---|--------|-------|--------|--|
| Invoice Charging (if applicable) | £10.00 | £1.75 | £11.75 | <input type="text"/> |
| Factory Tour (complimentary) | | | | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| TOTAL | | | | £ <input type="text"/> |

PLEASE DO NOT SEND PAYMENT SEPARATELY FROM THIS BOOKING FORM

| | | |
|---|--|--------------------------------------|
| Membership Status: Are you a: | | None of these? |
| Member of IMechE? Please tick | Member of a Co-Sponsoring Institution?* Please specify | Please tick <input type="checkbox"/> |
| Fellow <input type="checkbox"/> Affiliate <input type="checkbox"/> | | |
| Member <input type="checkbox"/> Student Affiliate <input type="checkbox"/> | | |
| Associate Member <input type="checkbox"/> Other IMechE <input type="checkbox"/> | | |
| *see general information | | |
| IMechE Membership No. (if applicable): | | |

Please indicate method of payment

Cheque Credit Card Invoice Sterling Draft

Data Protection: The IMechE would like periodically to send you information on events, conferences and publications that you may be interested in. Would you like to receive such information? Yes No

LATE REGISTRATIONS:

After 29/08/2006 please phone 020 7973 1258 to confirm the availability of places and then fax a copy of the registration form to +44 (0)20 7222 9881

PAYMENT DETAILS:

By Cheque:

Cheques should be in Sterling and made payable to 'Institution of Mechanical Engineers'

By Credit Card:

Please charge my Eurocard/ Mastercard/ Visa * card (* delete as appropriate)
NB Diners Club, American Express and Maestro Cards are NOT accepted

Total amount £

Card no: _____

Valid from date Expiry date Signature

Address at which the card is registered (if different from above)

.....

.....

Authorisation code (office use only) Obtained by:

A VAT receipt will be issued upon card's authorisation

INVOICE DETAILS (UK DELEGATES ONLY):

Delegates wishing to be invoiced must provide an order number or the registration cannot be processed and will be returned. If your company does not use order numbers please enclose a formal request for invoicing on your company's letterhead.

A charge of £10 + VAT will be made for each invoice to cover additional administration costs

Order Number

Contact Name

Name and Address for invoicing

.....

.....

..... Post Code

Tel: Fax:

Invoices are payable on receipt and no alterations to these terms will be accepted.

PAYMENT BY OVERSEAS DELEGATES:

Overseas delegates may pay by credit card (see above) or by sterling draft drawn on a UK bank. NB The draft MUST accompany this form. And it is the delegate's responsibility to pay bank charges. Please note our bank details:

IMechE Current Account, Natwest Charing Cross Branch
Sort Code 60-40-05, Acc No 00817767.

We regret that we are unable to invoice overseas delegates.

VAT REG. NO. GB 299 9304 93

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