

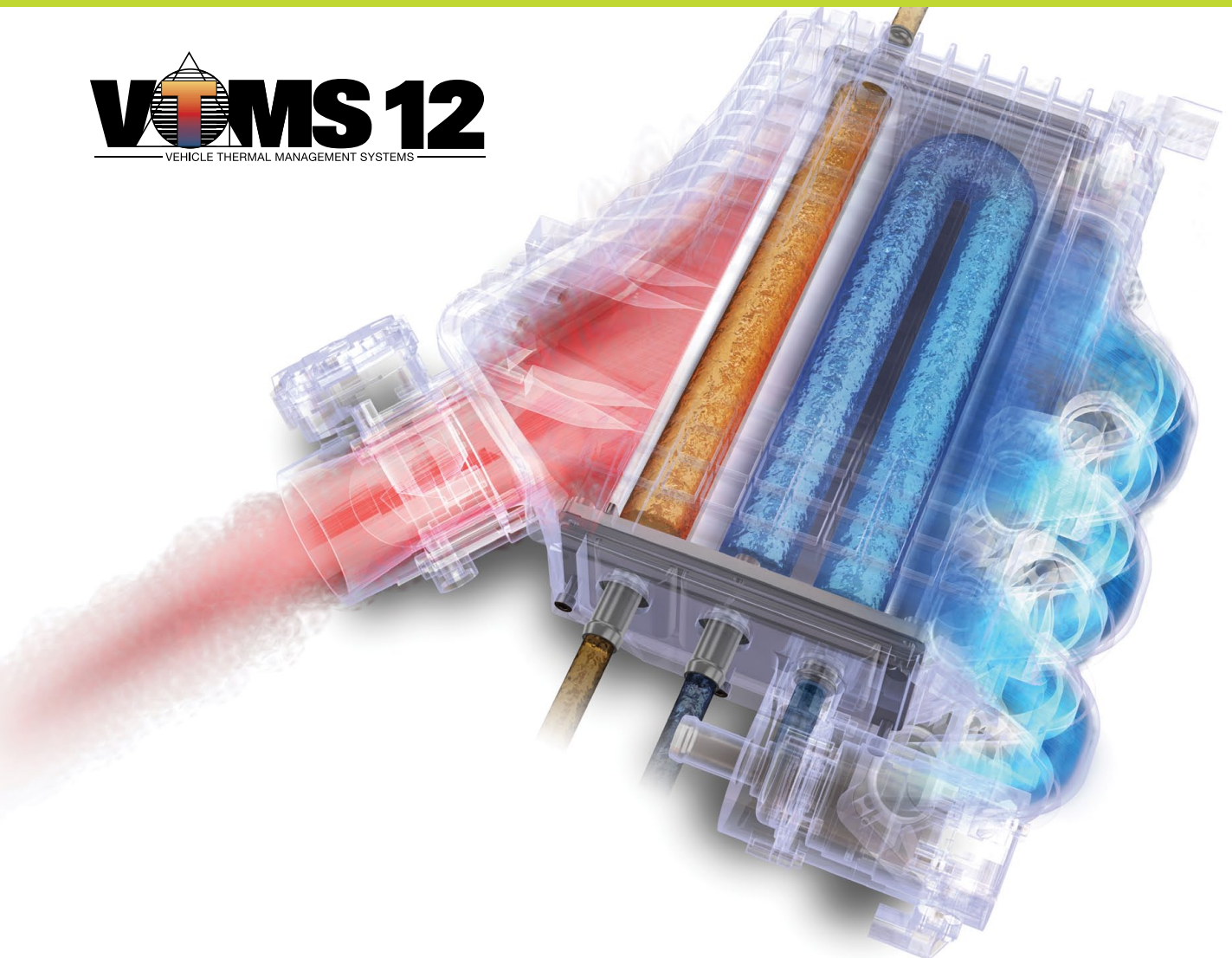
# CALL FOR PAPERS: VEHICLE THERMAL MANAGEMENT SYSTEMS CONFERENCE & EXHIBITION

Institution of  
**MECHANICAL  
ENGINEERS**

Automobile Division and  
Combustion Engine & Fuels Group  
**Call for Papers**  
Abstracts deadline: **30 September 2014**

10–13 May 2015  
Nottingham  
[www.imeche.org/events/C1400](http://www.imeche.org/events/C1400)

**VTMS12**  
VEHICLE THERMAL MANAGEMENT SYSTEMS



## **VEHICLE THERMAL MANAGEMENT SYSTEMS CONFERENCE & EXHIBITION**

### **VTMS IS A DEDICATED INTERNATIONAL CONFERENCE FOR VEHICLE THERMAL MANAGEMENT SYSTEMS**

VTMS 12 will cover the latest research and technological advances in the field of heat transfer, energy management, thermal comfort and the efficient integration and control of all thermal systems within the vehicle. The programme will feature plenary sessions, break out technical sessions, panel discussions, and an associated exhibition.

#### **MAJOR TOPICS TO BE ADDRESSED INCLUDE:**

##### **HEAT EXCHANGERS AND COMPONENTS FOR THERMAL MANAGEMENT SYSTEMS**

- Design and latest component developments
- Material and process developments for future requirements
- Trends and challenges for manufacturing
- New testing methodologies for heat exchange components
- Coolant and refrigerant trends

##### **POWERTRAIN THERMAL MANAGEMENT**

- IC engine thermal loading, exhaust and emissions
- HEV, EV and alternative powertrain challenges
- Waste heat recovery and thermodynamic efficiency improvement

##### **VEHICLE THERMAL MANAGEMENT**

- Cooling systems
- Thermal management for electrical systems
- Heating, air conditioning, thermal comfort and climate control
- Underhood heat transfer and air flow management
- Thermal systems control, analysis and integration

## **OFFERS OF PAPERS**

**Have you been working on an interesting research topic or developing new technologies? Why not share your knowledge and experience by presenting a paper?**

The first step is to produce an abstract of your proposed paper. This needs to outline what you will talk about, in no more than 250 words. Your abstract should be written in English and include your name, paper title and affiliations.

**The deadline for abstracts is 30 September 2014**

**Please submit your abstract at:  
[www.imeche.org/automobile/VTMS12](http://www.imeche.org/automobile/VTMS12)**

## NEXT STEPS

The Organising Committee will select authors and invite them to submit a draft paper of up to 4,000 words.

**The deadline for draft papers is 26 November 2014.**

All draft papers submitted will be considered and refereed by two independent reviewers from industry; final acceptance will depend on the content of the final manuscript and receipt by **25 February 2015**.

Authors are required to attend the conference to present their work, and enjoy a substantially reduced registration fee. Please note, the Institution will not be able to reimburse any travel or accommodation expenses. All accepted papers will be published and made available to conference delegates.

## IMECHE ORGANISING COMMITTEE

- Darren Butler (Chairman), Nissan
- Nick Burns, Bentley Motors
- Jon Caine, Ford Motor Company
- Dr Tim Cowell, VTS Consult Ltd
- Mr Richard Davies, Calsonic Technology Centre Europe
- Mr Clive Hughes, Tata Motors
- Dr Martin Jones, MIRA Ltd
- Thomas Heckenberger, Delphi
- Eur Ing Professor Morgan Heikal University of Brighton
- Dr Christophe Petitjean, Valeo
- Dr Cedric Rouaud, Ricardo UK Ltd
- Professor Paul Shayler, University of Nottingham
- Professor Peter White, University of Coventry
- Mr Ben Wickstead, Jaguar Land Rover
- Dr Bernd Grünenwald, Mahle Behr
- Paul Hillman, Calsonic Technology Centre Europe

## SPONSORSHIP & EXHIBITION OPPORTUNITIES

### GET INVOLVED

Attending this event as either an exhibitor or sponsor will give you the opportunity to display your solutions, services and products to the right people at the right time.

This is an excellent way to enhance your company profile and communicate effectively to your target audience.

### BENEFITS OF SPONSORING

- Showcase new products
- Raise awareness of your operation
- Improve perception of your brand
- Influence other organisations' spending plans

For sponsorship and exhibition enquiries, please contact our sponsorship team on **+44 (0)20 7973 1309** or email **sponsorship@imeche.org**

## ENQUIRIES

For further information, please contact our enquiries team on **+44 (0)20 7973 1258** or email **eventenquiries@imeche.org**

Find out more about the event at: **www.imeche.org/events/C1400**

**REGISTER YOUR INTEREST**

**C1400: VEHICLE THERMAL MANAGEMENT SYSTEMS  
CONFERENCE & EXHIBITION**

**NOTTINGHAM**  
10–13 MAY 2015

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Please tick where appropriate.

**I would like to receive information on attending the Conference**

**I would like to receive information on sponsoring or exhibiting at the Conference**

**Delegate Details**

Name \_\_\_\_\_

Position \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_ Postcode \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

Institution of Mechanical Engineers Member No. (if applicable) \_\_\_\_\_

**Please attach your business card to this form.**

The Institution would like to send you information periodically on industry events that you may be interested in. Please tick the box if you would like to receive such information

**OTHER EVENTS TO LOOK FOR:**

24 June 2014, London

**ARE THE NEW RULES FOR  
FORMULA 1 WORKING?  
IF NOT, WHAT ARE THE  
ALTERNATIVES?**

Are Formula 1 engines and their complex hybrid energy recovery systems hitting their brief? What's gone right – and what's gone wrong? Panellists include two of the sharpest technical minds in the pit lane, a sales director from one of Britain's most famous and respected racing companies and leading F1 journalist Mark Hughes.

[www.imeche.org/events/L368](http://www.imeche.org/events/L368)

9–13 July 2014, Silverstone

**FORMULA STUDENT**

Formula Student is Europe's most established educational motorsport competition, run by the Institution of Mechanical Engineers. Backed by industry and high-profile engineers such as our Patron Ross Brawn OBE, the competition aims to inspire and develop enterprising and innovative young engineers.

[www.formulastudent.com](http://www.formulastudent.com)

11 September 2014, London

**GASEOUS FUELS  
FOR ROAD VEHICLES**

This seminar will examine the application and use of gaseous fuels in vehicles. Delegates will be able to explore the different types of gases that can be used as fuels, and gain an insight into the benefits gaseous fuels have over traditional liquid fuels. What difference can they make to emissions, and CO<sub>2</sub> and fuel consumption? How can they be applied to passenger and commercial vehicles?

[www.imeche.org/events/S1807](http://www.imeche.org/events/S1807)

If you're interested in any of these events, please contact enquiries on +44 (0) 207 973 1258 or [eventenquiries@imeche.org](mailto:eventenquiries@imeche.org)

**FOLLOW OUR WEEKLY UPDATES  
ON [WWW.IMECHE.ORG](http://WWW.IMECHE.ORG)**