

# CALL FOR PRESENTATIONS: VTMS 16: VEHICLE THERMAL MANAGEMENT SYSTEMS

Institution of  
**MECHANICAL  
ENGINEERS**

5-6 June 2024  
Midlands, UK

Automobile Division and Powertrain  
Systems and Fuels Group

## **CALL FOR PRESENTATIONS:**

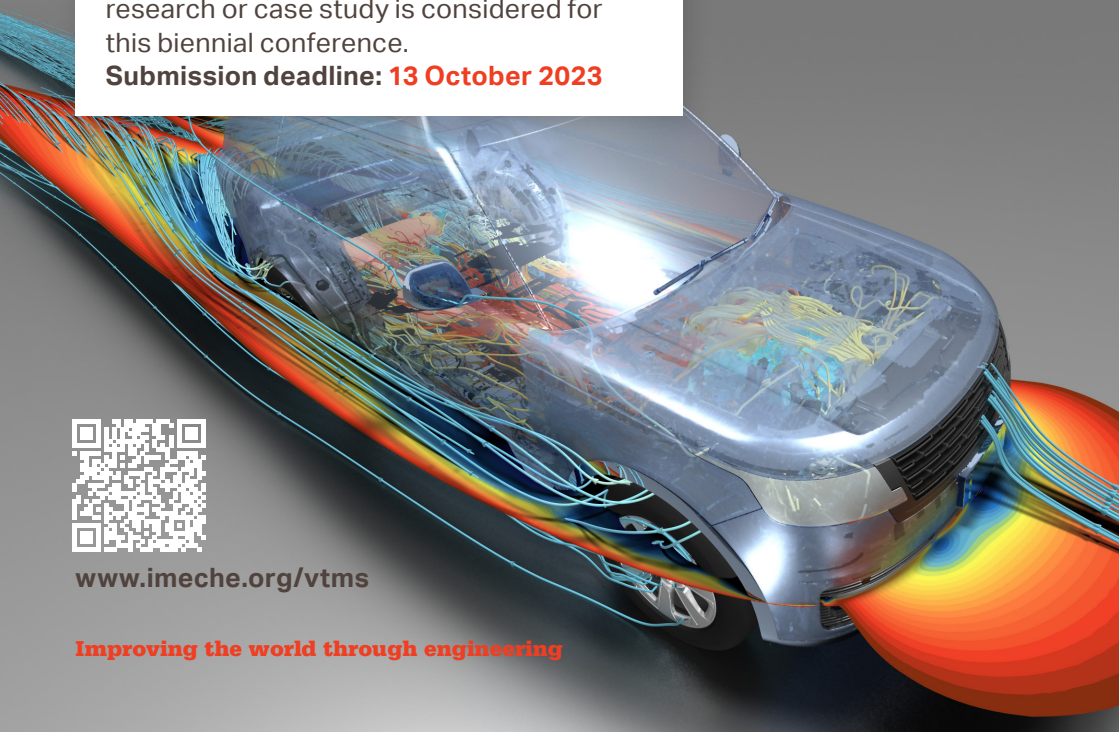
Submit your abstract today to ensure your research or case study is considered for this biennial conference.

**Submission deadline: 13 October 2023**



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# VTMS 16: VEHICLE THERMAL MANAGEMENT SYSTEMS

5-6 June 2024, Midlands, UK

## VTMS 16: dedicated to discussing the latest international developments in Vehicle Thermal Management Systems

With the increasing adoption of electric battery technology and fuel cells in transport applications, the challenges involved in vehicle thermal management have never been so diverse.

VTMS 16 will showcase the latest research and technological advances in heat transfer, energy management, thermal comfort and the efficient integration and control of all thermal systems within the vehicle.

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## TOPICS TO BE ADDRESSED:

### Vehicle Thermal Management

- xEV cooling system design and optimisation
- Integrated thermal management systems
- Heating, air conditioning, thermal comfort and climate control
- Vehicle air flow optimisation
- Thermal management system life cycle analysis
- New thermal experimental and simulation methodologies

### Powertrain Sub-System Thermal Management

- Battery and energy storage thermal systems
- Ultra-fast charger thermal management
- Fuel cell thermal systems and control
- Traction motor thermal management
- Power electronics thermal management

- Decarbonised IC engine thermal management
- Waste heat recovery systems

### Components, Materials and Coatings for Thermal Management Systems

- Heat exchanger advanced design, manufacturing and materials
- Advanced active and passive thermal components
- Advanced cooling and refrigerant fluids
- Advanced thermal coatings and surface treatments
- Component advanced manufacturing and recycling/repurposing
- Future requirements on heat exchanger components

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## HOW TO SUBMIT

- 1) Produce a summary of your proposed presentation. This needs to outline what you will talk about in 500 words. Your summary should be written in English and include your name, presentation title and affiliations and will be made available to the conference delegation.
- 2) Email your abstract to **eventconcepts@imeche.org** by **13 October 2023**
- 3) Following the submission deadline the IMechE will be in touch to notify presenters if the presentation has been accepted. Draft presentations will be required by **9 April 2024**

### Sponsorship Opportunities

Why not enhance your brand awareness through our range of sponsorship and exhibition opportunities available at this user group?

**For more information please call +44 (0)20 7973 1309 or email [daniel.anglin@imeche.org](mailto:daniel.anglin@imeche.org)**