

ISO 26262: FUNCTIONAL SAFETY FOR ENGINEERING

SAVE 10%
OFFER ENDS
21 APRIL 2017

Institution of
**MECHANICAL
ENGINEERS**

24 May 2017

Hilton Birmingham Metropole NEC,
Birmingham

More details available at
www.imeche.org/iso26262

KEY SPEAKERS INCLUDE:

Roger Rivett, Functional Safety Technical Specialist
Jaguar Land Rover

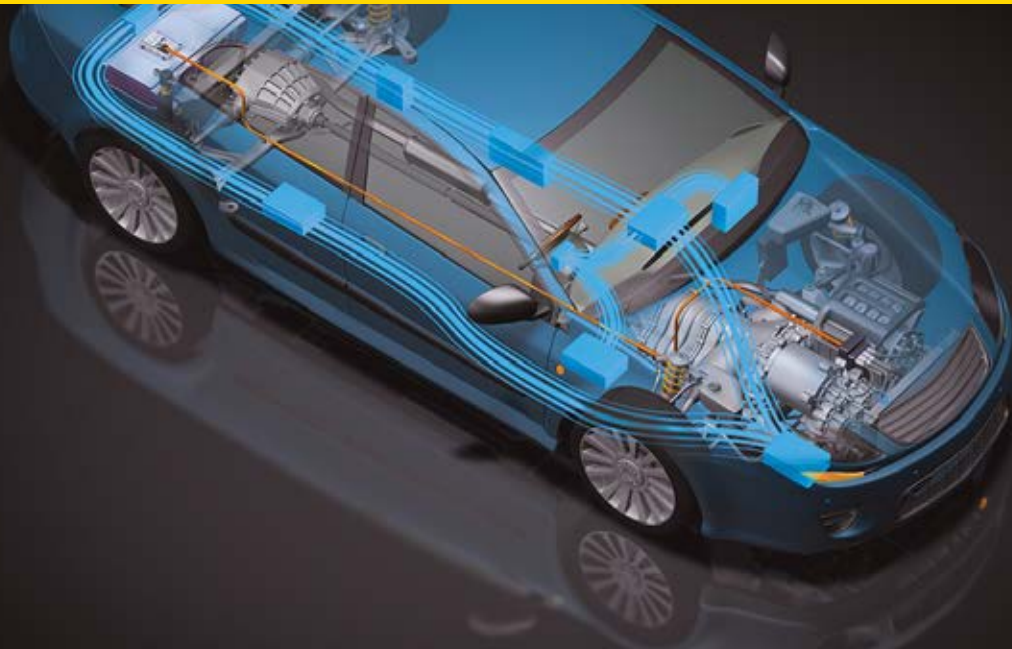
Per Johannessen, Chief Project Manager
and Technology Specialist Functional Safety
Volvo Group

Russell Shipton, Group E&E Compliance
and Functional Safety Manager
JCB

Simone Fabris, Engineering Manager - System design
ZF TRW

Helen Monkhouse, Commercial Manager
- Functional Safety
HORIBA MIRA Ltd.

Knowledge Transfer
Seminar



EVENT PARTNERS :

topEngineer



NAVIGANT
RESEARCH

ABIresearch



BOOK EARLY AND SAVE UP TO 10%
OFFER ENDS 21 APRIL 2017

**TERMS AND
CONDITIONS
APPLY**

ISO 26262: FUNCTIONAL SAFETY FOR ENGINEERING

24 MAY 2017, HILTON BIRMINGHAM METROPOLE NEC

ISO 26262: FUNCTIONAL SAFETY FOR ENGINEERING IS DESIGNED TO PROVIDE CLARITY ON HOW THE CURRENT STANDARD IMPACTS AUTOMOTIVE ENGINEERING AND THE KEY CHANGES THAT EDITION 2 WILL BRING IN JANUARY 2018. PREPARE FOR THE CHANGES WITH GUIDANCE DIRECT FROM THE ISO 26262 WORKING GROUP OVER SIX MONTHS BEFORE THE NEW EDITION OF THE STANDARD COMES OUT.

With the development of Advanced Driver Assistance Systems (ADAS) integration and autonomous vehicles, hear how pioneers in this technology are incorporating ISO 26262 into their design processes. Gain best practice and lessons learned when meeting the original standard from leading OEMs across the automotive industry.

Benefit from the opportunity to meet with functional safety specialists, design engineers, testing specialists and project leads from vehicle OEMs to gain insight about how to best meet this standard.

KEY TOPICS INCLUDE:

- The **ISO 26262 Working Group** clarify the impact of the standard and Edition 2 on your systems engineering
- **Jaguar Land Rover** present on their experience of managing functional safety activities for ADAS
- Hear from **Volvo Group** about preparing for the implementation of ISO 26262 in their truck development
- **JCB** present on incorporating the principles of the standard into functional safety for off-highway vehicles
- Hear how ISO 26262 is included into autonomous vehicle research and design from **Transport Catapult**
- **ZF TRW** share their experience of incorporating functional safety into vehicle component design

ORGANISING/ADVISORY COMMITTEE:

David Ward, Head of Functional Safety
HORIBA MIRA Ltd.

Roger Rivett, Functional Safety Technical Specialist
Jaguar Land Rover

ATTEND THIS EVENT TO:

- Gain insights direct from the ISO 26262 Working Group about the current standard and how to prepare for Edition 2
- Hear practical guidance from leading OEMs and how they are meeting the standard
- Benefit from best practice case studies on preparing safety cases to take back to your organisation
- Understand how to incorporate functional safety into ADAS and autonomous function design
- Hear the lessons learned from other sectors of the automotive industry, including off-highway and motorsport engineering
- Network with functional safety specialists, autonomous vehicle researchers and project and design engineers from leading OEMs and suppliers

WHO SHOULD ATTEND?

All automotive professionals involved in the design and manufacture of vehicles will benefit from this seminar.

Specifically, all Heads, Directors, Managers and Engineers who are involved in the following areas are strongly recommended to attend:

- Functional safety
- Electrical and electronic systems
- Compliance
- Risk assessment and management
- Research and development
- ADAS and Autonomous vehicles
- Technical engineering

BOOK YOUR PLACE TODAY
WWW.IMECHE.ORG/ISO26262

TERMS AND
CONDITIONS
APPLY

PROGRAMME

WEDNESDAY 24 MAY	
08:30	REGISTRATION AND REFRESHMENTS
09:00	CHAIR'S OPENING REMARKS
	UNDERSTANDING ISO 26262 AND INCOMING EDITION 2
09:10	A UK TECHNICAL EXPERT'S INSIGHT INTO THE FUNCTIONAL SAFETY STANDARD ISO 26262 Dave Higham, Head of Functional Safety, Delphi Diesel Systems
09:35	EDITION 2: WHAT IMPACT WILL IT HAVE ON YOUR SYSTEMS ENGINEERING? Helen Monkhouse, Commercial Manager - Functional Safety, HORIBA MIRA Ltd.
10:00	THE ROLE OF THE MECHANICAL ENGINEER IN MEETING ISO 26262 Roger Rivett, Functional Safety Technical Specialist, Jaguar Land Rover
10:25	QUESTION AND ANSWER SESSION
10:40	NETWORKING REFRESHMENT BREAK
	FUNCTIONAL SAFETY ACROSS THE AUTOMOTIVE INDUSTRY
11:10	USING TECHNOLOGY QUICKLY: USING FUNCTIONAL SAFETY TO AID RAPID SYSTEMS DEVELOPMENT IN F1 AND BEYOND Angus Lyon, Director, Rockfort Engineering Ltd.
11:35	IMPLEMENTATION OF ISO 26262 FOR VOLVO TRUCKS Per Johannessen, Chief Project Manager and Technology Specialist Functional Safety, Volvo Group
12:00	FUNCTIONAL SAFETY FOR OFF-HIGHWAY VEHICLES Russell Shipton, Group E&E Compliance and Functional Safety Manager, JCB
12:25	QUESTION AND ANSWER SESSION
12:40	NETWORKING LUNCH
	ISO 26262: DESIGN AND IMPLEMENTATION
13:40	DESIGN OF ADAS SYSTEM ACCORDING TO ISO 26262 AND SAFETY OF THE INTENDED FUNCTION (SOTIF) PRINCIPLES Simone Fabris, Engineering Manager - System design, ZF TRW
14:05	MANAGING FUNCTIONAL SAFETY ACTIVITIES FOR ADAS Edith Holland, Lead Engineer - Functional Safety EESE, Jaguar Land Rover
14:30	APPLYING ISO 26262 TO CONNECTED AND INCREASINGLY AUTOMATED VEHICLES (CAVS) Alan Peters, Principal Technologist - Automated Transport Systems, Transport Catapult
14:55	QUESTION AND ANSWER SESSION
15:10	NETWORKING REFRESHMENT BREAK
15:40	INDUSTRIAL RESEARCH PROGRAMME PICASSOS - PRACTICAL APPLICATIONS OF AUTOMATED FORMAL METHODS TO SAFETY RELATED AUTOMOTIVE SYSTEMS John Botham, Technical Specialist - Safety Critical Systems and Software, Ricardo
16:05	FROM AUTOMOTIVE SAFETY TO AUTOMOTIVE SECURITY: PROGRESS, POSSIBILITIES AND PITFALLS Jeremy Bryans, Research Fellow, Centre for Mobility and Transport Research, Coventry University
16:30 PANEL DISCUSSION	COMMUNICATING AND IMPLEMENTING ISO 26262 Per Johannessen, Chief Project Manager and Technology Specialist Functional Safety, Volvo Group Edith Holland, Lead Engineer - Functional Safety EESE, Jaguar Land Rover Helen Monkhouse, Commercial Manager - Functional Safety, HORIBA MIRA Ltd.
17:00	CHAIR'S CLOSING REMARKS
17:10	END OF SEMINAR

For the most up-to-date and detailed programme for the event, please visit:
www.imeche.org/iso26262

- This programme is subject to change.
- The Institution is not responsible for the views or opinions expressed by individual speakers.

HOW TO BOOK YOUR PLACE

FEES AND CHARGES

Registration fees include entry to the sessions, refreshments and a copy of the conference proceedings.

Fees and charges	Early Bird Rates until 21 April 2017	Standard Rates
Member, Institution of Mechanical Engineers/ Supporting Organisation	£270 + VAT = £324	£300 + VAT = £360
Non-member	£390 + VAT = £468	£420 + VAT = £504
Student/Retired	£99 + VAT = £118.80	£110 + VAT = £132

THREE WAYS TO BOOK

- 1 Online:
www.imeche.org/iso26262
- 2 Email:
eventenquiries@imeche.org
- 3 Phone:
+44 (0)20 7973 1251

Please read the information listed below as each booking is subject to the Institution's standard terms and conditions.

CONDITIONS OF BOOKING

Completed application forms should be returned to the address above, along with the correct payment. Attendance at the event will be confirmed on receipt of the full balance. All participants are advised to bring a copy of their confirmation with them on the day, to ensure the fastest possible entry.

SPECIAL REQUIREMENTS

Please inform us of any special requirements, ie dietary or access, on the relevant section of the booking form or email eventenquiries@imeche.org.

CANCELLATION

For a refund (minus £25+VAT admin charge), cancellations must be received at least 30 days prior to the event. Replacement delegates are welcome at any time. The Institution reserves the right to cancel any event. In this case, the full fee will be refunded unless a mutually convenient transfer can be arranged. In the event that the Institution postpones an event for any reason and the delegate is unable or unwilling to attend on the rescheduled date, they will receive a full refund of the fee paid. The Institution is not

responsible for any loss or damage as a result of a substitution, alteration or cancellation/postponement of an event. The Institution shall assume no liability whatsoever if this event is cancelled, rescheduled or postponed due to a fortuitous event, Act of God, unforeseen occurrence or any other event that renders performance of this conference impracticable, illegal or impossible. For the purposes of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergency.

Please note that while speakers and topics were confirmed at the time of publishing, circumstances beyond the control of the organisers may necessitate substitutions, alterations or cancellations of the speakers and/or topics. The Institution reserves the right to alter or modify the advertised speakers and/or topics if necessary without any liability to you whatsoever. Any substitutions or alterations will be updated on the event's webpage as soon as possible.

LIABILITY

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

CONFERENCE VENUE

Hilton Birmingham Metropole NEC
The NEC Birmingham
Pendigo Way
Marston Green
Birmingham
B40 1PP

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.

BENEFITS OF SPONSORING

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

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

For more information please call

+44 (0)20 7973 1309

or email sponsorship@imeche.org

PE

DOWNLOAD
THE PE APP

Access
the latest
engineering
news

www.imeche.org/peapp



Institution of
**MECHANICAL
ENGINEERS**

The Institution of Mechanical Engineers
is a registered charity (no 206882)
VAT No GB299930493.

1 Birdcage Walk
Westminster
London
SW1H 9JJ

T +44 (0)20 7222 7899
www.imeche.org

FORWARD THINKING

We are the market leader among professional engineering bodies. We've been supporting engineers since 1847 and have 113,000 members in over 140 countries, working in the world's most dynamic and important industries. Our comprehensive events programme brings you the latest research and best practice from industry and academia.

OTHER EVENTS TO LOOK FOR



OFF-HIGHWAY VEHICLES

25 April 2017
Birmingham

The only technical event addressing engineering across the off-highway sectors involved in designing, developing and optimising off-highway vehicles.

www.imeche.org/offhighway



REAL DRIVING EMISSIONS: ADAPTING TO CHANGING REGULATION

23 May 2017
Birmingham

Hear how thought leaders in the automotive industry are adapting to comply with changing legislation, with further guidance from the Department for Transport and insight from industry specialists in emissions testing.

www.imeche.org/emissions

The Institution of Mechanical Engineers organises over 120 events a year, including free-to-attend lectures as well as conferences, seminars, annual luncheons and dinners. Please visit www.imeche.org/events for the complete list of events.

Follow us on Twitter

 twitter.com/imecheevents