

PROGRAMME

08:45	Registration and refreshments
09:15	Chairman's welcome and introduction Dr David Ward , Head of Functional Safety, HORIBA MIRA Ltd
09:20	Keynote address: Update on the upcoming second edition of ISO 26262 <ul style="list-style-type: none"> ▪ Understanding why the standard is being updated ▪ Reviewing implications of the changing standard on emerging vehicle technologies including autonomous vehicles ▪ Looking at J2980 and its impact on ISO 26262 ▪ Global adoption and the challenges we perceive Dr David Ward , Head of Functional Safety, HORIBA MIRA Ltd
10:10	Hazard Analysis and Risk Assessment According to ISO 26262 <ul style="list-style-type: none"> ▪ The ISO 26262 approach to risk assessment ▪ ASIL as a measure of risk and as an attribute of a safety requirement ▪ The ISO 26262 approach to achieving risk reduction ▪ The role of safety goals Roger Rivett , Functional Safety Technical Specialist, Jaguar Land Rover
10:45	Refreshments and networking
11:10	Safety Goals and the Functional Safety Concept <ul style="list-style-type: none"> ▪ Reviewing differences to consider when developing elements with different ASIL targets ▪ ASIL targets and how these can be assessed for safety ▪ ISO 26262 is being revised – what to look out for in relation to these changes Helen Monkhouse , Product Safety Manager, Protean Electric
11:45	Case study: Auditing to ISO 26262 <ul style="list-style-type: none"> ▪ Hear about the challenges in auditing to ISO 26262 Dr David Ward , Head of Functional Safety, HORIBA MIRA Ltd and Dr Ileri Ibarra , Chief Engineer, Functional Safety, HORIBA MIRA Ltd
12:20	Lunch and networking
13:30	The application of ISO 26262 to Advanced Driver Assistance Systems <ul style="list-style-type: none"> ▪ Exploring the challenges in applying ISO 26262 within driver assistance systems; overcoming complexity and distribution ▪ Creating safety cases for complex distributed systems taking into account product and process evidence ▪ Looking at the case study of systems to assist the driver in congested traffic situations

	Dr Ileri Ibarra, Chief Engineer, Functional Safety, MIRA Ltd
14:05	ISO 26262 for Electric Vehicles <ul style="list-style-type: none"> ▪ Understand the extensions needed within ISO 26262 to cover electric vehicles ▪ Learn about the technical impacts of charging infrastructures on the standard and discover the equivalent standards for infrastructure based systems ▪ Realise what actions you can start taking to ensure that you're ready for the update edition Ian Yarnold, Head of International Vehicle Standards Division, Department for Transport (DfT) TBC
14:40	Refreshments and networking
15:00	Automotive Security and its relationship to Functional Safety – performing a safety assessment of your system <ul style="list-style-type: none"> ▪ As vehicle features are being more complex, security techniques and hacking prevention within the vehicle is becoming increasingly important ▪ Reviewing steps you can take to ensure that electronic systems will deliver the required functionality safely and reliably, without interference ▪ How to safety assess against ISO 26262 – experiences shared Dave Higham, Head of Functional Safety, Powertrain, Delphi
15:35	Model-based safety cases: integrating design and safety within the context of the safety assessment for ISO 26262 <ul style="list-style-type: none"> ▪ Safety cases in ISO 26262 ▪ MISRA guidelines on automotive safety cases ▪ Automated support for generation of safety cases from work products ▪ Improved integration between models in design, e.g. item definition and safety activities e.g. FMEA Dr Ibrahim Habli, Research & Teaching Fellow, Safety-Critical Systems, University of York
16:10	Q&A and open discussion
16:30	Chairman's summary of the day and closing remarks
16:40	Close