SCSC

FOR EVERYONE WORKING IN SYSTEM SAFETY

www.scsc.uk/events

This seminar is an opportunity to hear a range of talks by industry experts on the challenges facing independent assessment of autonomous systems.

It is aimed at those involved with assessment in any sector, and those who must manage, review or regulate their safety aspects.

Details of this and other events at: www.scsc.uk

ISA Perspective on Autonomous Vehicles

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THE SAFETY-CRITICAL SYSTEMS CLUB

ISA Working Group Seminar: Eye of the ISA on Highly Automated Vehicles

17th May 2018
London Hilton Euston Hotel, London WC1H 0HT

In the ongoing series of workshops from the Independent Safety Assessors' (ISA) Working Group, 2018's seminar will focus on the challenges associated with the highly automated and autonomous transportation being developed in many domains. It will cover different industries, and applications, from autonomous vehicles to swarms and collaborative systems. It will examine the issues they present for Independent Safety Assessment and stakeholders wishing to provide safety assurance.

The seminar includes workshop sessions allowing attendees to examine challenges that autonomous vehicles pose to the assessment of:

- specification, design, development and verification phases
- validation, acceptance, introduction to service and through-life phases

With the workshop emphasising the perspective of the ISA the aim is to identify current good practice in the independent safety assessment of autonomous vehicles, and the areas where guidance and further work are needed.

There will be a wrap-up session at the end of the afternoon.

Cost and registration: Club members: £195, including lunch and refreshments (no VAT). Non-members pay an extra £95 for Club membership. Students and those under 26: £100, including annual membership. Joining instructions and the programme will be sent to delegates about two weeks before the event. Delegates must book their own accommodation (if required).

Safety-Critical Systems Club: I would like to attend the seminar on May 17th, 2018

Name ....Organisation...

Address..

Telephone .... Email ....Vegetarian: Yes/No

❑ I am not an SCSC member, so need to join and pay £290   ❑ I qualify for the SCSC member rate of £195

To pay by cheque, please enclose a cheque for £195 or £290, payable to: University of York

To pay by credit card, please complete the following: ❑ MasterCard ❑ Visa ❑ American Express

Name on card .... Card number..

Amount to be charged .... Expiry date .... Security No.

Please provide security number by telephone.

Cardholder's Address ....

Booking and payment can now be made through the Safety-Critical Systems Club website.
Please see the Events page at www.scsc.uk/events to secure your place.
Please return this slip and payment to: Alex King, Department of Computer Science, University of York, Deramore Lane, York, YO10 5GH.
Phone: 01904 325402   Fax: 01904 325599   Email: alex.king@scsc.uk

ISA Working Group Seminar:
Eye of the ISA on Highly Automated Vehicles

May 17th 2018

London Hilton Euston Hotel, 17-18 Upper Woburn Pl, Bloomsbury, London WC1H 0HT

Programme

09:00   **Registration and coffee**

09:15   **Introduction**

09:30   **Alan Peters**   *Autonomous Driving and Safety Analysis Methods*
        Transport Catapult   *(TBC)*

        M.J Fulthorpe   *Safety Support Framework to Unmanned Warrior*
        Qinetiq   *Technical Demonstration*

        Rolf Johansson   *Continuous model-based safety assessments–*
        Zenuity and   *A Pattern for Enabling Continuous Development of*
        Jonas Borg   *Automated Vehicles*
        Volvo Penta

        (coffee break)

        Nick Tudor   *Cost effective, safe, autonomous systems –*
        D-RisQ   *an approach*

        Siddartha Khastigir   *Role of simulation in safety assessment &*
        WMG, University of Warwick   *certification of Autonomous Vehicles*

12:00   **Lunch**

13:00   **Updates from SCSC and the ISA
        Working Group**

13:15   **Panel Session**   *A chance to ask questions, raise issues and gauge*
                                               opinions.

WORKSHOP: HIGHLY AUTONOMOUS VEHICLES. THE SAFETY ASSURANCE CHALLENGE.

14:00   **Interactive workshop:**   To identify challenges / strategies for safety
                                               assessment and assurance specific to autonomous
                                               vehicles

15:45   **Tea**

16:00   **Initial summary and observations
        from workshops**

16:30   **Wrap-up**

16:45   **Close and opportunities for networking**