



www.e-i-s.org.uk

Engineering Integrity Society

SEMINAR

Non-EIS members: £75
(includes EIS membership fee)

EIS members: £50

20th May 2009
Venue: MIRA



To register for the seminar please email:
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Or for other information on the working group:

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Multiplexed Digital Information for Test & Development

You are invited to a One-day seminar to cover the use and abuse of information from on vehicle digital systems such as Control Area Network (CANbus) and OBD (On Board Diagnostics) as well as other instrumentation sources.

There will be introductory presentations covering state-of-the-art methods, problems, pitfalls and equipment used. Speakers are expected from industry, research, academia and suppliers. This will be interlaced with informal discussion sessions to network and investigate the subject in depth with other experts.

Please note that the programme is provisional and subject to change...

Planned Agenda...

- 09:30 Registration
- 10:00 Working party on-board digital data, what to look for, pitfalls and problems. Remote monitoring methods for usage patterns from the road. *David Ensor – MIRA, UK*
- 10:30 Use of digital data for control and other information on autonomous vehicles or for hybrid vehicle development. *Paul Jeary – MIRA, UK*
- 11:00 CAN Data Formats - Dilemma of Non-standardisation within the Automotive Industry. *Richard McLaughlin – Warwick Control, UK*
- 11:30 How Jaguar collect and analyse data from on-vehicle digital systems. *Richard Winder – JLR, UK*
- 12:00 Split into groups and working buffet lunch:
Option 1: Tour MIRA facilities.
Option 2: Discuss aspects of OBD & CANBus data collection.
- 14:00 Tools for accessing CAN & OBD data in vehicle test applications. *D. Burditt – Datron Technology, UK*
- 14:30 CAN-Bus – an industrial standard for automotive testing. *Dr. Wolfgang Nickel – CAESAR Datensysteme, Germany*
- 15:00 Open forum led by an introduction to the EIS working group aims. Full Open Forum to discuss further work, best practices, advice etc. (Open Q&A)
- 16:00 Close

Seminar, lunch and refreshments are included in the fee. Numbers will be limited to 30 in total, so apply now. Tour of MIRA facilities will be free, but may be limited on numbers.

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DIRECTIONS TO MIRA

M1

From the North either:

A. 1 At M1 Junction 24 take the A42 south (towards Birmingham). **2** Where the A42 becomes the M42 (at M42 Junction 11) take the A444 south towards Nuneaton. **3** At the A5, turn left. MIRA is on the left after 0.5 mile.

B. 1 Continue to M1 Junction 21 and take the M69 towards Coventry. **2** Take the A5 (M69 Junction 1) heading north towards Tamworth. **3** Continue on the A5 over three roundabouts following signs for Tamworth. At the first traffic light junction continue straight-on and over the next roundabout. MIRA is then on your right after about 0.75 mile.

From the South:

1 At M1 Junction 18 take the A5 north.
2 After reaching the A5 intersection with the M69, follow the instructions from part B.2 above.

M6

From northwest either:

A. 1 At M6 Junction 4a take the M42 heading north towards Tamworth. **2** At M42 Junction 10 take the A5 south towards London. **3** After about 6.5 miles you will pass the A444 Nuneaton crossroads. MIRA is on the left about 0.5 mile past this junction.

B. 1 Continue south on the M6 to Junction 3. **2** Take the A444 north into Nuneaton. **3** After reaching Nuneaton, follow signs for the A47 Hinckley until you reach the A47 T-junction with the A5. **4** Turn left onto the A5 towards Tamworth and then straight-on at the roundabout. MIRA is then on your right after about 0.5 mile.

M40

1 At M40 Junction 15 take the A46 north towards Coventry and M69. **2** Stay on the A46 around Coventry, following signs for M69 Leicester. (the A46 eventually merges onto the M69) **3** At M69 Junction 1 take the A5 north towards Tamworth, then follow instructions in 'M1 from north - B.2' directions.

M5

1 At M5 Junction 4a join the M42 north. **2** At M42 Junction 10 take the A5 south towards London. **3** After about 6.5 miles you will pass the A444 Nuneaton crossroads. MIRA is on the left about 0.5 mile past this junction.

