



The Engineering Integrity Society



**Fundamentals of Vehicle
Data Collection**

**MIRA, Nuneaton
Tuesday 9 September 2014**

An event aimed at engineers and technicians who are interested
in data collection on motor vehicles

The Fundamentals of Vehicle Data Collection

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This event is aimed at engineers and technicians who are interested in data collection, particularly on motor vehicles. The day will aim to follow the process of a typical data collection from initial specification, through installation, data collection and data handling. The focus will be more practical than theoretical and there will be an opportunity to look at a vehicle that has been prepared for data collection.

Programme

- 9am Coffee and Registration
- 9.20am Introduction - Geoff Rowlands, MIRA
- 9.30am Transducer Selection - Geoff Rowlands, MIRA
- Analogue
 - CANbus
 - GPS
- 10.45am Tea and Coffee
- 11.15am Instrumentation set-up & checks - Steve Payne, MIRA
- Installation
 - Transducer checks
 - Polarities/vehicle co-ordinates
 - Vehicle shakedown
- 12.30pm Lunch
- 1.15pm Show and tell - CARDUR - vehicle on main site - David Ensor, Geoff Rowlands and Steve Payne, MIRA
- 2.30pm Tea and Coffee
- 3pm Data Collection - David Ensor, MIRA
- Load conditions
 - Tracks
 - Environmental considerations
 - Set-up considerations (sample rate and filtering)
- 4.30pm Q&A and closing comments - David Ensor - MIRA



Booking Form

	EIS Member	Non EIS Member
Delegate	£55+VAT	£65+VAT
Student/Apprentice	£25+VAT	
	UK	Rest of the World
Personal Membership of the EIS	£25 per year	£30 per year
I enclose a cheque for £_____ made payable to the Engineering Integrity Society		
Name:		
Company:		
Address:		
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Please return completed forms to the following address:

Engineering Integrity Society
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Cottesmore
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LE15 7BT
UK

Telephone: +44(0)1572 811315

Email: info@e-i-s.org.uk

MIRA is a world-leader in advanced engineering, research and product testing. Over the past 68 years it has grown into a truly international organisation with facilities located around the world. MIRA's work spans the Automotive, Defence, Aerospace and Rail industries and includes the development of ground-breaking low carbon vehicle technologies.

The Engineering Integrity Society is an independent not-for-profit organisation which aims to inspire all engineers, both experienced and newly qualified, across a broad spectrum of technologies. The Society is committed to promoting events and publications, providing a forum for engineers to discuss present industrial needs, new technologies and to stimulate both company and personal development.

The annual subscription rates are £25 for UK residents and £30 for non-UK residents. Upon joining the Society you will also have the additional advantages of preferential attendance rates at EIS events, together with selected events held by some of the associated organisations. In addition you will have access to CDs containing archived copies of EIS presentations.

The ENGINEERING INTEGRITY SOCIETY is pleased to acknowledge the support of the following organisations:

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