



# Vector TechDay Gaydon 2009

April 1<sup>st</sup>, 2009 in Gaydon (UK)

## Agenda and Information

### Lecture Room 1

09:00 am

**Welcome Speech**

09:15 am

#### **Calibration of ECUs**

- Basics XCP
- Measurement, Calibration, Diagnostics, SW Flashing of CAN, LIN and FlexRay with CANape
- Matlab/Simulink Integration

#### **Interfaces, Data Loggers and Measurement Hardware for CAN, LIN, MOST, and FlexRay**

10:45 am

**Coffee Break**

11:15 am

#### **Embedded Software Components for CAN, LIN and FlexRay**

#### **Development of ECUs with AUTOSAR Basic Software**

- Basics of Basic Software and AUTOSAR
- Using of AUTOSAR Basic Software in the Development Process
- Experiences of the 1<sup>st</sup> Serial Development Projects

12:45 pm

**Lunch Break**

### Lecture Room 2

**Welcome Speech**

#### **Efficiency ECU Diagnostics (Live Demo of Evaluation Hardware)**

- Specifying Diagnostic Functionality
- Integration of Diagnostic Functions in the ECU
- Automated Validation Tests for Integration of the Diagnostic Protocol in the ECU
- Testing ECU and Vehicle-wide Diagnostics

**Coffee Break**

#### **Simulation and Test of ECUs**

#### **News of the Development of CANoe**

- New Option: XCP over CAN
- MOST 150
- Interactive LIN Stress Funktion
- FlexRay: Support of Fibex 3.0, Fibex Explorer Pro
- CAPL on Board

#### **CANoe Live Demonstration**

- Automated Test of an ECU with CANoe and Test Automation Editor
- RealTime Simulation of an MATLAB / Simulink Model in CANoe
- Vector Test Hardware

**Lunch Break**



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01:45 pm

### Lecture Room 1

#### Efficiency ECU Diagnostics

##### (Live Demo of Evaluation Hardware)

- Specifying Diagnostic Functionality
- Integration of Diagnostic Functions in the ECU
- Automated Validation Tests for Integration of the Diagnostic Protocol in the ECU
- Testing ECU and Vehicle-wide Diagnostics

03:15 pm

#### Coffee Break

03:45 pm

#### Simulation and Test of ECUs

##### News of the Development of CANoe

- New Option: XCP over CAN
- MOST 150
- Interactive LIN Stress Funktion
- FlexRay: Support of Fibex 3.0, Fibex Explorer Pro
- CAPL on Board

##### CANoe Live Demonstration

- Automated Test of an ECU with CANoe and Test Automation Editor
- RealTime Simulation of an MATLAB / Simulink Model in CANoe
- Vector Test Hardware

05:15 pm

#### End of the Vector TechDay

### Lecture Room 2

#### Calibration of ECUs

- Basics XCP
- Measurement, Calibration, Diagnostics, SW Flashing of CAN, LIN and FlexRay with CANape
- Matlab/Simulink Integration

#### Interfaces, Data Loggers and Measurement Hardware for CAN, LIN, MOST and FlexRay

#### Coffee Break

#### Embedded Software Components for CAN, LIN and FlexRay

##### Development of ECUs with AUTOSAR Basic Software

- Basics of Basic Software and AUTOSAR
- Using of AUTOSAR Basic Software in the Development Process
- Experiences of the 1<sup>st</sup> Serial Development Projects

#### End of the Vector TechDay



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### Further Information

#### Registration

[www.vector-informatik.com/techdays](http://www.vector-informatik.com/techdays)

#### Venue

**Heritage Motor Centre** Banbury Road  
Gaydon Warwickshire CV35 0BJ

Phone: +44 1926 641 188

Fax: +44 1926 645 103

[www.heritage-motor-centre.co.uk](http://www.heritage-motor-centre.co.uk)

#### Parking

Car parking for free at the Heritage Motor Centre available

#### Participation fee

The fee for participation and catering is covered by Vector.

#### Presentation Language

English

#### Your contact at Vector

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