

Europe's leading automotive testing,
evaluation and quality engineering trade fair

automotive testing expo 2011 europe

17, 18, 19 May 2011

Stuttgart Messe, Stuttgart, Germany

 **ASAM**
FREE-TO-ATTEND
FORUM



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Automotive Testing Expo Europe is the leading event dedicated to the quality, safety, reliability and durability of vehicles throughout Europe. The show will continue to be THE launch pad in Europe for new technologies within the area of automotive test, evaluation and quality engineering.



THE EXPO THAT HELPS CAR MAKERS IMPROVE QUALITY AND REDUCE RECALLS!

Automotive Testing Expo Europe 2011 covers all aspects of testing, evaluation and quality engineering equipment, systems and technologies:

- Test simulation
- NVH analysis
- Occupant/pedestrian safety
- Engine/emissions testing
- Track simulation and laboratory testing
- Dynamometers
- Vehicle dynamics testing
- Materials testing
- Aerodynamic and wind tunnel testing
- Vibration and shock testing
- Acoustic testing
- Environmental testing
- Mechanical testing
- Hydraulics testing
- Electrical system testing
- Reliability/lifecycle testing
- Test facility
- Automated test equipment (ATE)
- Fuels and integrated systems testing
- Test management software
- Crash test analysis
- Tyre testing
- Data acquisition and signal analysis
- Impact testing
- Electronics and microelectronics testing
- Fatigue/fracture testing
- Torsion testing
- Component testing
- EMC/electrical interference testing
- Structural and fatigue testing
- Impact and crash testing
- Sensors and transducers
- Test facility design
- Quality testing and inspection
- Telemetry systems
- Vehicle simulation
- Automatic inspection
- Stress/strain testing
- Calibration
- Laboratory instrumentation
- Software test and development
- Quality management solutions



ASAM will once again jointly host the Open Technology Forum at Automotive Testing Expo Europe 2011

Building on the success of previous ASAM participation, the organisers of Automotive Testing Expo Europe will join forces with ASAM (Association for Standardisation of Automation and Measuring Systems) to put together a three-day Open Technology Forum with presentations from leading OEMs and Tier 1 and 2 suppliers. The Open Technology Forum is free of charge to attend, and will run on 17, 18 and 19 May 2011. The full programme will be available shortly.

For more information please visit www.testing-expo.com or contact Dorothee Bassermann at dorothee.bassermann@asam.net

TUESDAY 17 MAY

FREE TO ATTEND!

Test Automation in Real and Simulated Environments

- 10:15 **Intelligent test-case generation and automation for real-time test systems**
Dr Mugur Tatar, QTronic GmbH
- 10:40 **Rapid measurement and calibration based on fast ECU access with iLinkRT**
Mihael Vuksic, product manager, AVL List GmbH
- 11:05 **One common test language for domain experts and test engineers – cost-effective creation and reuse of test sequences with Vector’s Test Automation Editor**
Friederike Gengenbach, software development engineer, Vector Informatik GmbH
- 11:30 **CCP and XCP with NI LabVIEW and NI VeriStand**
Andreas Stark, systems engineer, National Instruments Engineering GmbH & Co KG
- 11:55 **Model-based black box testing and its standardisation layers**
Anthony Faucogney, business development manager, All4Tec
- 12:20 **Testing the charging of electrical vehicles according to the standard IEC 61851**
Jochen Thym, owner, time4e

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Simulation / Hardware in the Loop

- 12:45 **Virtual integration and test of automotive ECUs**
Dr Jakob Mauss, QTronic GmbH
- 13:05 **SAR line method: a new method for squeak and rattle simulation and test developed at Saab**
Jens Weber, CAE development engineer, Saab Automobile AB

Vehicle Diagnostics in Development, Production and Service

- 13:35 **Sustainability of automotive diagnosis over the lifecycle: synergies of integrated and standards-based diagnosis**
Toni Viscido, head of Business Development, DSA - Daten- und Systemtechnik Aachen GmbH
- 14:00 **Use of OTX in the after-sales area**
Ralf Ramrath, senior programme manager - Diagnostics, In2Soft GmbH
- 14:25 **Diagnostics as a service**
Andreas Hege, COO, RA Consulting
- 14:50 **Integration of MVCI/ODX-based development tester in revised process chain by OEM**
Frank Oswald, key account manager, Softing Automotive Electronics GmbH
- 15:15 **Taking the standard promise seriously: a generic ASAM integration layer**
Daniel Krippner, Teradyne Diagnostic Solutions
- 15:40 **Comparison of OBD Scan-Tool diagnostics based on SAE J1979, SAE J1939 and ISO/PAS 27145**
Peter Stoss, head of Automotive Division, RA Consulting GmbH
- 16:05 **OTX: controlling complex diagnostic sequences**
Tobias Widmer, director, Emotive GmbH

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16:30 **Erhöhung der Effizienz der Fahrzeugbetriebnahme in der Endmontage durch Verwendung der Fahrzeugaktorik und -sensorik**

Christian Janßen, scientific researcher, WZL of RWTH - Chair of Assembly Systems

WEDNESDAY 18 MAY

Measurement, Calibration and Test Data Acquisition

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10:15 **Driving the future: combustion engines, torsional vibration and measurement systems**

Andreas Braun, R&D manager Measurement & Calibration Systems, AFT Atlas Fahrzeugtechnik GmbH

10:40 **EURO VI and US Tier 4: a big challenge for all IC engine developers**

Michael Mühlögger, global business unit manager, AVL List GmbH

11:05 **How to accurately measure and analyse torsional vibrations and transmission errors**

Laurent Britte, product manager, LMS International

11:30 **Validating electronic systems in the vehicle**

Joern-Ole Godbersen, ETAS GmbH

11:55 **Robust measurement of the air mass flow through a cooling package**

Dr Bernhard Lechner, team leader Testing & Validation, The Virtual Vehicle Competence Center, Magna Steyr

12:20 **Berührungsloses Messverfahren für den Reifendruck**

Rainer Müller, professor, WZL of RWTH Aachen - Chair of Assembly Systems

12:45 **Calibration of fuel consumption measurement devices**

Dr Michael Wiesinger/Rainer Schantl, head of Development, AVL List GmbH



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Test Data Management, Calibration

Data Management

- 13:10 **Data quality: the key element for efficient data storage**
Andreas Haub, managing director, National Instruments Engineering GmbH & Co KG
- 13:35 **Field report of 15 years' ASAM ODS test field installations**
Gerald Sammer, global product manager, AVL
- 14:00 **One data store: individual perspectives**
Stefan Romainczyk, group manager NI Engineering - R&D, National Instruments Germany GmbH
- 14:25 **Sustainable ASAM ODS conform data generation and management in openMDM for efficient workflows in the field of NVH**
*Lars Fiedler, Müller-BBM VibroAkustik Systeme GmbH/
Stefan Beese, EPOS CAT GmbH*
- 14:50 **ASAM transport format in XML (ATFX): overview and best practices**
Peter Stoll, product manager, Science + Computing AG



- 15:15 **ASAM ODS workflow in the area of vehicle safety with MDM**
Verena Jung, senior consultant, Peak Solutions GmbH
- 15:40 **ATFX data analysis with IMC FAMOS 6.1**
Ralf Winkelmann, international sales manager, IMC Meßsysteme GmbH
- 16:05 **Measurement data access for development engineers**
Carsten Pietschmann, consultant, ISTECH GmbH
- 16:30 **Supporting measured data management of ADTF-Data by using openMDM**
Niklas Hochmuth, project manager, Peak Solutions GmbH

THURSDAY 19 MAY

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Testbeds and System Integration

- 10:15 **MOST 150: end-of-line testing for quality assurance**
Michael Schmidt, software development, Göpel Elektronik GmbH
- 10:40 **Expand the realms of automotive testing using Moog's versatile test systems**
Peter Onesti, test system engineer, Moog
- 11:05 **Getriebe Schaltroboter**
Dieter Sorowka, business manager, IBS Ingenieurbüro Sorowka
- 11:30 **Robot operation in all climatic zones**
*Eric Frank, Weiss Umwelttechnik GmbH/
Günther Battenberg, Battenberg Robotic GmbH & Co.KG*

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- 11:55 **Effectively using pressure sensors with today's data acquisition systems**
Chris Novak, global application engineer, Honeywell Sensing and Control
- 12:20 **A new approach to measuring inertia properties**
Dr Robert Klöpfer, chief technology officer, Resonik
- 12:45 **Parameterisation increases the simplicity of ASAM GDI**
Bernd Wenzel, CEO, M&K Mess- und Kommunikationstechnik GmbH

Evaluation and Analysis of Test Data

- 13:10 **Using ASAM and ISO standards for remote flashing and data acquisition**
Colt Correa, vice president, Intrepid Control Systems
- 13:35 **Use and benefit of vibration analysis in the field of R&D and production of combustion engines and transmissions**
Michael Routhrof, general manager, red-ant Measurement Technologies and Services
- 14:00 **Convoy guidance for test fleets**
Steffen Firschau, project manager, MM-Lab GmbH
- 14:25 **Development of a full-vehicle hybrid-simulation test using hybrid system response convergence (HSRC)**
Dave Fricke, senior staff engineer, MTS Systems Corporation

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USEFUL INFORMATION

THE VENUE

The new Stuttgart Messe is conveniently located adjacent to Stuttgart Airport, making it easily accessible to international visitors. Furthermore, there are two very well-appointed Mövenpick hotels within a three-minute walk of both the airport and the Messe.

OPENING TIMES

Tuesday 17 May **10.00hrs-17.00hrs**
Wednesday 18 May **10.00hrs-17.00hrs**
Thursday 19 May **10.00hrs-15.00hrs**

WEATHER

Average temperature
20°C/68°F to 25°C/73°F

PRESS AREA

The press room is located in the main entrance opposite registration. Members of the press must register at the front desk for access to the press area and its facilities.

VENUE

Landesmesse Stuttgart GmbH,
Messepiazza 1, 70629 Stuttgart
Messe Stuttgart



HOTELS

Various hotels can be booked directly through the Stuttgart-Marketing GmbH website. **Contact details for Stuttgart's reservations centre:**

Phone: +49 711 22 28 233
Fax: +49 711 22 28 251
hotels@stuttgart-tourist.de
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11**

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EXHIBITOR LIST

AS AT 4 APRIL 2011

A & D Europe GmbH | ABB Automation GmbH | Accurate Technologies GmbH & Co KG | ACS | Adaptronic Pruftechnik GmbH | ADDITIVE Soft- und Hardware fur Technik und Wissenschaft GmbH | Advantest Europe GmbH | AFT Atlas Fahrzeugtechnik GmbH | Agostec | AICON 3D Systems GmbH | AMS GmbH | Angelantoni Industrie SpA | Anthony Best Dynamics | Apicom GmbH | **Aries Ingeniera Y Sistemas** | Arjeplog Test Center | ASAM eV | Auswuchttechnik-Maschinen- und Anlagentechnik | Automotive Research Association of India (ARAI) | Automotive Testing Expo 2012 | Automotive Testing Technology International | AVL Deutschland GmbH | B+S Multidata GmbH | Beck Messtechnik | BEP Europe NV | Berger Elektronik | Berghof Automationstechnik GmbH | Berndorf Band GmbH | Berner & Mattner Systemtechnik GmbH | BIA | Bilz Vibration Technology AG | Blum-Novotest GmbH | Bosch Engineering GmbH | Brüel & Kjær Sound and Vibration Measurement AS | Caetec GmbH | Cambustion Ltd | CarMedialab GmbH | CFM Schiller GmbH | Clemssy | CMV Hoven GmbH | Concept Tech GmbH | Control Techniques | Controllersolution GmbH | Critt M2A | CSI SpA | CSM GmbH | CVMS Deutschland GmbH | D2T GmbH | Data Physics Corp | **Dedo Weigert Film GmbH** | Delphi Technical Center Luxembourg | Denios AG | Dewetron | DG Technologies | DHM Embedded Systems | Discom GmbH | DSA Daten- und Systemtechnik GmbH | DSI-Delta Services Industriels | dSpace GmbH | Durr Assembly Products GmbH | DYNAMESS Prufsysteme GmbH | Dynamotive Ltd | Eberspächer Electronics GmbH & Co KG | ECON Technologies Co Ltd | ECS Creatique | EDAG GmbH & Co KGaA | Elektroit Austria GmbH | Embitel GmbH | Encopim GmbH | ETAS GmbH | Fabreeka GmbH Deutschland | Faist Anlagenbau GmbH | FAKT GmbH | **Falcon - Falkner Consulting fur Messtechnologie GmbH** | FES GmbH Fahrzeug-Entwicklung Sachsen | FEV Motorentechnik GmbH | FGB: Fertigungsgeratebau Adolf Steinbach GmbH & Co KG | FOGTEC Brandschutz GmbH | G.i.N Gesellschaft fur industrielle Netzwerke mbH | G+H ISOLIERUNG GmbH | Gantner Instruments GmbH | GeneSys Elektronik GmbH | Getac Technology GmbH | Gfai Tech GmbH | GOM GmbH | Göpel Electronic GmbH | GTM Gassman Testing and Metrology GmbH | Haussmann Industrieelektronik | Heinzinger electronic GmbH | **High Speed Vision GmbH** | Hoerbiger Elektronik GmbH | Honeywell Sensing and Control | Horiba Europe GmbH | Hottinger Baldwin Messtechnik GmbH | Huber Automotive AG | Hueber Getriebebau GmbH | Hypertac GmbH | IABG mbH | IAC GmbH | IAMT GmbH | IAVF GmbH | IBIS GmbH Schwingungsmessung - Vibration Analysis | IBS Ingenieurbüro Sorowka | ICT Software Engineering GmbH | IDIADA Automotive Technology SA | IMA Materialforschung und Anwendungstechnik GmbH | **Image Systems AB** | Imtech Deutschland GmbH & Co KG | In2Soft GmbH | Informatik Consulting Systems AG | Innologic Electronics | Inova GmbH | Instron Structural Testing Systems GmbH, Germany | Intecs SpA | Integral Hydraulik | Intercontec Produkt GmbH | Interface Inc | Intrepid Control Systems Inc | Ipetronik GmbH & Co KG | ISTECH GmbH | IT Designers GmbH | Italcoppie Sensori Srl | IXXAT Automation GmbH | JA-Gastechnology GmbH | Jager Computergesteuerte Messtechnik GmbH | Jordil-Technic Rotary-Transmitters | Kapolnek GmbH | Kistler Instrumente GmbH | Klaric GmbH & Co KG | KMT - Kraus Messtechnik & Telemetrie | KNR Systems Inc | Kolsch + Altmann Software & Management Consulting GmbH | KRAL AG | KRATZER AUTOMATION AG | KRIWAN Testzentrum GmbH & Co KG | KST Motorenversuch & Co KG | Kubrich Ingenieuresellschaft bmH & Co KG | Kulite Semiconductor GmbH | KYOWA Electronic Instruments Co Ltd. | L.E.T. Automotive NV | Labcell Ltd | Lauda Dr R Wobser GmbH & Co KG | LaVision GmbH | LMS International | LTG Aktiengesellschaft | Luminy Systems Corp | m+p international | Magtrol SA | MAHA AIP GmbH & Co KG | MAIBACH Industrie - Plastic GmbH | Makross Ingenieure Mawick-Krumrein-Groß | Manner Sensortelemetrie GmbH | MAXIMATOR GmbH | MCE Stahl und Maschinenbau GmbH & Co KG | measX GmbH & Co KG | Meggitt Sensing Systems - Measurement Group | Mettler-Toledo AG | MIC Mass Interface Connections GmbH | mm-lab GmbH | MOOG | MS4 - Analysentechnik GmbH | MTS Systems Corp | Mueller-BBM VibroAkustik Systeme GmbH | **NAC Deutschland GmbH** | Nardo Technical Center Srl, Prototipo Group | NATEC Sensors GmbH | National Instruments Germany GmbH | Orion Test Systems & Engineering Inc | Oxford Technical Solutions | Panasonic Marketing Europe GmbH | Parafost SA | PCB Piezotronics Europe GmbH | PCO AG | Peak Solution GmbH | Peter Huber Kältemaschinenbau GmbH | Photon (Europe) Limited | Pickering Interfaces GmbH | Plascore GmbH & Co KG | Plug-In Electronic GmbH | RA Consulting GmbH | Racelogic | Reckmann GmbH | red-ant | Reich Kupplungen | Reilhofer KG | Resonic | RMS Dynamic Test Systems | Robert Bosch GmbH | Rossel Messtechnik GmbH | Rototest AB | S.E.A. Science & Engineering Applications Datentechnik GmbH | SAB Brockskes GmbH & Co KG | SBI Schreiber, Brand u. Partner Ingenieuresellschaft mbH | Schneider Kreuznach | Seattle Safety | Sensors Europe GmbH | Siemens AG | Sierra Instruments | SIMPRO SpA | Simtools GmbH | Sincotec Group | Single Temperiertechnik GmbH | SITIA | SMETEC GmbH | Softing Automotive Electronics GmbH | Southern Hemisphere Proving Ground (SHPG) | SPL Spindel und Präzisionslager GmbH | Springer Fachmedien Wiesbaden GmbH | Stahle GmbH | Stankowitz Test Equipment GmbH | Star Cooperation GmbH | Staubli Tec-Systems GmbH | Stiegele Datensysteme | Stolle Wilhelm GmbH | Stringo | Swagelok B.E.S.T. Fluidsysteme GmbH | Synotech Sensor und Messtechnik GmbH | Taylor Dynamometer / DynoMotive | Tectos GmbH | TEG mbH | Telemetrie Elektronik GmbH | Telemotive AG | Tesco SpA | Test Site Sweden | Test World Oy | TGS Technogerma Systems GmbH | ThyssenKrupp System Engineering, Division Testing Solutions | Tira GmbH | TMS Telemetrie-Messtechnik | TTTech Automotive GmbH | TÜV Rheinland Group | TZM | Unico Deutschland GmbH | Unico European Operations | UTAC - Monthery | Vazquez y Torres Ingenieria SL | Vector Informatik GmbH | Vibration Research | Virginia Panel Corporation | Vision Research Europe | VISOL Inc | VKT GmbH | Voetsch Industrietechnik GmbH | VSE Volutentechnik GmbH | WBI Wallner und Brand Ingenieuresellschaft mbH | Weiss Umwelttechnik GmbH | Werum Software & Systems AG | Wiegel Gebaudetechnik GmbH | Winkler GmbH | WPM Werkstoffprüfsysteme Leipzig GmbH | X2E GmbH | XKrug GmbH | ZF Passau GmbH | ZSE Electronic Instruments Mess-Systeme & Sensortechnik GmbH | Zwick GmbH & Co KG

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