

Following the huge success last year, Automotive Testing Expo China 2011 will once again host seven Technology Workshops. Taking place on each morning and afternoon of the expo, in the purpose-built Workshop Studio at the rear of the exhibition hall, these presentations will give you the opportunity to learn the very latest testing techniques that are enabling automotive manufacturers to compete on a global scale.

With China becoming the premier car manufacturing nation of the world, the future is in enhancing quality and reliability as well as safety and durability of vehicles manufactured. There will also be huge demands in terms of vehicle and component validation and data for the purpose of getting international type approval in order to sell into global markets. Test and evaluation departments will be put under enormous pressure to be using the best and latest technologies, and this will apply not only to vehicle manufacturers but also to all supply chain partners. At these Technology Workshops, the world's leading automotive test equipment manufacturers and test service providers will impart knowledge that will enable the Chinese automotive manufacturing industry to meet the highest global standards in product safety, reliability, and quality.

WEDNESDAY  
SEPTEMBER 14

## TECHNOLOGY WORKSHOP 1 MORNING

DAY 1 – 10.00-12.00  
HOST COMPANY – FEV



- SPEAKER** – Dipl.-Chem. Jürgen Schnitzler, head of Software Development  
**SYNOPSIS** – **Highly integrated solutions for the efficient operation of test facilities in a global network:** Efficiency and intelligent investment are gaining more and more importance to ensure the competitive scope of a company. A key factor is optimized use of the worldwide test facilities within a company group, allowing a universal exchange of data and information. The FEV Group is a global network of closely cooperating members and employs a powerful tool allowing efficient task share and friction-free online exchange of data and results within the group and with customers worldwide, using the TCM TestCellManager product family. The current generation of these data acquisition, automation and data analysis systems presents further features to increase efficiency and user friendliness, allowing easy connection of external devices, comfortable integration of customer-defined calculations and control structures based on MATLAB/Simulink, and easy preparation of test runs as well as universal use of channel and result name rooms. Automated data transfer to internal or customer-based databases for simultaneous analysis even at long-distance sites is an additional step to provide results without delay.

WEDNESDAY  
SEPTEMBER 14

## TECHNOLOGY WORKSHOP 2 AFTERNOON

DAY 1 – 12.15-14.15  
HOST COMPANY – BEIJING T&S



- SPEAKER** – Manliang Zhang, technical director, Beijing T&S Technologies  
**SYNOPSIS** – **NVH evaluation method for vehicle:** 1. Evaluation of vehicle internal vibration; 2. Evaluation of vehicle internal noise; 3. Evaluation of powertrain mounting; 4. Evaluation of full vehicle modal distribution.  
**SPEAKER** – J.H. Staschke, senior consultant, Beijing T&S Technologies  
**SYNOPSIS** – **Noise and vibration control in automotive test facilities:** 1. Motivation; 2. Airborne noise control; 3. Vibration control.  
**SPEAKER** – Mr Bernkopf, partner, Beijing T&S Technologies  
**SYNOPSIS** – **MCE-turnkey solution for wind-tunnel test facility:** the benefits of a turnkey approach for test facilities, especially for wind-tunnels, to help customers achieve high performance.

WEDNESDAY  
SEPTEMBER 14

## TECHNOLOGY WORKSHOP 3 AFTERNOON

DAY 1 – 14.30-16.30  
HOST COMPANY – D2T



- SPEAKER** – Julien Faedda, project expert International Support Group - 14.30-15.30  
**SYNOPSIS** – **Testbeds for your batteries, and more!** ZEUS, D2T's solution for your battery beds, is a complete and modular solution integrating an environmental chamber, a battery charge/discharge cabinet and an acquisition and automation system.  
**SPEAKER** – Philippe Lacassagne, Business Development Director - 15.30-16.30  
**SYNOPSIS** – **Models everywhere: how a fully integrated model-based test environment can enable progress in the future:** A simulation-based approach has strong potential to be fully integrated in the powertrain development process. The D2T XMOD-MORPHEE suite is an example of such a platform, which allows easy mixing of virtual and real test facilities to develop modern powertrains.

THURSDAY  
SEPTEMBER 15

## TECHNOLOGY WORKSHOP 4

MORNING

DAY 2 – 10.00-12.00  
HOST COMPANY – MOOG  
**SPEAKER** – Dr Yan Dong, senior application engineer - auto test, Moog China  
**SYNOPSIS** – **Expand the realms of automotive testing using Moog's versatile test systems:** User-friendly, flexible and tailored systems expand the realms of automotive testing. Moog's expertise, combined with close customer collaboration, is the key to more rapid and versatile testing to improve your competitiveness. Get into gear with the new Moog Integrated Test Suite and Test Controllers to support single to multi-axis tests systems such as tire coupled simulation (4 to x posters), simulation table (6 DOF hexapode), suspension test rig, ride and comfort, driving simulator and human in the loop. Particularly innovative solutions have recently emerged concerning dynamic driving simulators to meet new requirements from key industry players such as Ferrari and Daimler.

MOOG

THURSDAY  
SEPTEMBER 15

## TECHNOLOGY WORKSHOP 5

AFTERNOON

DAY 2 – 12.30-14.30  
HOST COMPANY – HORIBA



- SPEAKER** – Anastassios Tsitlakidis, regional sales manager of Asia market, Horiba Instruments Inc  
**SYNOPSIS** – **Hybrid and electric vehicle testing application using e-motor**  
**SPEAKER** – Andy Keay, global product manager - STARS, manager PR & Marketing, Horiba Europe GmbH  
**SYNOPSIS** – **R&D application of test automation solutions by STARS series**  
**SPEAKER** – Wang Wei, sales of Automotive Test System, assistant manager of Sales department, Horiba Trading (Shanghai) Co Ltd  
**SYNOPSIS** – **Emission management solution to meet latest regulation**  
**SPEAKER** – Matsuura Takanari, powertrain senior engineer, manager of International Sales department, Horiba Ltd  
**SYNOPSIS** – **Vehicle and engine R&D testing application with emission analyzer**

THURSDAY  
SEPTEMBER 15

## TECHNOLOGY WORKSHOP 6

AFTERNOON

DAY 2 – 14.30-16.30  
HOST COMPANY – AVL



- SPEAKERS** – Dr Uwe Wiedemann, product manager Battery Systems; Helmut Milan, senior expert Hybrid; Dr Mario Schweiger, application manager Battery Test Systems  
**SYNOPSIS** – **AVL integrated testing solutions for powertrain electrification:** For the development of all relevant EV/HEV components and their corresponding control units in order to meet the new challenge of powertrain electrification, AVL is offering hybrid testing solutions including: Battery Testbed, E-Motor Testbed, Inverter Testbed for powertrain component development and AVL InMotion as a professional solution all along the development process for maneuver and event-based testing and even for realizing the AVL virtual proving ground approach.

FRIDAY  
SEPTEMBER 16

## TECHNOLOGY WORKSHOP 7

MORNING

DAY 3 – 10.30-12.30  
HOST COMPANY – ETAS



- SPEAKER** – Dr Dong Yinping, product manager  
**SYNOPSIS** – **Accelerating your development and saving money: virtual prototyping and PC-based prototyping:** Rapid prototyping is an established industry concept that uses specialized hardware to enable early evaluation of control strategies – but it comes at a price. New solutions from ETAS promise to accelerate function development and save money: PC-based rapid prototyping uses standard multi-core PC technology for real-time execution of complex models. Virtual prototyping allows for closed-loop testing and calibration at an early project stage.  
**SPEAKER** – Cheng Ting, senior specialist (Technical Sales & Support China)  
**SYNOPSIS** – **Test efficiency with a generic test automation tool:** This presentation will mainly introduce the demand for a generic test automation tool, and the corresponding ETAS solution, which greatly improves test efficiency. Including independent test case, process management, etc.

Register as a VIP to attend all seven technology workshops by contacting  
Renata Lengui at [r.lengui@ukintpress.com](mailto:r.lengui@ukintpress.com)

Visit our website at [www.testing-expochina.com](http://www.testing-expochina.com)

## EXHIBITOR LIST (AS OF JULY 12, 2011)

A & D	GIF Research Center (China) Co Ltd	Oxford Technical Solutions
Accurate Technologies	GOPEL electronic GmbH	Pacific Optoelectric Inc (Polytec GmbH)
Actia (China) Automotive Electronics Co Ltd	Guangzhou Zeer Electro-Mechanical Science & Technology Co Ltd	Pansino
AMS GmbH	H J Unkel (Shanghai)	PCB Piezotronics Inc
Anthony Best Dynamics	Hausmann Industrieelektronik	Peak Solution GmbH
AOS Technologies AG	Head Acoustics GmbH	Petrochem Carless Ltd
Apicom SpA	Honeywell Limited	Photron (Europe) Limited
Aries Ingeniera Y Sistemas	Horiba Trading (Shanghai) Co Ltd	Proto Manufacturing
ARRI Asia Ltd	Hottinger Baldwin Measurement (Suzhou) Co Ltd	PTM Electronics Inc
ASAM eV	imcAccess Co Ltd	Qidong Liantong Dynamometer Co Ltd
Ascott Analytical Equipment Limited	imcAccess Co Ltd	Q-Lab China
Atlas Material Testing Technology GmbH	Imtech TBE Beijing Co Ltd	Reich Kupplungen
ATP Industries Group	Inova GmbH	Reilhofer KG
Automotive Research Association of India (ARAI)	Instron Structural Testing Systems GmbH	Renk Test Systems GmbH
AVL List GmbH	Interface Inc	Revolutionary Engineering Inc
Beijing CA Acoustics Co Ltd	Intrepid Control Systems China	Roehrig Engineering Inc
Beijing Europe Technology Development	Isaac Instruments	Saginomiya Seisakusho Inc
Beijing T & S Technologies Co Ltd	Jeilsyscom Inc	Samwell Testing Inc
Best Sokki	Jinsung Energy Tech Co Ltd	Schwarz Sondermaschinen und Getriebe
BIA	JKS Co Ltd	SDL Atlas Ltd
Blum Production Metrology System Ltd	Kistler Instrumente AG	Sealtex Co Ltd
Bruel & Kjaer Sound & Vibration Measurement A/S	KNR Systems Inc	Sejfo Engineering AB
BSWA Technology Co Ltd	Kokusai (Shanghai) Co Ltd	Servotest Testing Systems Ltd
CENTA MP (Shanghai) Co Ltd	Kratzer Automation AG	Shanghai B.I.W. Mech Electrical
CETC Motor	Kulite	Shanghai Goodway Electronic Technology Co Ltd
CFM SCHILLER GmbH	Kyowa Electronic Instruments Co Ltd	Shanghai Link Testing Technology Co Ltd
Changchun Research Institute for Mechanical Science Co Ltd	LandTop FAIST (Beijing) Technical Acoustics Co Ltd	Shanghai Shangqi (Group) Test Equipment Co Ltd
China IEST of HIT	LandTop Technologies Co Ltd	ShangHai Zundar Environmental Test Equipment Co Ltd
China Orient Institute of Noise & Vibration	LEMO Trading (Shanghai) Co Ltd	Signallink Co Ltd
Cincinnati Sub-Zero Products	Leonardo Srl	SincoTec
Cincinnati Test System Inc	LMS International	SIS Asian Development Limited
Concept Tech GmbH	m+p International	Smithers Rapra
CP Engineering Systems Ltd	MAHA AIP GmbH & Co KG	Sonus Technologies Co Ltd
CSM GmbH	Measurement Specialties (China) Ltd	Southern Hemisphere Proving Ground Ltd
D2T	Mechanical Simulation Corporation	Space Creation Co Ltd
Data Physics Corp	Meggitt Sensing Systems - Measurement Group	Stahle GmbH
Delphi Shanghai Test Centre	Meidensha Corporation	Suzhou ShunXin Instrument Co Ltd
Dewetron	Mems Technology Corp	Team Corporation
DMS (Hong Kong) Co	Michigan Scientific	Tekscan Inc
Dspace Mechatronic Control Technology (Shanghai) Co Ltd	Micro-Poise Industrial Equipment (Beijing) Co Ltd	Thermotron Industries
Dytran Instruments Inc	Microsys Technologies Inc	ThyssenKrupp System Engineering GmbH
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Encopim SL	MOOG	Tokyo Keiso Co Ltd
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EPCO International	Mustang Dynamometer	TUV SUD China
ESPEC CHINA Limited	NAC Image Technology Inc / ARRI	UltiTech Corp
ETAS Automotive Technology (Shanghai) Co Ltd	Nanjing JIUDING Refrigerating & Air conditioning Equipment Co Ltd	UNICO China Automation Co Ltd
Fabreeka	National Instruments	Vector Informatik GmbH
FAIST Anlagenbau GmbH	North Star Imaging Inc	Vibration Research
Falcon - Falkner Consulting fur Messtechnologie GmbH	Olympus KeyMed Group	Visol Inc
FEV China Co Ltd	One Measurement Group Ltd	Voith Turbo GmbH & Co KG
Froude Hofmann	Ono Sokki Co Ltd	Weiss Umwelttechnik GmbH
GeneSys Elektronik GmbH	OPAL - RT	WuHan INTEST Electronic Technology Co Ltd
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# TECHNOLOGY WORKSHOP PROGRAM

## automotive testing expo 2011 CHINA

China's ONLY automotive test, evaluation and quality engineering trade show

September 14, 15, 16, 2011

Automotive engineers are invited to attend up to seven workshops over three days, covering cutting-edge testing techniques, principles and formulas



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