

EXHIBITORS

RA CONSULTING GMBH

RA Consulting, represented by the US office RA Automotive Software Solutions, Inc. is a software manufacturer and service provider for the automotive industry. The focus is on diagnostic and calibration tools and solutions. Our tools DiagRA D and Silver Scan tool are well-known tools with OBD functionality. Customers include almost all well-known car, truck, bus and engine manufacturers and their suppliers worldwide.

SOFTING AG

With its core areas of expertise, testing and diagnostics, Softing Automotive is your specialist for the entire life cycle of electronic control units and overall systems, from engineering through manufacturing to after-sales service. Our portfolio comprises hardware and software products, customized solutions as well as consulting and engineering services.

VECTOR NORTH AMERICA

Vector has been your capable partner in the development of automotive electronics. More than 3,000 employees at 31 locations worldwide support manufacturers and suppliers of the automotive industry and related industries with a professional platform of tools, software components and services for developing embedded systems.

WINTERPARK ENGINEERING LLC

WinterPark staff have been working within the automotive industry since the inception of OBDII in 1994. Since our founding in 2006, we have been providing solutions in three areas: calibration & testing, certification documentation, and consulting. WinterPark Engineering provides complete OBD certification & documentation services for marine, automotive, motorcycle, military, government, industrial, and heavy-duty manufacturers.

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ON-BOARD DIAGNOSTICS SYMPOSIUM AMERICAS

September 13-15, 2022

Garden Grove, CA

sae.org/obd-na



PROGRAM SCHEDULE

TUESDAY

9:00 a.m.-9:15 a.m.

Welcome and Opening

John Van Gilder, Van Gilder Engineering, LLC

9:15 a.m.-10:00 a.m.

Keynote Speaker

Michael McCarthy, California Air Resources Board

10:00 a.m.-10:30 a.m.

Networking Break with Exhibits

10:30 a.m.-11:15 a.m.

Light Duty CARB Update

Xiangyi Li, California Air Resources Board

11:15 a.m.-11:45 a.m.

Regulated diagnostic communication in an Service Oriented Vehicle Diagnostics context

Joakim Pauli, Volvo Group

11:45 a.m.-12:15 p.m.

Worldwide OBD Regulations Update

Janean Potter, General Motors LLC

12:15 p.m.-1:30 p.m.

Lunch

1:30 p.m.-2:00 p.m.

Signal Flow Analysis required for OBD Compliance Reporting

Stephan Mauk, Concentrio AG

2:00 p.m.-2:30 p.m.

Tampering of Emission Controls and Countermeasures

Dimitrios Kontses, Aristotle University of Thessaloniki

2:30 p.m.-3:00 p.m.

Toyota Battery Electric Vehicle Diagnostics Overview

Mort Smith, Toyota Motor North America

3:00 p.m.-3:30 p.m.

Networking Break with Exhibits

3:30 p.m.-4:00 p.m.

Challenges with On Board Monitoring

Sarah Funk and Erika Pruski, General Motors LLC

4:00 p.m.-4:30 p.m.

An introduction to the standard requirements for on-board data tracking and recording of light vehicles in China

Le Liu, CATARC (China Automotive Technology and Research Center)

4:30 p.m.-5:15 p.m.

Introduction of China Next Stage OBD for Light Duty Vehicles

Yumin Fu, Vehicle Emission Control Center

WEDNESDAY

9:00 a.m.-9:30 a.m.

Getting Ready for ZEV OBD--An Off-the-Shelf Software Stack

Wigbert Knape, Vector Informatik GmbH

9:30 a.m.-10:00 a.m.

Zero Emission Vehicle Update

Andrew Zettel, General Motors Proving Ground

10:00 a.m.-10:30 a.m.

Networking Break with Exhibits

10:30 a.m.-11:00 a.m.

Challenges to develop a range monitor for all-electric vehicles

Gianni DiMartino, APS-technology GmbH

11:00 a.m.-12:00 p.m.

Roundtable Discussion: Zero Emission Vehicles

Moderator: Andrew Zettel, General Motors

12:00 p.m.-1:30 p.m.

Lunch

1:30 p.m.-2:30 p.m.

OBD Standards Review : J1979, J2012, J1699

Mort Smith, Toyota Motor North America & Rob Weiss, Mahindra Automotive North America

2:30 p.m.-3:00 p.m.

An OBD Compliant 12V Main Battery and DEC-ECU. Wait, what??

Michael Taljonick, IAV Automotive Engineering Inc.

3:00 p.m.-3:30 p.m.

Networking Break with Exhibits

3:30 p.m.-4:00 p.m.

Design considerations for the diagnostics concept of a fail-operational steering system for an L4/L5 automated vehicle

Marcel Romijn, Roben Automotive

4:00 p.m.-5:00 p.m.

Roundtable Discussion: Communication / Unified Diagnostic Services (UDS) / Electronic Periodic Technical Inspection (EPTI), J1979-2, CyberSecurity

Moderators: Marcel Romijn, Roben Automotive and Mort Smith, Toyota Motor North America

5:30 p.m.

Reception

THURSDAY

9:00 a.m.-9:45 a.m.

Roundtable Discussion: EU Regulatory

Moderators: Frank Dorer, Volkswagen AG and Hector Sindano, Ricardo UK, Ltd.

9:45 a.m.-10:15 a.m.

On-board Electrostatic PM (ePM) Sensing for Filter IUMPR Compliance

Patrick Thompson, Emisense Technologies LLC

10:15 a.m.-10:40 a.m.

Networking Break with Exhibits

10:40 a.m.-11:30 a.m.

Project updates from California Bureau of Automotive Repair

Paul Hedglin, Jonathan Gee, and Marlo Solidum, Bureau of Automotive Repair

11:30 a.m.-12:00 p.m.

Diagnostic and Repair Services for Advanced Driver Aid Systems and Automated Vehicles

Mark Monohon

12:00 p.m.-1:00 p.m.

Lunch

Sponsored by Cummins

1:00 p.m.-1:30 p.m.

Another look at the diagnostics for exhaust systems with dual urea

Michiel Van Nieuwstadt, Ford Motor Company

1:30 p.m.-2:00 p.m.

OBD goes ODX: Architecture of the ODX database for MVCI-based OBD Scantools

Peter Subke, Softing Automotive

2:00 p.m.-2:30 p.m.

OBD Test Efficiencies Through Automation

John Bowman, General Motors LLC

2:30 p.m.-3:00 p.m.

Networking Break with Exhibits

3:00 p.m.-3:45 p.m.

REGULATORY UPDATE: Heavy Duty OBD & Motorcycle

Frederico Garza, California Air Resources Board

3:45 p.m.-4:45 p.m.

Roundtable Discussion: Heavy Duty & Motorcycle

Moderators: Justin Owen, Cummins Inc. and Marcel Romijn, Roben Automotive