



June 11-13, 2019

**Monona Terrace Convention Center
Madison, Wisconsin**

Objective:

ACS is organizing and hosting our fifth Engine and Vehicle Test Facility Forum to bring together industry peers in a non-commercial environment to share best practices and learn about new technologies related to the design, construction, operation, and maintenance of engine and vehicle test facilities.

Who Attends:

Attendees include a diverse group of engineering, test, and facility managers who have direct responsibility for engine and vehicle test facilities planning and/or operations. In prior years we've had key personnel from small to large engine manufacturers, OEM and Tier suppliers of vehicles and equipment for agriculture, construction, industrial, commercial, recreation, power sports, lawn and garden, passenger car, and power generation markets, as well as university, third-part test, and research labs. Past attendees have commented that the diversity of audience is a key benefit of the Forum.

Program Schedule:

The Forum will run 2 ½ days. Plan to arrive on Tuesday afternoon to attend our informal welcome reception in the early evening. Sessions are all day Wednesday and ½ day on Thursday, with an industry networking event on Wednesday evening. We conclude the program with a speaker at lunch on Thursday. You'll have the opportunity to interact with your peers in both formal and informal settings. It is a great time of the year to visit Madison and the state of Wisconsin.

The Program:

The format will be a mix of panel discussions, speakers, and workshops - with attendee interaction. We are actively requesting attendee involvement throughout the program planning to bring timely issues to the surface. Your involvement ensures our topics are relevant and of interest to you and the marketplace.

Topics:

We would like your input on the topics listed below. Ultimately, the success of this forum will be driven by a high level of industry involvement, so we welcome your ideas and feedback.

Panelists/Speakers:

Our goal is to make this a valuable forum that does not place undue burdens on attendees who contribute as panelists or speakers. Will you join us on a panel discussion or contribute in another way?

Travel & Hotels:

The Monona Terrace Convention Center is on the shores of Lake Monona in Madison, Wisconsin and just blocks from the Capitol Square. It's just a short cab ride from the Dane County Regional Airport. We will have blocks of rooms reserved at downtown-area hotels for your convenience.

Conference program, meals, and networking events are compliments of ACS. Attendees are responsible for their own travel and hotel costs.

For more information about the Forum, please email us at evtforum@acscm.com





SCHEDULE OF EVENTS

TUESDAY, JUNE 11

6:00 - 9:00 Welcome Reception at the Madison Club

WEDNESDAY, JUNE 12 | MONONA TERRACE

7:00 AM - 7:45 AM	Registration & Breakfast
7:45 AM - 8:00 AM	Welcome
8:00 AM - 9:30 AM	SESSION 1
9:30 AM - 10:00 AM	BREAK
10:00 AM - 11:30 AM	SESSION 2
11:30 AM - 1:00 PM	KEYNOTE & LUNCH
1:00 PM - 2:30 PM	SESSION 3
2:30 PM - 3:00 PM	BREAK
3:00 PM - 4:30 PM	SESSION 4
5:00 PM - 9:00 PM	NETWORKING EVENT

THURSDAY, JUNE 13 | MONONA TERRACE

7:00 AM - 8:00 AM	BREAKFAST
8:00 AM - 9:30 AM	SESSION 5
9:30 AM - 10:00 AM	BREAK
10:00 AM - 11:30 AM	SESSION 6
11:30 AM - 1:00 PM	KEYNOTE & LUNCH

Which are of Most Interest to You?

How Do You Get from Bar Napkin to Project?

Factors to Consider When Planning a Capital Project

Getting approvals, defining requirements, stakeholder involvement, environmental & safety considerations, tools & techniques

Is Your Lab Ready for Electrification and Autonomous Vehicle Testing?

Impacts on Your Facility Planning

Identifying needs, developing specifications, designing for functionality & flexibility

How Are New Technologies Being Used to Meet Test Environment Safety Goals?

Technology Implications for Safety in the Test Cell

Codes, standards, best practices, industry metrics

What Does Phase II Greenhouse Gas Regulation Mean for Your Test Environment?

Making the Shift from Engine to Vehicle Testing

Heavy-duty vehicle testing, specification development, equipment & facility requirements

What Are the Implications for Your Lab as Simulation Continues to Evolve?

Virtualization and Testing

Development, testing, complexity, software integration, real-time mbedded systems, HIL (Hardware-in-the-Loop)

When is it Time to Upgrade Test and Lab Equipment?

Managing Equipment Obsolescence from Aging AHUs to CPUs

Budget development, predictive and preventative maintenance, evaluating equipment and suppliers

What Does it Take to Thrive in a "Do More with Less" Work Environment?

Strategies for Managing Resources in the Test Environment, Especially People

Managing multiple shifts, finding the right skill sets and attitude, transfer of know-how and collective wisdom of your organization

What Do You Need to Know About Big Data, Internet of Things (IoT), and Industry 4.0?

Managing Now with an Eye on the Future

Product development, testing, manufacturing, data, connectivity, tools, techniques, optimizing processes

Can a Collaborative Development Approach be Applied to Testing?

Learning from examples in the product development world

Beyond cobranding, strategic alliances, and teaming

Best Practices Topics – Mini-sessions on the following topics:

- Test cell calibration
- Fuel safety
- Zero entrance policy
- Sensor mounting
- Quick engine changeout
- Fire safety in a test cell