The recent discovery of emission defeat devices in diesel-powered Volkswagen automobiles highlights the vital role real-world testing plays in characterization of emissions and impacts on human health and the environment. Regulated test methods are beneficial as they provide a framework for product development, but do not show the complete picture. As a consequence, regulators around the world have pledged increased emission measurements of diesel and other cars under real-world driving conditions. The state of technology of Portable Emissions Measurement Systems (PEMS), and our approach to using them, will be the limiting factor in how far we can go in relying on these measurements for characterizing performance and compliance. Also of interest are related Inspection and Maintenance programs.

Join us for in-depth discussions with the top minds from industry, government, and researchers on discussing this subject. Discussion topics will include: What level of accuracy is needed to identify deviations from regulation? Are road-side measurements sufficient or are on-vehicle measurements needed for determining outliers? How can you manage larger datasets from PEMS or a community of users to advance our understanding? Do we need better education, applications, or protocols? What are the future needs such as micro PEMS/sensors, or new measurements such as particle number?

The workshop will also offer ample networking opportunity to exchange ideas and form partnerships with people from around the world, develop and describe new proposed projects for PEMS, and gain hands on experience with the manufactures of new tools and how to use them.

Those who should attend are:
- Regulators\Agencies\Port Authorities
- Manufacturers of Engines & Vehicles
- Manufacturers of PEMS
- Consultants and Scientists
- In-use Test Engineers
- Modeling Researchers

We look forward to your participation at the 6th International PEMS workshop and help in shaping the future of emissions measurement.

Sincerely,

Kent Johnson, Ph.D.
PEMS/PAMS user, developer, and conference coordinator