First Responder Clean Transportation Demonstration Day at the NC Center for Automotive Research (NCCAR)

Please join us on November 09, 2017 for a first responder clean transportation demonstration day at NCCAR. Come learn about alternative fuel vehicles and clean transportation technology applications specific to law enforcement, fire and rescue, and emergency medical services. The event will include class room instruction with real world case study results, hands on product static review, closed course ride and drive, and lunch. Four (4) hours of CE certification provided. We are currently seeking CE approval from various state and professional vocational groups.

See and learn about available technologies that can save money, improve efficiency, and extend vehicle service life. Featured technologies will include:

- LPG vehicles
- CNG vehicles
- PHEV vehicles
- Idle reduction technologies
  - Auxiliary power units (electric and internal combustion)
  - Calibration software
  - Electrified parking
  - Start-stop technologies
NCCAR Facilities

Designed to exacting standards, the NCCAR is an independent, non-profit center devised to meet the ever-evolving product research, testing, and development demands of the automotive industry. State sponsorship and affiliation with North Carolina’s university and community college system offers exceptional opportunities for matching the innovative talents of the world’s automotive industry with the research capacity and business development resources of the State of North Carolina. On the 620-acre site, NCCAR is home to a two-mile bi-directional road course, a two-acre vehicle dynamics area, a seven-acre dirt facility, and three-mile dirt trails for trucks or side by sides, and six-plus miles of ATV and dirt bike trails. In addition, the NCCAR facility offers multiple conference rooms and client suites, fully equipped with tools and technologies.

Facilities include:

- 2 mile road course
- Vehicle dynamics areas with high-speed entry
- Off road features and trails
- Client garages with high speed connectivity
- Work shops
- Conference/classroom space with laptop projectors available, audio/video equipment, and high speed wifi

Road Course:

- 2 mile long x 40 feet wide bi-directional serpentine road course with 0.5 mile straightaway, 11 constant radius corners, large grassy run-off shoulders, and minimal barriers
- 7 corner marshal stations
- Vehicle dynamics area of 2 acres (128 ft x 700 ft) attached to main straightaway
- 2 access roads offer various ingress/egress options for track usage
- Elevation changes from +10 feet to -5 feet
- 2 spectator viewing zones
- 5 PTZ video cameras around track periphery
Sponsorship opportunities available: Please contact Rick Sapienza at the NC Clean Energy Technology Center via phone at 919-515-2788 or email resapienza@ncsu.edu for details and pricing. Opportunity to bundle with Sustainable Fleet Technology Conference & Expo and Alternative Fuel Vehicle Demonstration and Tailgate also available.

Sponsorship Includes:
- Vehicle/equipment display opportunity for static review and/or Ride & Drive.
- Opportunity to present product information and testimonials/case studies to attendees (5 -10 minutes in classroom/conference setting). Rest of the day at displays and on track.
- Company logo with hyperlink on electronic promotional materials.

Agenda for First Responder Clean Transportation Demonstration Day at the NC Center for Automotive Research (NCCAR) Thursday, November 09, 2017

- 7:00am - 9:00am Setup
- 8:00am - 9:00am Registration & Continental Breakfast
- 9:00am - 10:30am Classroom Session 1 and Static Review (Includes Road Course Briefing - Required)
- 10:30am - 12:00pm Classroom Session 2 and Static Review (Includes Road Course Briefing - Required)
- 12:00pm - 1:30pm Lunch & Learn Considerations for CNG Maintenance Facility Upgrades
- 1:30pm - 4:30pm Static Review and Closed Course Ride & Drive
- 4:30pm - 5:30pm Close Course & Breakdown

Classroom session 1 and 2 will be identical. Group will be split and switch between hands-on static review and classroom session. Classroom session will be for background and testimonial/case study presentation on technologies. Ten minutes per technology including testimonial/case study. Hands-on static review will be for clarification and reinforcement of classroom instruction.

Recruitment for the event will be targeted at law enforcement; fire and rescue, and emergency medical services personnel; fleet managers; and government officials involved in procurement decisions for vehicles and equipment in NC, VA, and DC. We will seek cooperation from professional organizations such as NC DOI OSFM, IFMA, NC SFA, NFPA, NCACP, NCSPA, NCLEOA, NCREMS, NCAEMSA, IAFC, and counterparts in VA for event recruitment. In addition, we will advertise to NC Clean Energy Technology Center lists in NC, VA, and DC, as well as seek support from the Clean Cities Coalitions in NC, VA, and DC.