

## Hybrid & EV Awareness and Operations It's Not IF, But WHEN!

This course will cover key topics as they relate to incidents involving Hybrid and Electric Vehicles, including personal transportation, e.g. scooters and electric bicycles. The course will cover conducting risk assessments; pre-planning for incidents; the need for SOPs/SOGs; key hazards; standards & codes; vehicle components; voltages; approaches; suppression actions; impact on "Quick Clearance"; towing considerations, and much more. Students will learn key strategies and tactics for dealing with fire and non-fire incidents involving these types of vehicles. Students will be provided sample SOPs/SOGs that they can take back and use within their organizations. Specific case studies will be used to stress learning objectives. Strategies and tactics will be covered for both fire and non-fire incidents.

### **Instructor – Tom Miller**

Tom Miller is a 38 year veteran of the West Virginia fire service. He is a Pro-Board certified Firefighter II, Fire Instructor III and as a Hazardous Materials Technician & Incident Commander, and is state certified to the Technician Level in various aspects of Technical Rescue including Vehicle Machinery, Rope, Swiftwater, and Confined Space. He has been an Adjunct Instructor with West Virginia University Fire Service Extension since 1990 and has written numerous courses on specialized topics on hazardous materials and emergency response and delivered them across the country. Tom has been published in trade publications including Firehouse and Fire Engineering magazines. He is the West Virginia Director to the NVFC and serves as the Chair of its Hazardous Materials Response Committee and its Pandemic Response Task Group, as well as serving as an SME on the various Technical Committees and with COVID-TAC, NFPA, PHMSA, the U.S. D.O.T., the National Security Council, and the D.O.D.. Tom also serves on the NVFC Homeland Security; Standards & Codes; and Health, Safety & Training committees. He is a Principal on the NFPA 470 (formerly 472/473/475/1072) Technical Committee and served on the Joint 1001/472 Task Group. Tom has Bachelor of Science degree from West Virginia State University and a Master of Arts degree from the School of Education and Professional Studies at Marshall University.