



Session 2B:

Research Based EV Firefighting Techniques and the Impact on Stranded Energy

The Fire Protection Research Foundation at NFPA has recently released a report on firefighting tactics on Electric Vehicles and the impact that the stranded energy in the batteries played in the outcome of the suppression operations. This program will review the findings of this research and outline ways to improve the knowledge base of EV firefighting guidance by establishing effective firefighting tactics, techniques for mitigating thermal runaway and the risk of battery reignition, and mitigation strategies for the stranded energy risk during and after an incident.

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Bob Duval NFPA

Robert has been the Fire Investigator for the NFPA (National Fire Protection Association), which is based in Quincy, Massachusetts, since 1997. Robert is responsible for conducting investigations of technically significant incidents in order to gather, "Lessons Learned" from each incident to apply those lessons to improving NFPA codes and standards. The investigation of these incidents includes documenting the emergency services response, the structure(s) involved as well as the events leading up to and following the incident.



Robert was named the New England Regional Manager for NFPA in 2003. His region expanded in 2018 to include NY and NJ and is now referred to as the Northeast Region.

As Regional Director, Robert is responsible for outreach within the northeast states regarding code adoptions, and training. He also serves as a point of contact for stakeholders in the NFPA process, including the fire service, engineering and safety professionals