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Dr. Chris LaFleur is the program manager of the Safety, Codes and Standards Program at Sandia National Laboratories in Albuquerque, NM. Chris has more than 25 years in progressively responsible positions in Risk Management and Fire Protection Engineering. Recent work includes characterizing the risks from traffic incidents involving hydrogen fuel cell vehicles in tunnels for several metropolitan areas on the east coast. This work also includes evaluating the impacts of hydrogen jet flames on steel and concrete structural members. Chris has also led the risk characterization efforts for maintenance facility modifications to allow natural gas and hydrogen powered vehicles to be repaired indoors. Additional studies include failure mode analysis for liquefied natural gas fueled locomotives and other heavy fleet vehicles. These analyses enable the safe implementation of cleaner transportation fuels to reduce the US reliance on fossil fuels and increase the availability of renewable energy solutions. Chris has represented the United States in developing hydrogen codes and standards for maritime applications and has authored peer-reviewed papers on hydrogen fuel stations performance-based designs. Prior to joining Sandia, Chris worked at General Motors where she managed the corporate fire protection standards and was responsible for property insurance and enterprise risk management. Chris began her career as an environmental engineer for Parsons Engineering Science. Chris is a licensed professional engineer and serves as a principal member of the sprinkler discharge criteria committee of NFPA 13, Installation of Sprinkler Systems, and NFPA 2, Hydrogen Technologies Code. She also serves on the DOE Hydrogen Safety Panel. Chris earned a B.S. in Geology and Mechanical Engineering from the University of Rochester, a M.S. in Fire Protection Engineering from the University of Maryland. She also earned a Doctorate of Engineering in Manufacturing Engineering from the University of Michigan.