

## **Raymond A. Grill, P.E., FSFPE**

Ray is a Principal of Arup and the leader of Arup Fire in the Americas. He is licensed as a fire protection and mechanical engineer in several states and has over twenty five years experience in fire protection engineering. Ray is the current president of the Society of Fire Protection Engineers and is a Fellow of the Society. He also serves as a trustee of The Fire Protection Research Foundation of the National Fire protection Association.

Ray has extensive experience in the development of comprehensive fire protection and life safety programs for structures of all types. He is regularly involved in the development of equivalencies to building and fire code requirements based on the intent of the code and substantiated by engineering calculations and performance based analysis techniques. He serves as an expert on litigation involving building and fire code application and compliance and fire protection system performance.

He is the editor of the Detection and Alarm Section of the Nineteenth Edition of the NFPA Fire Protection Handbook and is a chapter editor of the Handbook to the 2002 Edition of the National Fire Alarm Code.

Ray has served on a number of NFPA technical committees including the NFPA 13 Correlating Committee, the new Premises Security Committee (NFPA 730 & 731) and currently chairs the Notification Appliances Technical committee of the National Fire Alarm Code Project (NFPA 72) and serves on the Technical Correlating Committee of NFPA 72.

Ray was the principal investigator for two NIST contracts issued in support of the WTC disaster investigation. Those contracts dealt with building code requirements and application and fire alarm system design and performance.