James G. Quintiere is the John L. Bryan Professor of Fire Protection Engineering at the University of Maryland, College Park, MD, where he has taught and conducted research since 1990. Prior to that, Jim was Chief of the Fire Science and Engineering Division at the National Institute of Standards and Technology, Gaithersburg, MD. Jim has degrees in Mechanical Engineering from the New Jersey Institute of Technology (BS) and New York University (M.S. and Ph.D.). He has over 100 journal publications on the behavior of materials in fire including ignition, flame spread and burning rate to the behavior of fire in buildings including flashover, smoke movement, and modeling and has authored or coauthored 3 books on fire dynamics.