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SESSION 4A	445 Biltmore Avenue – Impact of Fire Barrier Maintenance on Fire Department Operations (A Case Study)
SESSION DESCRIPTION	<p>This session will review an analysis of the impact of inadequate fire barrier maintenance on the July 28, 2011 fire that occurred at 445 Biltmore Avenue in Asheville, North Carolina in which a fire captain died and multiple firefighters were injured. FDS was used to evaluate the relative impact of unsealed openings through corridor walls, focusing on the impact on fire department operations, and specifically on the conditions presented to firefighters upon their arrival.</p> <p>Building/Fire Officials, Architects, Engineers and Building Owners involved with designing, inspecting or maintaining these features will gain important insight from this presentation.</p>
SPEAKERS BIO	<p>Dan Arnold is an FPE graduate from the University of Maryland with more than 43 years of experience in fire protection; 37 years as a FPE. His early experience was as a volunteer firefighter in PG County, Maryland. His engineering experience includes 16 years with Rolf Jensen & Associates where he was a Vice President/Engineering Manager. In 2001, Mr. Arnold founded Seneca Fire Engineering, LLC; a consulting firm that provides fire protection engineering services.</p> <p>Mr. Arnold is a registered professional engineer in 21 states and an SFPE Fellow. He has taught numerous seminars and written articles on a variety of fire protection and loss analysis topics. He is Past President of the Greater Atlanta SFPE Chapter currently serves on the SFPE Board of Directors.</p> <p>Craig Hofmeister is a Principal at the fire protection engineering consulting firm The Fire Consultants, Inc. and has over 20 years of experience in fire protection engineering consulting, building code consulting, systems design, and performance-based design/alternate design analysis. Mr. Hofmeister received a Bachelors degree in Civil Engineering and a Masters degree in Fire Protection Engineering from Worcester Polytechnic Institute.</p> <p>Mr. Hofmeister has published and presented numerous technical papers with topics including fire modeling and performance-based smoke control analyses, sustainable building design strategies, thermo-structural heat transfer analysis and halon replacement strategies. Mr. Hofmeister is a Fellow of SFPE, a member of NFPA, and currently serves as a member of several SFPE task groups and NFPA standard technical committees, including serving as the Chair of the SFPE Task Group to develop the document ‘Guidelines for Substantiating a Fire Model for a Given Application.’”</p>