

Fire Measurement Method and Experimental Technique Workshop

2009 Building and Fire Research Laboratory Annual Fire Conference
National Institute of Standards and Technology
Gaithersburg, Maryland
Wednesday, April 29, 2009

- 8:30 Plenary Speaker (Green Auditorium)
Morgan Hurley, SFPE, *The Future of Fire Protection Engineering*
- 9:00 Introduction
Giann Yang and Matthew Bundy, BFRL
- 9:15 Session 1: “Fire Measurements in Materials”
William Pitts, BFRL, *Fire Spread and Growth on Bare and Fabric-Covered Flexible Polyurethane Foam*
Gregory Linteris, BFRL, *Absorption of Thermal Radiation by Pyrolyzing Materials*
Samuel Manzello, BFRL, *Performance of Loaded Gypsum Wall Exposed to Fire*
Susumu Tsuchino, Japan Nuclear Energy Safety Organization, *Glovebox Fire Experimental Study*
- 10:30 Break/Poster Session
- 11:00 Session 2: “Hydrogen Fire Safety”
Jackie Sung, Case Western Reserve University, *Hot Surface Ignition of Hydrogen*
William Pitts, BFRL, *Unintended Releases in Enclosure – Experiments*
Kuldeep Prasad, BFRL, *Unintended Releases in Enclosure – FDS Validations*
Vivien R. Lecoustre, University of Maryland, *Experimental and Numerical Investigation of Hydrogen Flame Quenching Limits*
- 12:30 Lunch
- 1:30 Plenary Speaker (Green Auditorium)
Pravinray Gandhi, Underwriters Laboratories, *Designing Experiments to Address Fire Modeling Challenges*
- 2:00 Session 3: “Fire Measurements in an Under-ventilated Enclosure”
Andrew Lock, BFRL, *Combustion Species*
Rodney Bryant, BFRL, *Gas Velocity*
Paul Fuss, BFRL, *Soot*
Matthew Bundy, BFRL, *Heat Release Rates*
- 3:30 Break/Poster Session
- 4:00 Session 4: “Other Topics in Fire Measurements”
Rik Johnsson, BFRL, *Motor Coach Flammability Testing*
Naian Liu, State Key Laboratory of Fire Science, *Preliminary Experimental Study of Medium-Scale Fire Whirl*
Richard Gann, BFRL, *Reduced Ignition Propensity Cigarettes: Status and New Developments*
TBA
- 5:30 Close

7:00 Informal Workshop Dinner at a local restaurant – Cost is on your own