

Fire Modeling 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  
Kevin McGrattan, BFRL
- 9:15 Session 1: The Virtual World – Web 2.0 and the new wave of communication  
Bryan Klein, BFRL, *The Power of Social Media*  
Amanda Robbins, Building Research Assoc. of New Zealand (BRANZ), *Virtual Communities*  
Brian Hardeman, Thunderhead Engineering, Manhattan, Kansas, *GUI Developments*  
Dave Swensen, Reaction Engineering International, Salt Lake City, Utah, *Virtual Trainers*  
Glenn Forney, BFRL, *What's New with Smokeview?*
- 10:30 Break/Poster Session
- 11:00 Session 2: The Mathematical World – fire, flows, and fast solvers – the next generation of algorithms  
Jason Floyd, Hughes Associates, Baltimore, Maryland, *Advances in Combustion Modeling*  
Randy McDermott, BFRL, *FDS 6 and Beyond*  
Susan Kilian, hhpberlin, Fire Safety Consultancy, Germany, *Why the Pressure Solver is so Important*  
Kevin McGrattan, BFRL, *Calculating Model Error*
- 12:30 Lunch
- 1:30 Plenary Speaker (Green Auditorium)  
Pravin Gandhi, Underwriters Laboratories, Northbrook, Illinois, *Designing Experiments to Address Fire Modeling Challenges*
- 2:00 Session 3: The Material World – How will we deal with real stuff that burns?  
Nick Dembsey, WPI, Worcester, MA, Marc Janssens, SwRI, San Antonio, TX, *The Materials Bible*  
Kuldeep Prasad, BFRL, *Modeling Foam*  
Greg Linteris, BFRL, *Thermoplastics*  
Anna Matala, VTT, Finland, *Complex Materials*
- 3:30 Break/Poster Session
- 4:00 Session 4: The Real World – What do we actually do with fire models?  
Craig Hofmeister, Rolf Jensen & Associates, Raleigh, North Carolina, *The Business Model*  
Jason Dreisbach, Dave Stroup, US Nuclear Regulatory Commission, Francisco Joglar, SAIC, *The Regulatory Model*  
Doug Carpenter, Combustion Science & Engineering, Dave Sheppard, Bureau of Alcohol, Tobacco and Firearms, Chris Wood, Firelink LLC, *The Forensic Model*
- 5:30 Close
- 7:00 Informal workshop dinner at a local restaurant – Cost is on your own