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SELECTED PUBLICATIONS

- Ma, T., S. M. Olenick, M.S. Klassen, R.J. Roby and J. Torero, "**Burning Rate of Liquid Fuel on Carpet (Porous Media)**", submitted to the IAFSS 7th International Symposium of Fire Safety Science (2002).
- Holton, M.M., S.M. Olenick, M.S. Klassen, and R.J. Roby, "**A Study of the Effectiveness of Passive Infrared Burglar Alarms to Detect Fires and Smoke**," presented at NFPA's 6th Fire Suppression & Detection Research Application Symposium, **Tampa, FL**, January 2002.
- Zhang, W., A.J. Hamer, M.S. Klassen, D.J. Carpenter, and R.J. Roby, "**Verification of the Turbulence Statistics for Fire Dynamic Simulator in a Room Fire**," presented at 3rd Technical Symposium on Computer Applications in Fire Protection Engineering, **Baltimore, MD**, September 2001.
- Olenick, S.M., M.S. Klassen, and R.J. Roby, "**Validation Study of FDS for a High-Rack Storage Fire Involving Pool Chemicals**," presented at 3rd Technical Symposium on Computer Applications in Fire Protection Engineering, **Baltimore, MD**, September 2001.
- Zhang, W., A.J. Hamer, M.S. Klassen, D.J. Carpenter, and R.J. Roby, "**Turbulence Statistics in a Fire Room Model By Large Eddy Simulation**," presented at 2nd Joint Meeting of the U.S. Sections of the Combustion Institute, **Oakland, CA**, March 2001.
- Klassen, M. S., J. A. Sutula, M. M. Holton, R. J. Roby and T. Izbicki, "**Transmission through and breakage of Multi-pane Glazing due to Radiant Exposure**", in preparation (2001).
- Klassen, M. S., D. D. Thomsen, J. R. Reisel, N. M. Laurendeau, "**Laser-induced Fluorescence Measurements of NO formation in High-Pressure Methane Flames**", *Combustion Science and Technology* 110-111, 229-247 (1996).
- Reichardt, T. A., M. S. Klassen, G. B. King, and N. M. Laurendeau, "**Measurements of Hydroxyl Concentrations and Lifetimes in Laminar Flames using Picosecond Time-resolved Laser-induced Fluorescence**", *Applied Optics*, in press (1996).
- Partridge, W. P. Jr., M. S. Klassen, D. D. Thomsen, N. M. Laurendeau, "**Experimental Assessment of O₂ Interferences on LIF Measurements of NO in High-Pressure Lean Premixed Flames using Narrow-band and Broad-band Detection**", *Applied Optics*, in press (1996).
- Reichardt, T. A., M. S. Klassen, G. B. King, and N. M. Laurendeau, "**Real-time Acquisition of Laser-Induced Fluorescence Decays**", *Applied Optics* 34, 973-976 (1995).
- Klassen, M. S., B. D. Thompson, T. A. Reichardt, G. B. King and N. M. Laurendeau, "**Flame Concentration Measurements using Pico-second Time-Resolved Laser-Induced Fluorescence**", *Combustion Science and Technology* 97, 391- 403 (1994).
- Hamins, A., S. J. Fischer, T. Kashiwagi, M. Klassen, and J. P. Gore, "**Measurement of Heat Feedback to the Fuel Surface in Pool Fires**", *Combustion Science and Technology* 97, 37-62 (1994).
- Klassen, M. and J. P. Gore, "**Temperature and Soot Volume Fraction Statistics in Toluene-Fired Pool Fires**", *Combustion and Flame*, 93, 270 - 278 (1993).

- Klassen M., J. P. Gore, A. Hamins, T. Kashiwagi, "**Radiative Heat Feedback in a Toluene Pool Fire**", 24th Symposium (International) on Combustion, The Combustion Institute, Pittsburgh, 1713- 1719 (1992).
- Klassen, M., M. diMarzo, and J. Sirkis, "**Infrared Thermography of Dropwise Evaporative Cooling**", Experimental Thermal and Fluid Science 5, 136-141 (1992).
- Klassen, M., J. P. Gore, and Y. R. Sivathanu, "**Simultaneous Emission- Absorption Measurements in Toluene - Fueled Pool Flames: Mean and RMS Properties**", Combustion and Flame 90, 34 - 44 (1992).
- Hamins, A., M. Klassen, J. Gore, and T. Kashiwagi, "**Estimate of Flame Radiance via a Single Location Measurement in Liquid Pool Flames**", Combustion and Flame 86, 223-228 (1991).
- Gore, J. P, M. Klassen, A. Hamins, and T. Kashiwagi, "**Fuel Property Effects on Burning Rate and Radiative Transfer from Liquid Pool Flames**", Third International Symposium on Fire Safety Science, Edinburgh, Scotland, 395 (1991).