2007 AFOSR MURI Kick-Off Meeting

Generation of Comprehensive Surrogate Kinetic Models and Validation Databases for Simulating Large Molecular Weight Hydrocarbon Fuels

Holiday Inn, Princeton
100 Independence Way
Princeton, NJ 08540

September 17, 2007

- 8:00 am Registration
- 8:25 am Welcome (A. Smits, Chair, MAE, Princeton University)
- 8:30 am Opening remarks (J. Tishkoff, AFOSR)
- 8:45 am MURI Research Background, and Overall Plan (F.L. Dryer)
- 9:30 am Team Research Task Discussions (~25 minutes, ~5 min questions)
  1. Flow Reactors for Validation Data Base Development (F.L. Dryer)
  - Coffee break
  2. Characterization of Stable Intermediates at High Pressures (K. Brezinsky)
  3. Rapid Compression and Extinction Limits Measurements (C-J. Sung)
  4. Soot Characterization (R.J. Santoro, T.A. Litzinger)
  5. Kinetic Mechanism Development and Validation (F.L. Dryer, H.C. Curran)
  6. Burning Rate, Kinetic Coupling and Mechanism Reduction (Y. Ju)

- 12:45 Lunch
- 1:45 pm Summary Program Remarks (F.L. Dryer)
- 2:00 pm Participant Discussions
  - 3:45 Coffee break
- 4:00 p.m. Meeting Summary
- 4:30 p.m. Adjournment and Lab tour of all Princeton Combustion Facilities