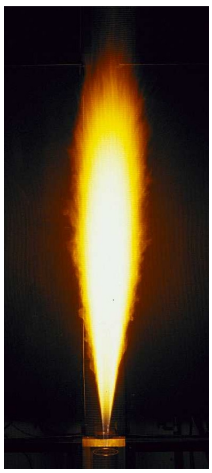

International Sooting Flame (ISF) Workshop

First Announcement

July 28th (6:00pm) - July 29th (3:00pm), 2012
Warsaw, Poland

Delegates are invited to the inaugural meeting of the International Sooting Flame Workshop, which will launch an ongoing, international collaboration between experimentalists and modellers. It will identify research priorities, coordinate research activities and establish a data-base of selected flames with soot that are suitable for model development and validation, while also being relevant to practical application. The workshop will address the formation, oxidation and emission of soot and its role in radiation and pollutant emissions from simplified flames of key classes of technology.

Aims of the Workshop

- To identify common research priorities in the development and validation of accurate, predictive models of flames with soot and to coordinate research programs to address them.
- To identify and coordinate well-defined target flames that are suitable for model development and validation, spanning a variety of flame types and fuels in each of the Research Programs.
- To establish an archive of the detailed data sets of target flames with defined accuracy; and to provide a forum for the exchange and dissemination of these data.

Structure of the workshop

The workshop will provide a forum for open discussions and interaction between delegates around the following three Research Programs:

- **Laminar flames:** Chemical Kinetics (PAH, inception, growth and oxidation);
  Particle dynamics (moment methods, sectional models, coalescence vs. aggregation);
- **Turbulent flames:** jet flames, bluff body flames, swirl flames, pool fires, influence of scale;
- **Pressurised flames and sprays:** simplified IC engines, pressurised jet flames, shock tubes;

Organising Committee

Prof GJ Nathan, Prof M Thomson, Prof H Pitsch, Prof BB Dally, Dr C Shaddix, Dr K-P Geigle, Prof H Wang

Scientific Advisory Committee

Prof M Smooke, Prof A D'Anna, Prof P Lindstedt, Prof Ö Gülder, Prof M Frenklach, Prof A Sarofim, Prof H Bockhorn

Program Leaders and Co-leaders

Dr M Colket, Prof M Kraft, Dr V Raman, Prof BB Dally, Dr K-P Geigle, Prof D Howarth

Contact: www.adelaide.edu.au/cet/isfworkshop