Second Announcement

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

MDM Hotel

Warsaw, Poland

www.adelaide.edu.au/cet/isfworkshop

Delegates are invited to the inaugural meeting of the International Sooting Flame Workshop, which is an ongoing, open forum for international collaboration between experimentalists and modellers. Each workshop will compare numerical predictions with measured data from target flames, selected to be suitable for model development and validation while also being relevant to practical application. All data will be archived in an open-access, web-based data-base. The comparisons at each meeting will be reviewed to revise research priorities and coordinate research activities for the following meeting. The workshop will address all aspects of 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 ISF Workshop

- To develop detailed, validated models in a wide range of sooting flames with ever-increasing levels of complexity, including fuel composition, turbulence, pressure and scale;
- To provide an open-access and international forum for the exchange of knowledge, dissemination of data and coordination of research from the experimental and numerical communities;

Objectives of the First Workshop

- To compare the predictions of different models against measurements for the target flames selected for the First Workshop in each of the three programs (see website);
- To identify target flames and research priorities for the next workshop based on research outcomes, current capability and current research plans of the participants;
- To coordinate any administrative tasks needed to facilitate the goals and activities of the workshop.

Structure of the workshop

The discussions in the workshop will be structured around the following three Research Programs:

- **Laminar flames:** Chemical Kinetics (PAHs, inception, growth and oxidation); Particle dynamics (coalescence vs. aggregation, statistical methods);

- **Turbulent flames:** jet flames, bluff body flames, swirl flames, pool fires, influence of scale;
- **Pressurised flames and sprays:** simplified IC engines, pressurised jet/swirl flames, shock tubes; influence of pressure

Invited Contributors to the First Workshop

- Professor Bob Santoro, The Pennsylvania State University, State College, PA.
- Professor Michael Frenklach, University of California, Berkley. CA.

Organising Committee

Prof Gus Nathan	Prof Heinz Pitsch	Prof Hai Wang
Prof Bassam Dally	Dr Chris Shaddix	Dr Klaus-Peter Geigle
Prof Murray Thomson		

Scientific Advisory Committee

Prof Mitchell Smooke	Prof Andrea D'Anna	Prof Peter Lindstedt
Prof Michael Frenklach	Prof Henning Bockhorn	Prof Ömer Gülder

Program Leaders and Co-leaders

Laminar Flames:	Prof Markus Kraft (mk306@cam.ac.uk)	Dr Meredith Colket (ColketMB@utrc.utc.com)
Turbulent Flames:	Prof Venkat Raman (v.raman@mail.utexas.edu)	Prof Bassam Dally (bassam.dally@adelaide.edu.au)
Pressurised Flames:	Prof Dan Haworth (dch12@psu.edu)	Dr Klaus-Peter Geigle (KlausPeter.Geigle@dlr.de)

Process for contributing data to the Workshop

Researchers wanting to present experimental or numerical data to the First Workshop should contact and liaise with the relevant program coordinator, who will be responsible for collating and summarising all data from participating groups. Details of the target flames can be found on the web site.

Registration

The first workshop is limited to 100 delegates based both on the capacity of the venue and to keep the size appropriate for discussion. Priority will be given to delegates who can demonstrate an active participation in the workshop through one of the following:

- contributing experimental data or numerical results on a Target Flame to the Workshop through the relevant Program Leader
- providing or presenting additional data suitable for model development and validation for consideration as additional target flames
- presenting a poster that is both relevant to the objectives of the ISF Workshop and different from work presented at the Combustion Symposium.

To register to the mailing list please visit the workshop's website.

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