



<http://www.adelaide.edu.au/cet/isfworkshop/>

Delegates are invited to the third meeting of the International Sooting Flame (ISF) Workshop, which will promote an ongoing, international collaboration between experimentalists and modellers.

The workshop addresses the formation, oxidation and emission of soot and its role in radiation and pollutant emissions from simplified flames of key classes of technology.

For information on the next workshop, see our 2016 Workshop page.

About the International Sooting Flame (ISF) Workshop

The workshop provides 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 - Simplified IC engines, pressurised jet flames, shock tubes

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.

All members of the research community are invited to participate in the process of contributing either experimental data or modelling calculations for one of the target flames through the Program Leaders.

Target Flames

The workshop advances understanding of current predictive capability through comparison of the predictions of different models against other and against experimental data, in well characterised flames. A number of particular data sets are therefore chosen with in each program as Target Flames for each workshop.

The 3rd International Sooting Flames (ISF) Workshop will be held on Saturday 30th and Sunday 31st July 2016 and will follow a similar format to the 2014 ISF Workshop.

The Workshop will compare the latest predictions from models against experiments in well characterised “Target Flames” through the coordination of Program Leaders in three programs. The results will be used to set targets for the next workshop. More details will be released in time. To be kept updated, please subscribe to the [mailing list](#).

Organising Committee

Professor Gus Nathan

Professor Heinz Pitsch

Professor Murray Thomson

Dr Chris Shaddix

Dr Klaus-Peter Geigle

Professor Hai Wang

Professor Bassam Dally

Scientific Advisory Committee

Professor Andrea D'Anna

Professor Peter Lindstedt

Professor Ömer Gülder

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Professor Henning Bockhorn

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Program Leaders and Co-leaders

Laminar Flames

[Professor Guillaume Blanquart](#)

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Turbulent Flames

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Pressurised Flames

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