



The Combustion Institute

**26TH "JOURNEES D'ETUDES"
of the Belgian Section**

SELECTED TOPICS IN COMBUSTION

May 26-27, 2020

ORGANISED BY



**Universiteit Gent - UGent
Faculty of Engineering and Architecture
Department of Structural Engineering and Building
Materials
Ghent – Belgium**

Organising committee:

Prof. Bart Merci

Prof. Tarek Beji

Dr. Georgios Maragkos

The entire 'Combustion, Fire and Fire Safety' team

COMBUSTION INSTITUTE

The Combustion Institute is an educational non-profit, international, scientific society for promotion and dissemination of research in combustion science. Members play an active role in planning the events held by the Combustion Institute and in arranging for publishing its volumes and journal.

The International Symposium on Combustion is the main activity of The Combustion Institute. The next meeting is the 38th Symposium, to be held in Adelaide, Australia. The biennial symposium attracts members of The Combustion Institute as well as other researchers from around the world, interested in combustion. The synergism produced at this symposium has made it the principal forum for presenting and integrating combustion research results. Members are also responsible for publishing the proceedings of the International Symposium and the journal *Combustion and Flame*. These volumes provide a unique collection of research data.

BELGIAN SECTION

The Belgian section of the Combustion Institute is made up of about 70 members. Every two years, a national two-days meeting is organized, called 'Journées d'Etudes'. The language of the meeting is English. The best paper, presented by a young researcher at that meeting, is selected by a scientific expert committee in the field of combustion and the researcher wins the 'Adolphe Van Tiggelen Award'. An 'Industrial Advisory Board Award' is also granted to encourage members of the Belgian Section to highlight the potential added value of their research for the industrial members of the Section.

The chair of the section is Prof. Francesco Contino.

SCOPE OF THE MEETING

The meeting is organised under the auspices of the Belgian section. Its objectives include both fundamental research and industrial applications relevant to combustion processes. The purpose is to have an overview of the most recent research efforts in the combustion field and to provide opportunities for scientists and engineers to establish collaboration.

Any topic relevant to either fundamental or applied research in combustion is welcome. The scope of the seminar "Selected topics in combustion" will deal with a wide range of subjects related to reaction mechanisms, heat transfer, furnaces and burners, flame structures, modelling, flame inhibition, incineration, pollutants emission, detonation phenomena, fire, etc.

PROGRAM

Tuesday May 26, 2020

8.30 – 9.00	Registration
9.00 – 9.10	Welcome address by B. Merci Opening by F. Contino
9.10 – 10.00	Invited lecture: <i>Some recent developments in our understanding of turbulent swirl flame stabilisation</i> Prof. Epaminondas Mastorakos – Dept. of Engineering, University of Cambridge, UK.
10.00 – 10.30	Break
10.30 – 12.10	Oral presentations
12.10 – 14.00	Lunch
14.00 – 15.50	Oral presentations
15.50 – 16.10	Break
16.10 – 17.00	Oral presentations
18.30 –	Guided Tour and Conference Dinner

Wednesday May 27, 2020

09.00 – 09.50	Invited lecture: <i>Treatment of combustion phenomena in fire modeling</i> Prof. Alexander Snegirev - Peter the Great St. Petersburg Polytechnic University, St. Petersburg, Russia.
09.50 – 10.20	Break
10.20 – 12.00	Oral presentations
12.00 – 13.50	Lunch
13.50 – 15.40	Oral presentations
15.40 – 16.10	Break
16.10 –	General Assembly of the members of the Belgian Section

CALL FOR PAPERS

You are invited to submit an extended abstract (max. 2 pages long, including relevant figures and references) electronically in PDF format by **March 15, 2020**.

Acceptance for oral presentation will be notified by March 31.

Abstracts should be sent to: Martin.Thielens@UGent.be

REGISTRATION AND FEE

A web site will be online by the end of January. Registration and payment will be through that web site.

The registration fees for the meeting include book of abstracts, coffees, drinks, lunches, guided tour and conference dinner. Fees are:

- 195 € for members of the Combustion Institute
- 240 € for non-members of the Combustion Institute
- 130 € for students

An additional 30 € fee will be required for late registration (after April 15, 2020).

VENUE AND ACCOMMODATION

The seminar will be held at 'Het Pand', Onderbergen 1, Ghent, Belgium. Travel information is found on the web site

<https://www.ugent.be/het-pand/nl>

There are many hotels in various price classes in the centre of Ghent.

ORGANISING COMMITTEE

More information will be made available online soon.

Afterwards, please address inquiries to:

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