

**27<sup>TH</sup> "JOURNEES D'ETUDES"**  
of the Belgian Section of the Combustion Institute

**COMBUSTION IN THE ENERGY TRANSITION:  
MITIGATION STRATEGIES, LOW-CARBON  
SOLUTIONS AND CIRCULAR PROCESSES**

Brussels, April 3-5, 2024, Université libre de Bruxelles



**Organising committee:**

Prof. Alessandro Parente  
Prof. Julien Blondeau  
Prof. Aurélie Bellemans  
Prof. Axel Coussement  
Patricia Domingo Alvarez  
Marco Lubrano Lavadera

## THE 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 38<sup>th</sup> 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 comprises about 100 active 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'. The chair of the section is Prof. Alessandro Parente.

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## 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

### Wednesday, April 3<sup>rd</sup>, 2024

12.00 – 14.00	Registration and lunch
14.00 – 14.15	Welcome address by Alessandro Parente
14.15 – 15.15	Invited lecture
15.15 – 15.45	Break
15.45 – 18.00	Oral presentations/Posters
18.30 –	Guided Tour and Conference Dinner

### Thursday, April 4<sup>th</sup>, 2024

09.00 – 10.00	Invited lecture
10.00 – 10.30	Break
10.30 – 12.30	Oral presentations/Posters
12.30 – 14.00	Lunch
14.00 – 15.00	Invited lecture
15.00 – 15.30	Break
15.30 – 17.30	Oral presentations/Posters
17.30 –	General Assembly of the members of the Belgian Section

### Friday, April 5<sup>th</sup>, 2024

09.00 – 10.00	Invited lecture
10.00 – 10.30	Break
10.30 – 12.30	Oral presentations/Posters
12.30 – 14.00	Lunch and farewell

## 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 **February 15<sup>th</sup>, 2024**.

Acceptance for oral presentation will be notified by **February 28<sup>th</sup>**.

Abstracts shall be sent to [marco.lubrano.lavadera@ulb.be](mailto:marco.lubrano.lavadera@ulb.be)

## REGISTRATION AND FEE

Online registration is available at this [link](#).

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

- 250 € for members of the Combustion Institute
- 280 € for non-members of the Combustion Institute
- 180 € for students

An additional 50 € fee will be required for late registration (after March 15<sup>th</sup>, 2024).

## VENUE AND ACCOMMODATION

The JDE will be held at ULB, Solvay Brussels School of Economics and Management, Solbosch Campus, Building R42, <https://www.ulb.be/en/solbosch/campus-map>

### Suggested hotels

Hôtel Argus, Rue Capitaine Crespel 6, 1050 Ixelles, [www.argus-hotel-brussels.com/fr/accueil](http://www.argus-hotel-brussels.com/fr/accueil)

Hotel Barsey by Warwick, Avenue Louise 381-383, 1050 Ixelles, [www.warwickhotels.com/hotel-barsey-by-warwick](http://www.warwickhotels.com/hotel-barsey-by-warwick)

Hotel le Berger, Rue du Berger 24, 1050 Ixelles, [www.lebergerhotel.be/](http://www.lebergerhotel.be/)

Aparthotel Adagio Access Brussels Delta, Boulevard Du Triomphe 207, 1160 Brussels, [HB5M6@adagio-city.com](mailto:HB5M6@adagio-city.com)

Hôtel Ibis Brussels Centre Châtelain, Chaussée de Vleurgat 191, 1050 Ixelles, [all.accor.com/hotel/B638/index.en.shtml](http://all.accor.com/hotel/B638/index.en.shtml)

Auberge des 3 Fontaines, Chaussée de Wavre 2057, 1160 Auderghem, [www.auberge3fontaines.be/en/](http://www.auberge3fontaines.be/en/)