

Belgian Section of the Combustion Institute - Activity Report

Period: September 2014 – August 2016

- Membership:

The number of members in the Belgian Section of the Combustion Institute remained steady (61 members). Mainly young scientists join the Section as new members, but also more members from industry, which is encouraging.

- Members of the Board:

There were no changes in the Board:

- President: Prof. Bart Merci (Ghent University);
- Vice-President: Prof. Miltiadis Papalexandris (UCL) ;
- Secretary: Prof. Francesco Contino (VUB);
- Treasurer: Prof. Alessandro Parente (ULB);
- Members :
 - o dr. Véronique Dias (UCL);
 - o Prof. Michel Lefebvre (Royal Military Academy).

Elections took place on 19th May 2016. From 1st January 2017, the Board will be:

- President: Prof. Francesco Contino (VUB);
- Vice-President: Prof. Alessandro Parente (ULB);
- Secretary: dr. Véronique Dias (UCL);
- Treasurer: dr. Ivana Stankovic (Ghent University);
- Members :
 - o Prof. Sebastian Verhelst (Ghent University);
 - o Dr. Julien Blondeau (Loborelec).

- Meetings:

The Belgian Section of the Combustion Institute had a General Assembly meeting at AGC (Moustier), specialized at glass production, on 28th May 2015. The meeting was combined with a visit to the plant.

The Belgian Section of the Combustion Institute had a General Assembly meeting at UCL on 19th May 2016, in combination with the ‘24th Journées d’Étude’ (see below).

- Conferences:

The major conference of the Belgian Section of the Combustion Institute is the ‘Journées d’Étude’, the biennial meeting of the Belgian Section of the Combustion Institute.

The 24th edition has been held on 19th and 20th May 2016 in Louvain-la-neuve (hosted by UCL). Two invited lectures were given:

- Ioannis Mantzaras, Paul Scherrer Institute, Switzerland: "Hetero-/homogeneous combustion of low hydrocarbons, syngas and hydrogen, from the fundamentals to power generation applications";
- Philippe Dagaut, CNRS Orléans, France: "Advances in the combustion kinetics of second-generation biofuels".

The 'Award Adolphe Van Tiggelen' 2016 was granted by the jury to Lucio De Fusco (UCL) for his excellent oral presentation and the scientific quality of the work on 'Characterization of Sunflower Husks Fouling in a Drop Tube Furnace: Comparison of Deposits with H₃PO₄, CaCO₃ and Al₂Si₂O₅(OH)₄ Additives'.

In 2016, an additional prize was introduced, namely the "**Industrial Advisory Board Award**", to encourage members of the Belgian Section to highlight the potential added value of their research for the industrial members of the Section, with the long term objective of facilitating collaboration between academic and industrial members. The prize will be awarded biennially, during the "Journées d'Etude", by representatives of the Industrial Advisory Board. All presentations given during this event are eligible for this award. In 2016, it was granted to Ward De Paepe for his excellent oral presentation and the scientific quality of the work on "Experimental Investigation of the Effect of Steam Dilution on the Combustion of Methane for Humidified micro Gas Turbine Applications".

The following conferences were co-organized by the Belgian Section of the Combustion Institute:

- 5th Workshop on Turbulent Spray Combustion, Rhodes (Greece), 7th June 2015.