

Section report of the Dutch Section of the Combustion Institute Period Summer 2014-Summer 2016

Objectives

The Dutch Section of the Combustion Institute is a professional organization promoting contacts and collaboration between the individuals and groups active in research and education on combustion in the Netherlands. It organizes national symposia on combustion and promotes participation of its members in the activities of the international office of the Combustion Institute and the activities of other sections.

Activities within the last 2 years

Continuing a tradition the annual COMBURA symposium has been organized. This symposium is the major annual event in The Netherlands for exchange of information on combustion research and its applications. Its goal is to enhance the mutual collaboration between the different academic and industrial researchers and to interest more industrial parties for the fundamental research on combustion. Until 2014 it was a joint initiative of the Technology Foundation STW, the Nederlandse Vlam Vereniging NVV (Dutch section of the International Flame Research Foundation IFRF) and the Dutch section of the Combustion Institute, with STW taking the lead in all practical arrangements. In 2015 NVV took over the role played previously by STW, but as before the Combustion Institutes participated in the organizing committee and financed the award for the three best posters presented at the symposium.

The 13th COMBURA symposium took place in Soesterberg, the Netherlands, on October 7 and 8, 2014. On the second day keynote lectures were held by dr. Jörg Gigler, director of the TKI Gas, and by Prof. dr. Philip de Goey of TU/e. A special session was devoted to the highlights of the eight research projects within the STW program on Clean Combustion Concepts (CCC). Other sessions were held on 'Liquid fuel combustion', 'Applied combustion' and 'Combustion modeling'.

The 14th COMBURA symposium took place in Soesterberg on October 7 and 8, 2015. On the second day keynote lectures were held by Univ.-Prof. Dr.-Ing. Stefan Pischinger (RWTH Aachen) and by Prof. Dr. Simone Hochgreb (University Cambridge).

In January 2016, an International Combustion Institute Winter School took place at Eindhoven University of Technology from October 29 until November 1, 2013. Three members of the Dutch Section (van Oijen, de Goey and Roekaerts) organized this event. A report on this successful event has already been provided to the Combustion Institute. The program covered laminar and turbulent combustion, theory and experiments, fundamentals and applications. Lecturers were given not only by combustion professionals from the Netherlands but also from abroad: Prof. Andreas Dreizler (Technical University Darmstadt) gave a lecture on advanced laser-based thermometry and Prof. Andreas Kempf (University Duisburg-Essen) gave lectures about large eddy simulation of turbulent combustion and on modeling of coal combustion. The Winter School was organized in collaboration with the JM Burgerscentre Graduate School on Fluid Mechanics and in association with ERCOFTAC.

Officers of the Section

Since November 15, 2011 until present

President: dr. ir. R.J.M. Bastiaans, Eindhoven University of Technology

Secretary: Prof. dr. D.J.E.M. Roekaerts, Delft University of Technology

Treasurer: dr. ir. J.B.W. Kok, University Twente

Details on membership

The membership fee amounts to Euro 10,- per annum or Euro 35,- for a four year period. Currently there are 84 members. Most of the members are affiliated with the combustion groups at the universities of Delft, Eindhoven, Groningen and Twente.

Website of the Section: www.combustioninstitute.nl

Contact information of the board members

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