



Report of the Hungarian Section of the Combustion Institute about the activity in years 2014–2016

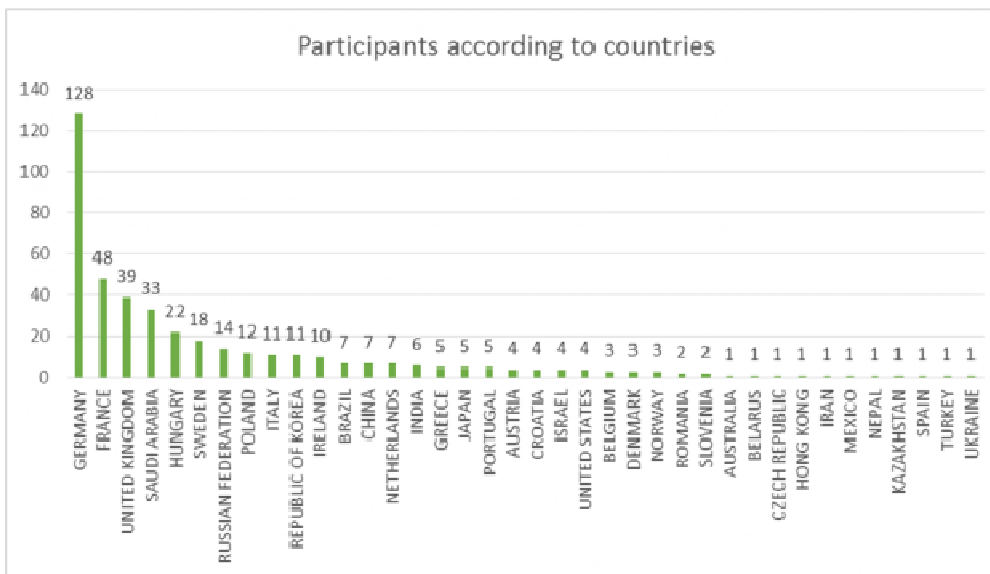
The Hungarian Section has 53 members, including one honorary member, 7 student members and 7 retired persons. Most of the members are working or studying at the Budapest University of Technology and Economics (BME), Eötvös Loránd University (ELTE, Budapest), University of Miskolc, and Research Centre for Natural Sciences of the Hungarian Academy of Sciences (HAS RCNS, Budapest).

For more than five decades, the Hungarian Section worked as a scientific society affiliated to the Section of Chemical Sciences of the Hungarian Academy of Sciences. In 2014, the Hungarian Section was converted to an independent professional association. The Court of Budapest registered the Hungarian Section of the Combustion Institute as a legal entity on 8 May 2014. In 2014, the law regulating the professional associations was changed, and the bye-law of the Section had to be adapted to the new legal requirements. The modified bye-law was accepted on the general assembly of the Hungarian Section on 8 March 2016. The Court of Budapest approved the modified bye-law on 3 June 2016.

The general assembly of the Hungarian Section held on 8 March 2016 elected the leaders of the Hungarian Section for years 2016 – 2020. The new (or re-elected) leaders are Tamás Turányi (head of the section), István Gy. Zsély (secretary), Ákos Bereczky, Sándor Dóbbé, Árpád Bence Palotás (members of the steering committee). The following members of the board of supervision were elected: György Lendvay (head), Wopera Lászlóné and János Tóth (board members).

On May 7, 2015 the regular annual general assembly of the Hungarian Section was linked with a poster conference, where the members presented their new results.

The Hungarian Section hosted the European Combustion Meeting (ECM2015). The Local Organizing Committee of ECM2015 consisted of the steering committee members of the Hungarian Section. Several other members of the Section were also involved in the preparations. ECM2015 was a great success. 428 participants (including 198 students) from 38 countries attended the meeting. The ECM2015 conference was preceded by the 3rd Topical Workshop entitled "Taming uncertainty in combustion chemistry: experiments and models". The topical workshop attracted 143 participants, including 72 students. There were five invited speakers to the ECM2015 and two invited speakers to the workshop. In total, 330 posters were presented on the ECM2015 in 5 poster sessions and 301 six-page proceedings papers were submitted. The share of the participating countries (according to the affiliations) is shown in the figure:



The conference web site (<http://ecm2015.hu>) has been converted to a permanent repository, which contains the slides of the invited lectures, the list of posters, a summary of the topics of the posters, and the *pdf* files of most of the submitted proceedings papers.

In 2015, the Hungarian Section established a Student Prize. BSc and MSc students could apply by submitting a 30- to 70-page report on their research activity in combustion science. 7 applications were submitted, and members of the steering committee scored the reports. In early 2016, 2 golden, 3 silver and 2 bronze prizes were issued, together with a financial reward. The

full texts of the research reports are available on the web site of the Hungarian Section: http://combustioninstitute.hu/dijak.html#TDK_dij_2016 .

Following the tradition of the previous two Austrian–Croatian–Hungarian Combustion Meetings, the Adria-Danube Combustion Meeting (ADCM) was organized. The ADCM conference was hosted by Prof. Dr. Franz Winter (Institute of Chemical Engineering, Vienna University of Technology) and it was held in Wiener Neustadt (Austria) on 7-8 April, 2016. The name of the meeting was changed to show that the participating countries were extended, and now include also the Czech Republic and other countries of the Adriatic Region. The meeting consisted of 5 invited lectures and many poster presentations.

The Hungarian Section is the host of the “COST CM1404 Training School on the analysis, uncertainty quantification, validation, optimization and reduction of detailed combustion mechanisms for practical use of smart energy carriers”, which will be on 4-7 July, 2016. The lectures and practical sessions will be held by 10 trainers; 67 trainees registered for this School. More information is available from the web site of the School: http://garfield.chem.elte.hu/COST_Training_School_2016/ .

The members of the Section receive regular e-mails (about two in a month) about forthcoming scientific events. The web site of the Hungarian Section (<http://combustioninstitute.hu/>) was completely renewed in 2016.

Budapest, 30 June 2016

Tamás Turányi
Head of the Hungarian Section