



Student Association of Energy and the brief history of IYCE

Student Association of Energy

It is a common goal for all the leaders and professionals of companies working in the field of energy, people interested in energy, that the future generation of engineers will possess an overview – both on theoretical and practical level – of the past, present and the probable future of this complex and diversified discipline.

The Student Association of Energy was founded on 17th October, 2002 with the support of the Hungarian Electrotechnical Association (MEE), the Hungarian Scientific Society of Energy Economics (ETE) and the Hungarian Energy Society (MET), and with the cooperation of students of electrical and mechanical engineering. Regarding relations to higher education, the Association is operating on the campus of the Budapest University of Technology and Economics (BUTE), with the support of the Department of Electric Power Engineering, the Department of Energy Engineering and the Institute of Nuclear Techniques.

It is prominently important to facilitate the connection of theoretical and practical knowledge, to improve the communication between industry and universities and to support partnership. These ideas are proposed by the Student Association of Energy.

As a basic activity of our Association is organizing public lectures, panel discussions and technical visits every week in a semester, to provide a chance for all the people interested to acquire knowledge exceeding the curriculum of university and college qualifications, or to get acquainted with the standpoint of experienced and practicing professionals. We facilitate new contacts between students and leading companies in the field of energy. To help other students with the studying we hold consultations, where well prepared members of the Association try to facilitate preparing for the final exams for students.

We help our members to get a more profound knowledge of the discipline of energy engineering and connecting fields, by covering participation costs at conferences, consultations based on personal demands. We organize for our students internal professional courses which offer practical knowledge that is beyond the standard university curriculum, but is essential for future experts of the industry.

In this year we organized the Summer Academy on Energy for the third time. It was held in Budapest, on the campus of the Budapest University of Technology and Economics. There were 26 students from 9 countries. On the Academy the project was to “Plan the Future”, that means to frame the energy strategy of a visionary country according to the lectures, that the attendees could listen. In the evenings participants went to sightseeing tours and enjoyed the colorful nightlife of Budapest.



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To strengthen our international relations, in 2006 we have founded the Hungarian Student Chapter of the Association of Energy Engineers (AEE), an international organization in the field of energy management. As recognition of our work, we received the Best Student Chapter prize for sixth time since then.

The Student Association of Energy was proud to present the establishment of the „IEEE Budapest University of Technology & Economics Joint Student Branch Chapter of the Industry Applications and the Power & Energy Societies” in 2009, that has also been awarded with different prizes several times.

IYCE

The Student Association of Energy has organized the first „International Youth Conference on Energetics” in 2007 to establish a series of conferences celebrated biannually. The first event was supported by international organizations like AEE, CIGRE or ENEN. Such conference, taking aim at young researchers, graduate and PhD students, has not been held in Hungary before. The conference provided an opportunity for young professionals to present their work on international level. It also created an occasion to establish personal contacts between the presenters and the well-known professionals representing actors of the industry and education. On IYCE 2007, which has been held at the campus of the Budapest University of Technology and Economics, participants from over 30 countries of the world have published 132 professional papers.

The goal of the 2nd IYCE in 2009, similarly to the forerunner, was to emphasize the importance and the innovative future of energetics through the work of the next generation. Like in 2007, the ENEN has chosen Budapest and the IYCE to host its PhD symposium. The professional standard of the event was raised by the „Technical Co-sponsorship of the IEEE Industry Application Society”.

Continuing the growing tradition, the 3rd IYCE has been organized, this time in Leiria (Portugal), in cooperation with the local Polytechnic Institute of Leiria (IPL). Beside these presentations, 2 plenary sessions were also held with renowned invited lecturers such as Marko Delimar (IEEE R8 director) and Albert Thumann (AEE Executive Director and Founder). As part of the official program, an IEEE Workshop has also attracted the attention of many participants.

The 4th International Youth Conference on Energy was held in Siófok, a town on the southern side of Lake Balaton, where participants can not only have insightful professional programs, but can also get familiar with the beauties of Balaton. We organized a plenary session with lecturers such as Mark Halpin (Past president of IEEE IAS), Larry Good (AEE Director, International Membership Development) and Sergey A. Boyarkin (Director of Programs, State Corporation "Rosatom"). In addition to the professional events, the social programs with the wellness night and the gala dinner took place on a boat on Lake Balaton.



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At the last conference, entitled "5th International Youth Conference on Energy 2015" moved abroad again, it continued the tradition of the conference series. This time it was in the historic part of Pisa, Italy. During the conference, 180 participants from 35 countries published their work in 18 oral sessions and there was also a poster session same to the previous years. Those, who were interested in post-conference tour could visit the world's first geothermal power plant in Larderello.

Continuing the tradition, the 6th IYCE'17 is going to be held in 2017, which is also the 10th anniversary of the conference series. This time the event comes to Budapest, Hungary again.

In addition to plenary lectures and sessions, as part of the official program there will be workshops, committee meetings supporting by technical co-sponsors (IEEE IAS/PES/DEIS and AEE) to expand the opportunities of international networking life for many participants. The topic of conference is energy from all aspects, completing a number of peripheral areas such as process and chemical engineering or energy policies and energy markets.

Final paper submission starts at 1st January, 2017 and before the paper submission deadline there will be a late abstract submission period, too.