



Report of the first Young welding Professionals International Conference, the YPIC2014



INTERNATIONAL INSTITUTE OF WELDING
A world of joining experience





The first Young welding Professionals International Conference took place in Budapest, Hungary 17th-20th September, 2014. The aim of the conference was to bring together young welding professionals of the world in the fields of welding and related technologies, to review recent achievements in the advancement of knowledge and understanding in these areas, share the latest developments and address the challenges for the present and the future. During the 4 days of the event the participants had the possibility for networking and to change and harmonize their professional ideas. The YPIC2014 was an International Institute of Welding associated event.

Main topics of the conference:

Duplex Steels
High Strength Steels
Resistance Of Welded Joints
 Health Safety
Fatigue
 Robotic Welding
Laser Welding
 Tm Steels
Friction Welding
 Evaluation Of Welded Joints
Orbital Welding
Inspection Of Welded Joints
Advanced Technologies
Quality Systems



The program of the YPIC2014

Day 0

The YPIC2014 began with an evening event, the poster presentation opening session. 13 professional posters were presented by the participants in topics of the conference.

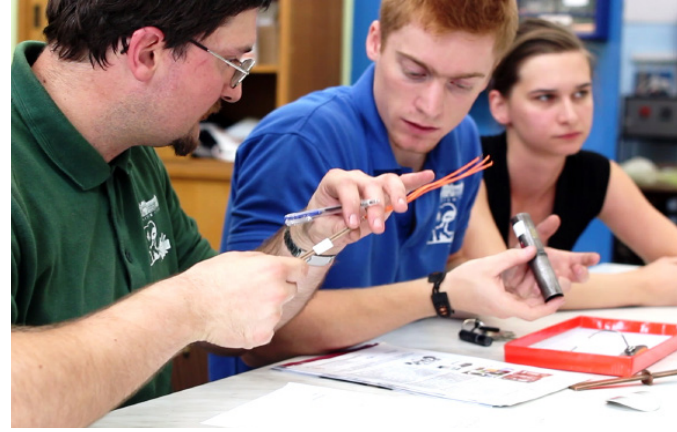
Day 1

During the plenary session, following the welcome words of the vice-dean of the Mechanical Engineering Faculty of the Budapest University of Technology and Economics the chief executive officer of the International Institute of Welding, Dr. Cécile Mayer delivered her presentation about the IIW and about the future plans of the IIW regarding to the young professionals. Following the presentation of Dr. Mayer, Mr. Csaba Kristóf the vice-president of the Hungarian Welding Society summarized the history of welding in Hungary. Finally Levente Bakos the president of the Youth Forum of the Hungarian Welding Society and the main organizer of the YPIC2014 has delivered his welcome speech to the participants.

In the 1st session of the YPIC2014 an invited speaker, Dr. Sándor Domanovszky (one of the first welding engineers of Hungary) hold his outstanding presentation about using TM steels in bridge constructions.

The 2nd and the 3rd session presentations were delivered by young professionals, who were representing 7 countries around the globe in the main topics of the conference.

The day 1 and even the closing event of the day, the welcome reception was held in the main ceremony hall of the Budapest University of Technology and Economics, with a unique panorama on the river Danube and on the capital of Hungary. During the welcome reception the gold sponsoring companies (EWM Hitech Welding GmbH, Carl CLOOS Schweißtechnik GmbH, TÜV Rheinland InterCert Kft., Yaskawa Motoman GmbH.) had the possibility to show their activity for the participants of the conference.



Day 2

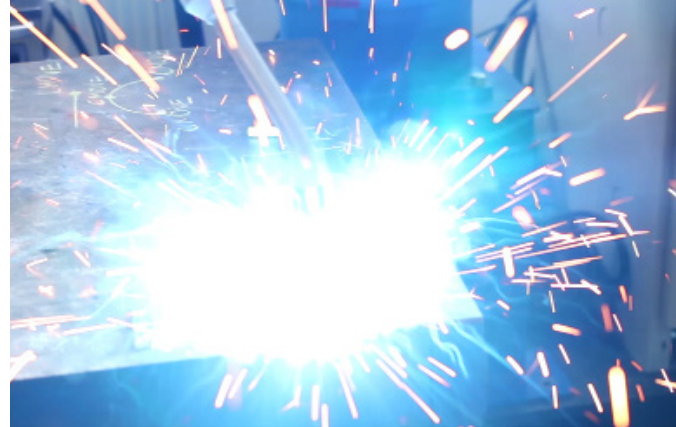
The day 2 started with the 4th session of the conference, at the campus of the Óbuda University. Following the conference sessions 4 sponsoring companies has held the workshop sessions for the participants. The representatives of the workshop holder companies were presenting their tasks to the participants. The participants had to solve tasks about orbital welding (Orbitalum Welding), welding robot manipulation (Yaskawa Motoman), welding shop gas supply system design (Linde GAS), welding parameters planning (EWM), virtual welding (Konkoly Electro).

Day 3

Last but not least the International Welding Competition took place at the Budapest University of Technology and Economics. The competition was designed for university students, young engineers and scientists. The 3 person groups of the competition had to fulfill all the tasks of the 11 competition stations: to solve a theoretical test about orbital welding, find the non-conformities of a welder certification, recognize the micro-structures on photos, calculate the maximum length of a welded joint it could be welded with the amount of a soda water cartridge contained CO2 gas, welding robot manipulating and welding, welding activity game, welded joint recognition, welding machine reparation and welding in PF position with GMAW technology, do a virtual welded joint on a pipe and forging of steel rods.

The diversity of the represented countries, the visit of the IIW CEO and the discussions that took place on the YPIC2014 made the conference very successful, as the feedbacks of the participants show.

We are grateful to all colleagues worked in the organization making the conference successful. Also thanks for the organizations like IIW to support our event.



The event would not have been possible without the sponsorship of the following companies:

Gold sponsors:



Silver sponsor:



Bronze sponsors:

