

**Report on
Annual Meeting of Commission XVII held on
Monday, 12th July and Tuesday, 13th July, 2010
At 2-6 p.m. in Istanbul, Turkey**

Background

The newly established Commission XVII deals with the issues related to Brazing, Diffusion Bonding and Soldering. The second annual meeting of this Commission was held over two afternoons on July 12 and 13 during IIW Annual Assembly in Istanbul, Turkey. These meetings were attended by 20 members from 9 different countries, whereas last year its first meeting, held in Singapore, was attended by only 4 members.

Work Program

The following work program for the commissions was developed during the meetings:

- Ceramic to Ceramic and Ceramic to Metal Brazing.
- Wide Gap Brazing
- Brazing in Microsystems
- Brazing of Intermetallics
- Repair Brazing
- Laser Brazing
- Brazing of Al and Ti-based alloys
- Surface Brazing
- Low temperature brazing
- NDT of Braze and Diffusion Bonded Joints
- Applications of Vacuum Braze and Diffusion Bonded Joints
- Development of New Braze Filler Metals
- Testing Methods of Braze and Diffusion Bonded Joints (i.e. tensile, shear, stress rupture, bending, corrosion and erosion e.t.c)
- Weld/Brazing (for e.g. MIG brazing in use in the automotive industry)
- Diamond and Superabrasive Joining

Presentations

Ten technical presentations dealing with various aspects of brazing and diffusion bonding were made by Dr. Hua-Ping Xiong (2 presentations), Dr. Moller, Professor Teresa Vieira, Ms. Susanne Steur, Lukas Wozarski, Stephen Liu, Mahesh Chaturvedi, Warren Miglietti and Marcus Klemm.

Date of next intermediate meeting:

It was agreed that an attempt will be made to hold an intermediate meeting at Technical University of Dartmund and Professor Tillmann offered to be the host. Mahesh Chaturvedi is likely to attend as Warren may not be able to.

Future Plans:

It was decided that attempt will be made to hold joint meetings with Commission IV on Laser Brazing, and with Commission IX on Behaviour of material subjected to welding, during the Annual Assembly of IIT in India in 2011.

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