

# International Institute of Welding (IIW)

The International Institute of Welding (IIW) was founded in 1948 by the welding institutes or societies of 13 countries that considered it crucial to make more rapid scientific and technical progress possible on a global basis. The IIW membership today comprises welding associations from 53 countries worldwide, with ever more nations continually indicating interest. Some countries have several welding associations or organisations sharing joint membership. The IIW is recognised as the largest worldwide network and centre of reference for welding and allied joining technologies.

It operates as the global body for the science and application of joining technologies, providing a forum for networking and knowledge exchange among scientists, researchers, industry and educators, and disseminating leading-edge information and best practices.

Through the work of its Technical Working Units, the organisation's technical focus encompasses the joining, cutting and surface treatment of metallic and non-metallic materials by such processes as welding, brazing, soldering, thermal cutting, thermal spraying, adhesive bonding, microjoining and additive manufacturing. IIW's work also embraces allied fields including quality assurance, non-destructive testing, standardisation, inspection, health and safety, education, training, qualification, certification, design and fabrication.

The IIW is a standardising body approved by the International Organization for Standardization (ISO) to develop standards in the field of welding and related processes.

The IIW's Technical Database constitutes the world's largest online resource for welding information available today. The most outstanding papers are published in the prestigious journal 'Welding in the World' registered in Thomson Reuters Science Citation Index® since 2009.

The IIW International Education, Training Qualification and Certification Programmes, developed by the International Authorization Board (IAB), for welding personnel and companies are recognised worldwide.



The systems developed for education and training are paving the way towards one global education and qualification system for welding personnel.

The International Authorization Board (IAB) Systems have a three-fold orientation: personnel, companies and the international welding community. The IAB is constantly working to develop the systems it manages: the harmonized qualification and certification system for personnel and the certification system for companies, and adapt them both to technological advances and market needs. The IAB works continuously towards the interests of the international welding community and its development worldwide, via its ANBs (authorised nominated bodies) in what regards the personnel qualification and certification, and via the ANBCCs (authorised nominated bodies for companies certification) in what regards the manufacturers certification according to ISO 3834. By providing certified welding personnel with welding coordination responsibilities and qualified and skilled personnel at all levels, and by developing a harmonized scheme for company certification according to ISO 3834

The IIW Qualification and Certifications Systems, have been developed and implemented worldwide with the main goal of supporting industry needs.

The IIW Members benefit through:

- A collaborative global model of operation enabling technology innovation and transfer
- Globally harmonised education, training, qualification and certification programmes

- Access and contribution to the collective knowledge of IIW including appropriate welding technologies for different economies
- Peer review of technical work and publications
- Advances in work health and safety and environment
- International standardisation
- IIW events and networking worldwide
- Young professionals programme and events

The IIW provides a unique platform to enhance excellence in the fields of welding and

joining sciences and technologies, and promote their worldwide uptake and implementation in industry through education, training, qualification and certification of individuals and companies. It also contributes to the global awareness of environmental and workplace health and safety imperatives, and plays an important role in global standardization.

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