

NEWS

5 YEARS EWF-IIW

page 2

ANBs

Presenting the
Authorised National

Bodies:

Canada

Russia

page 3

INTERNATIONAL EVENTS

EuroJoin 6

Essen Fair

page 3

PROJECTS

EWF in European

Projects:

- Continued

- Vircouns

- Leadout

- Netframe

- Railsafe

- Pro-Knowledge

page 4

www.ewf.be
www.iiw-iis.org

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Editorial

The collaboration between EWF and IIW on the implementation of a harmonised training and qualification system for welding personnel was realised five years ago.

On the turning of a quinquennium an overview of the actions and achievements is appropriate. The "International Training and Qualification System for Welding Personnel" has brought to light a long-term project of IIW and is gathering together all the IIW countries in a common action, for the benefit of the welding community in general. Bit by bit, new countries are entering the System and through it becoming active in IIW. The implementation of harmonised courses increases as well as the sales of diplomas. All this leads to an improved recognition of the value of the IIW training and qualification system by industry and by welding professionals, and it raises visibility and awareness of the role of the organisation that manages it.

This newsletter addresses the major marks of the quinquennium of collaboration between EWF and IIW, the goals achieved and the people involved.

It is time to express a big "thank you" to all those that have made this project come true.

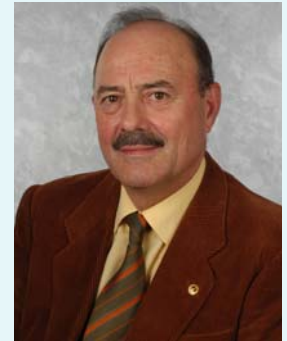
EWF-IAB/IIW Secretariat
Luisa Quintino
Chief Executive



Mr. Bertil Pekkari, past president of IIW, has been appointed by the IIW Board of Directors to the chairmanship of the IAB Board 2005-2007.

EWF President 2005 - 2007

Mr. Germán Hernández Riesco, General Director of Spanish Association of Welding and Joining Technologies - CESOL, was elected EWF President for the period 2005 - 2007



Dear Colleagues, although I have been President Elect of EWF for one year, it is hard to believe that your decision to make me President of this organisation during the next three years has taken place.

When I first joined a meeting of the European Council for Cooperation in Welding, 18 years ago, I could not imagine that I was going to be in the situation I am in this moment. So, I heartily thank all of you for the consideration you have had with CESOL and with myself. For me, obviously, it is a great honour and I hope not to disappoint the confidence you have had in CESOL and in myself.

I hope my expectations as EWF President are the same as those you expect from me. EWF leads the way in international harmonisation in the vast field of welding and their related technologies. Through our hard work we are recognised worldwide and we continue being the source of the most important initiatives. Maintaining this leadership will be my utmost priority.

Activities that presently differentiate EWF from other organisations are:

- Continuous developing of new Guidelines and Special Courses,
- Certification Scheme for Personnel,
- Three Certification Schemes for Companies,
- Establishment of Welder's Passport,
- EUROJOIN - International Conferences,
- Bi-annual Newsletters.

And something also very important not easy to estimate: the experience in managing the International Network of Authorised National Bodies.

This means that EWF contributions will continue to be relevant worldwide and we must try to obtain the highest possible advantages. I hope you agree with my intentions and that I receive your valuable and necessary support.

Thank you again and I hope all of us will have many fruitful and agreeable moments together.

G. Hernandez



EFW - IIW



The International System for training and qualification of welding personnel: 5 years on

1995

EFW and IIW discussions regarding the adoption of the EWF Qualification System by the IIW started in 1995. In 1997 a formal agreement was signed to develop an International Qualification System based on the EWF one.



1999

In 1999 IIW and EWF General Assemblies decided to create a Planning and Implementation Group with the goal to develop the IIW structure that would manage the IIW Qualification System.

2000

Creation of the IAB – International Authorisation Board. Body within IIW structure, which manages the IIW Qualification System

- IAB working groups start to review the EWF Rules and Guidelines
- The First IIW Guidelines are issued, for the following qualification levels: IWE (Engineer), IWT (Technologist), IWS (Specialist) These guidelines were based on the equivalent EWF guidelines
- The IIW Qualification System operation rules are issued, based on the equivalent EWF document
- 22 ANB members of IAB, of which 21 are European, members of EWF, and one is International, China



2001

The IIW Qualification System is formally established .

- The IIW Guideline – IWP - International Welding Practitioner is issued
- Three more non-European countries authorised as ANBs: Australia, Japan, USA.
- A total of 29 ANBs are members of IAB, 25 full ANBs and 4 Applicant ANBs (Russia, Ukraine, Canada and South Africa)

2002

- First revisions of the IIW guidelines IWE, IWT and IWP are issued
- International Welding Inspection Personnel Guideline -IWIP is issued
- IAB page in IIW web site is implemented
- First issue of EWF/IIW Newsletter
- Russia becomes full ANB
- 2 more Applicant ANBs join the network: Bulgaria and Thailand
- A total of 31 ANBs are members of IAB



2003

- The IIW guideline International Welder is issued
- First revision of the IWS guideline is issued
- Ukraine and South Africa are authorised as ANBs. Iran joins the network
- A total of 32 ANBs are members of IAB

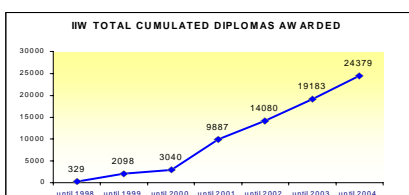
2004

- First revision of the IIW guideline IWIP is issued
- IIW Distance Learning (IWE) Guideline is issued
- An amendment of the IW guideline is issued
- Thailand and Canada are authorised as ANBs
- India, Mexico and Serbia-Montenegro became Applicant ANBs
- 34 ANBs are members of IAB



2005

- Second revisions of the IIW guidelines IWE and IWT are issued
- Third revision of the IIW guideline IW is issued (to merge the IW guideline plus the amendment)
- Second revision of the Rules and OPs document: IAB -001-2000/EFW-416 is issued
- The Harmonised Examination Data Bank is presented, including the Software for the harmonised examination management
- Development of a common Guideline for IWE, IWT, IWS and IWP levels is initiated
- Bulgaria becomes ANB and Singapore joins the network
- 35 ANBs/Countries are members of IAB (25 European and 10 non European)



Total accumulated IIW Diplomas for all qualification levels awarded from 1998 until 2004 is **24.379**



EUROJOIN 6



The 6th European Conference sponsored by the European Federation for Joining, Welding and Cutting (EFW), will be held in Santiago de

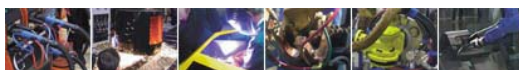
Compostela, Spain, from 28 to 30 June de 2006, combined with the 16th Technical Sessions on Welding convoked bianually by the Spanish Association for Welding and Joining Technologies (CESOL), in collaboration with 'AIMEN Technological Center' and other relevant events related with welding and their technologies. For futher information please visit the webpage



www.cesol.es/EUROJOIN6/16JTS.php

**ESSEN FAIR - Germany
16th World Trade Fair**

The SCHWEISSEN & SCHNEIDEN 2005 exhibition will again set new standards as regards quality and quantity. Co-operation with the German Welding Society will ensure competence and topicality all to do with the subject of welding and cutting. With the Great Welding Conference, a number of special shows and the integration of the QTI - Quality Testing International - and the SBI - Structural Bonding International - all the facets of this branch will be on display and new approaches presented for refining, redefining and organising work processes, setting and observing quality specifications and adopting alternative solutions in working practice.



From 12 to 17 September 2005
www.schweissenuschneiden.de

**Presenting the International Authorised
National Body**
Canadian Welding Bureau

The Canadian Welding Bureau (CWB) was formed in 1947 as a Division of the Canadian Standards Association to administer a certification program for companies involved in the welding of steel structures. In 1991, the Bureau was federally incorporated as an independent, not-for-profit, organization in the private sector, to provide certification and registration services to industry. The CWB is a Division of CWB Group - Industry Services. There are two other Divisions: the Gooderham Centre for Industrial Learning, which provides education and training programs; and QUASAR, which provides registration services.



The primary function of the CWB is to provide certification services in accordance with established standards and other documents. The CWB has over 100 full and part-time employees including engineers, technologists, technicians and field service personnel, and support staff located in Mississauga, Ontario and five other locations in Canada.

While the majority of certified companies are located in Canada, there are certified companies in the U.S, Europe and the Far East, and when certified electrode companies are included, the Bureau has certification and auditing responsibilities in 25 countries apart from Canada. As well as providing the primary task, Bureau staff also participates in national and international welding related standard and code writing activities, educational seminars and the promotion of welding within the engineering community and regulatory authorities.



The CWB received preliminary authorization for IWE, IWT, IWS and IWP in March 2003 and full authorization in July 2004. Since the implementation of the system, the CWB has issued the following diplomas all under transition arrangements: 18 International Welding Engineer, 4 International Welding Technologist and 8 International Welding Specialist. Northern College in Kirkland Lake, Ontario has applied to become an ATB.

IIW qualifications have been actively promoted through the range of media including: national press, technical and trade journals, presentations to Canadian Welding Association Chapter meetings, CWB client workshops, engineer and supervisor forums, leaflets and the CWB website: www.cwbweb.com.



Research - Training Centre "Testing and Diagnostics"
The Russian ANB

Research - Training Center "Testing and diagnostics" was founded in 1992. Since November 1994 RTC "Testing and diagnostics" has been working as non-state non-commercial institution registered by Moscow government. The Center is an experienced NDT personnel certification body accredited in Europe. In 2000 Russian Welding Society authorized RTC "Testing and diagnostics" to be the National Body in order to promote global harmonized system of training, qualification and certification of welding engineers and technicians. Taking into consideration the vast territory of Russia RTC "Testing and diagnostics" as the ANB pays much attention to organization of training centers in regions. At the moment there are two recognized training centers in Moscow (2), St.Petersburg and Tula. Organizations from Samara, Voronezh and Krasnoyarsk are applying for this status at the moment.

Up to this day qualification is conducted in compliance with transition period rules. There is a long live tradition of high level education for welding engineers and technicians so today our welding diplomas are of great value especially for companies working with international business. This international harmonization of our norms and regulations is one of our priorities and growing demand for internationally recognized certification of personnel is also expected.

For detailed information please refer to www.ndt-rus.ru



Mr. A. Mullin
ANB Chief Executive



EWF in *European Projects*



The Continued (Continuing Education of Welding Engineering and Welding Inspection

Personnel) project is now at its final stage of development.

Several workshops have been organized in the partner's countries in order to evaluate, together with the industrial representatives, the content and specifications of the competence profile for the Welding Engineer and the Welding Inspector.

The partners developed the following training materials:

- CD-ROM concerning "Cost Aspects of Welding and Production"**
- Handbook and Power Point presentation (to support the trainers) concerning "Welding Fabrication Standards"**
- Workshop structure and Power Point presentation (to support the trainers) concerning "Developing of Competences for Management Changes using the tool CPS - Creative Problem Solving"**
- System to evaluate the needs for continuing training**
- Procedure for assessment of non technical competences**

More information concerning this project can be obtained from the Project web site page: www.eduweld.com.

VIRCOUNS

Career Counselling in Lifelong Learning using New ICT Approach and Tools

The **VIRCOUNS** is a Leonardo da Vinci Project, aiming at improving the access to continuing vocational training and the lifelong acquisition of skills and competences. The specific aims are to develop, test, evaluate the impact, improve and disseminate New ICT Approach and Tools of the Career Counselling in Lifelong Learning.

Having started in October 2004, it is a 24 months project and involves 10 partners from 7 European Countries: Greece, Austria, Portugal, United Kingdom, Lithuania, Poland and Romania.

The **VIRCOUNS** project has already achieved some important milestones, such as the translation of the project handbook and other manuals in each partner's country native language. The website is already available as well as the discussion forum.



NETFRAME

Establishing a documented framework for on-line concurrent engineering and cooperation between large industrial auto and aeronautical companies and its suppliers

The project is now at its final stage.

After three years of development, the project generated a significant number of outputs, namely:

- **Audit tool for the certification of the capabilities of companies to cope with Customer-to-Manufacturer and Manufacturer-to-Supplier relationships**
- **Benchmarking tool**
- **Self assessment tool revised by test usage for the assessment of technologies and business processes**
- **Course materials**
- **XML and transaction set model implemented in 4 pilot site tests**
- **among others..**

Further information can be found at:

www.netframe.org



The PRO-KNOWLEDGE

Project started in March 2004 aiming at stimulating the participation of SMEs active in the field of joining processes and surface treatment technologies in FP6 activity area.

In order to achieve its objectives of supporting SME participation in FP6 research activities in the selected industrial sectors, the PRO-KNOWLEDGE project partners, coming from Portugal, Germany, Spain, Italy and Slovakia, have been providing in-depth assistance services such as technology audits, mediation for project participation, and best practice dissemination services to SMEs within the participating countries. Until this stage, a total of 194 company visits and 96 technology audits were performed. In parallel, the partnership has been supporting the development of project proposals: 6 STREPS, 15 Co-operative Research Projects, 5 Collective Research Projects and 7 IPs.

For further information: www.pro-knowledge.net

RAILSAFE

A Leonardo da Vinci project aiming at assuring that trained and certified railway track welders are available for railway companies, in order to guarantee the quality



and reliability of the railway tracks and thus reducing accidents and downtime caused by welding problems.

The RAILS SAFE consortium (10 partners from 7 European countries) is currently collecting information about European welders and staff related to railway welding, existing training courses, as well as information about NOT techniques and welding imperfections/defects. The forthcoming activities will be the elaboration of a aluminothermic-welding procedures guideline and the development of a database for railway track welders.



LEADOUT - Low Cost Lead-Free Soldering Technology to Improve Competitiveness of European SMEs,

is one of the largest European funded Projects on

Lead-Free technologies under the scope of 6th Framework SME oriented activities. It is a three year project, kicking-off in October 2004, and the consortium comprises 31 partners from 10 European Countries, 11 Industrial Associations, 16 SMEs and 4 Research Institutes.

The main objective of the project is to provide technical support to a wide range of SMEs spread all over Europe in the development of technological solutions



for real and well defined problems resulting from the replacement of Tin-Lead solders in the electronics industry. The project also covers environmental impact and life cycle evaluation as well as lead free process benchmarking.

The project website is available at the following address:

www.leadoutproject.com