**TECHNICKÉ KOMISE & PRACOVNÍ SKUPINY IIW**

**Commissions**

C-I Additive Manufacturing, Surfacing, and Thermal Cutting

C-II Arc Welding and Filler Metals

C-III Resistance Welding, Solid State Welding and Allied Joining Processes

C-IV Power Beam Processes

C-V Quality Control and Quality Assurance of Welded Products

C-VI Terminology

C-VII Microjoining and Nanojoining

C-VIII Health, Safety and Environment

C-IX Behaviour of Metals Subjected to Welding

C-X Structural Performances of Welded Joints – Fracture Avoidance

C-XI Pressure Vessels, Boilers and Pipelines

C-XII Arc Welding Processes and Production Systems

C-XIII Fatigue Behaviour of Welded Components and Structures

C-XIV Education and Training

C-XV/ Design, Analysis and Fabrication of Welded Structures

C-XVI Polymer Joining and Adhesive Technology

C-XVII Brazing, Soldering and Diffusion Bonding

C-XVIII Quality Management in Welding and Allied Processes

**Sub-Commissions**

C-I-C Surfacing

C-I-E Thermalcutting and Related Processes

C-I-F Additive Manufacturing

C-II-A Metallurgy of Weld Metal

C-II-C Testing and Measurement of Welds

C-II-E Standardization and Classification of Weld Filler Metals

C-III-A Resistance Welding and Allied Processes

C-III-B Friction Based Processes

C-III-WGS Standardization

C-IV-A Laser Beam Processes

C-IV-B Electron Beam Processes

C-IV-C Laser Arc Hybrid Welding

C-V-A Radiographic-based Weld Inspection Techniques

C-V-C Ultrasonic-based Weld Inspection Techniques

C-V-C-a Development of a Methodology to Use FMC and TFM for field Inspections

C-V-C-b Review of the Proposal for IIW to Own the V3 Ultrasonic Calibration Block Design

C-V-D Structural Health Monitoring

C-V-E Weld Inspection Based on Electric, Magnetic and Optical Techniques

C-V-E-a MMM-Techniques

C-V-E-b Revision of ISO 24497 Taking into Account Outstanding ISO and IIW Comments Lead

C-V-F NDT Reliability Including Simulation of NDT Techniques

C-VI-A IIW-Thesaurus

C-IX-WG1 Mathematical Modelling of Weld Phenomena

C-IX-C Creep and Heat Resistant Welds

C-IX-H Weldability of Stainless Steels and Nickel-based Alloys

C-IX-L Low Alloy Steel Welds

C-IX-NF Non-ferrous Materials

C-X-A Welding Residual Stresses in Thick Steel Structures

C-XI-A Correlation of Toughness Data

C-XI-E Transmission Pipelines

C-XI-H Performance of Welds for Hydrogen Service

C-XII-A Sensors and Control

C-XII-B Arc Welding Processes

C-XII-C Production Systems and Applications

C-XII-D Underwater Engineering

C-XII-E Quality and Safety in Welding

C-XIII-WG1 Fatigue Testing and Evaluation of Data for Design

C-XIII-WG2 Techniques for Improving the Fatigue Strength of Welded Components and Structures

C-XIII-WG3 Stress Analysis

C-XIII-WG4 Effects of Weld Imperfections on Fatigue Strength

C-XIII-WG5 Life Extension of Welded Structures by Repair, Retrofitting and Structural Monitoring

C-XIII-WG6 Residual Stress Effects in Fatigue

C-XV-A Analysis

C-XV-B Design

C-XV-C Fabrication

C-XV-D Planar Structures

C-XV-E Tubular Structures

C-XV-F Economy

C-XVII-A Brazing

C-XVII-B Diffusion Bonding

C-XVII-C Soldering

JWG XIII-XV Joint Working Group

**Study Group (SG)**

SG-212 The Physics of Welding

**BOARD/Board of Directors**

TMB Technical Management Board

WG-RA Working Group Regional Activities

WG-STAND Standardization

TG-YL Young Leaders

**TMB/Technical Management Board**

SG-RES Welding Research Strategy and Collaboration

WiW EdBoard Editorial Board for Welding in the World

CHAIRWU Chairs of Working Units

**International Authorization Board**

**IAB Groups**

IAB-Board Board of IAB

IAB-GroupA Education, Training and Qualification

IAB-GroupB Implementation, Authorization

IAB-MM IAB Members Meeting