Meeting: 202307 Annual Assembly **Tags:** Notes; Proceedings; Standardisation document

Commission XVI - Polymer Joining and Adhesive Technology

Agenda Annual Assembly 2026

XVI-1115-26

Author: Sergio Amancio

Comments: July 15, Salzburg, Austria – Room "Trapp"

1. Agenda

IIW 2026 Annual Assembly, Salzburg, Austria - C-XVI's Meeting - Room "Trapp "				
Date	**Time**	**Presentation**	**Speaker**	**Title**
15.07.2026 (morning session)	**8:30-8:45**	Administrative Meeting (commission leadership and delegates)		
	8:45-9:15	XVI-1102-26	**Carlos H. C. Saunders**	Fast Setup Thermal Simulation for Large Scale Additive Manufacturing
	9:15-9:45	XVI-1108-26	**Gean Marcatto**	Mechanical Properties of PPS-CF/Ti6Al4V Hybrid Joints Produced via Additive Manufacturing for Aerospace Applications
	9:45-10:15	XVI-1114-26	**Maksym Iurzhenko**	Development of Cryogel-based materials for 3D printing of biomedical structures
	10:15-10:45	Coffee Break		
	10:45-11:15	XVI-1115-26	**Sergio Amancio**	Friction-based spot welding and joining of thermoplastics and hybrid structures
	11:15-11:45	XVI-1111-26	**Stefan Novotný**	Experimental Study of Metal–Composite Joint Formation Using Thermal Drilling Technology
	11:45-12:15	XVI-1103-26	**Awais Awan**	Wood-polymer joints produced via ultrasonic energy: Effect of hygrothermal aging on mechanical properties
	12.15-12:30	IIW management and Welding in the World Editor-in-chief presentations		
15.07.2026 (afternoon session)	**13:45 - 14:15**	XVI-1112-26	**André Hüllmann**	Thermo-Rheological Effects in Heat Tool Butt Welding of Thick-Walled Polyethylene: Experimental and Numerical Insights
	14:15-14:45	XVI-1104-26	**Philip Gätjen**	Direct screw connections in injection-molded thermosets: Influence of screw-in parameters on fatigue strength
	14:45-15:15	XVI-1109-26	**Paul L. Völklein**	Influence of Infrared Heating Control on the Stamp Riveting of Continuous Fibre-Reinforced Thermoplastics on Metal Sheets
	15:15-15:45	XVI-1106-26	**Matteo Pedemonte**	Sustainability in adhesive bonding: use of thermos-expandible particles for enhanced disbanding.
	15:45-16:15	Coffee Break		
	16:15-16:45	XVI-1107-26	**Ana Queirós**	Advancing Sustainability in Adhesive Joining: The ICARUS Approach to Green Skills in Vocational Education
	16:45-17:15	XVI-1105-26	**Tianxiang Zheng**	Composite Adhesive for Joining Ultra-Long SiC Ceramic Tubes: Microstructure and Bonding Mechanism
	17:15-17:45	XVI-1110-26	**Hailang Wan**	Laser-induced multiscale surface structuring of titanium bipolar plates for interface strengthening in adhesive sealing
	17:45-18:00	Administrative Meeting (commission leadership and delegates)		

2. Commission leadership

Commission XVI — Polymer Joining and Adhesive Technology			
Chair	Sergio AMANCIO	Austria	sergio.amancio@tugraz.at
Vice Chairs	Klaus SCHRICKER	Germany	klaus.schricker@b-tu.de

3. Terms of Reference

The Commission

Commission XVI is a Working Unit which focuses on the areas of polymer joining and adhesive technology. Both of these fields are dedicated to series production which necessitates high automation levels. It provides an interesting forum for high-level discussions among the world´s leading scientists, who represent the very small scientific communities involved in these spheres of materials joining. Developments over the past years have increased the importance of polymer joining and adhesive technology with modern hybrid materials and fibre-reinforced plastics. The Polymer and Joining and Adhesives Technology Commission promotes the development and dissemination of fundamental and applied knowledge to joining of polymers, additive manufacturing, adhesives as well as joining of dissimilar materials to polymers. Deliverables include state-of-the-art papers for publication in Welding in the World that address o new scientific and technological solutions, o best practice Globally Relevant International Standards o new joining technologies o joining of hybrid systems o additive manufacturing.

Commissions Webpage: https://iiwelding.org/iiw-working-groups/iiw-c-xvi/

4. List of Delegates (2026)

Delegate Name	Country
	AUSTRALIA
Sergio AMANCIO	AUSTRIA
-	BELGIUM
-	CANADA
Zhiwu XU	CHINA
-	CROATIA
-	CZECH REPUBLIC
-	DENMARK
Susanna HURME	FINLAND
-	FRANCE
Volker SCHOPPNER	GERMANY
-	HUNGARY
-	INDIA
Matteo PEDEMONTE	ITALY
Tetsusei KURASHIKI	JAPAN
-	PORTUGAL
Su jin LEE	REPUBLIC OF KOREA
Marius COCARD	ROMANIA
	SERBIA

Milan MARONEK	SLOVAKIA
Damjan KLOBCAR	SLOVENIA
-	SPAIN
Marie ALLVAR	SWEDEN
Paolo MATARRESE	SWITZERLAND
-	THAILAND
-	THE NETHERLANDS
-	TURKEY
Maksym IURZHENKO	UKRAINE
-	UK
Miranda MARCUS	USA