

IIW

**Commission XVI - Polymer Joining
and Adhesive Technology**

Annual Assembly 22-27 juni, Genua

IIW 2025 Annual Assembly - C-XVI's Meeting - Room "Ponente"				
Date	Time	Presentation	Speaker	Title
June 23, 2025	8:30-8:45	Administrative Meeting (commission leadership and delegates)		
	8:45-9:15	XVI-1115-25	Fabian Friedrich	Optimisation of the joining strategy and residual stress considerations for heated tool welding of polyethylene with high wall thicknesses
	9:15-9:45	XVI-1103-25	You Wu	Optimization of resistance welded joints in thermoplastic composite by the synergy of ultrasonic and carbon fiber heating elements
	9:45-10:15	XVI-1109-25	Su Jin Lee	Laser direct joining and cutting process for engineering plastic of environmentally friendly vehicles
	10:15-10:45	Break		
	10:45-11:15	XVI-1114-25	Yayun Liu	Effect of PC Thickness and Welding Parameters on the Strength of Dual-wavelength Laser Welding
	11:15-11:45	XVI-1112-25	Klaus Schricker	Thermal efficiency of laser-based polymer-metal joining
	11:45-12:15	XVI-1104-25	Awais Awan	Ultrasonic joining of carbon fiber reinforced polyamide with beech wood: Process Optimization and Interface Characterization
	12:15-12:30	Administrative Meeting (commission leadership and delegates)		

June 24, 2025	8:30-8:45	Administrative Meeting (commission leadership and delegates)		
	8:45-9:15	XVI-1107-25	Holger Seidlitz	Load adjusted joining technologies for multi-material constructions with thermoplastic composites and metals – TAF
	9:15-9:45	XVI-1116-25	Sergio Amancio	Recent Developments in Additive Manufacturing of Metal-Polymer Hybrid Structures
	9:45-10:15	XVI-1106-25	Gean Marcatto	AddJoining of Beech Wood and Carbon Fiber-Reinforced Polyamide: Effects of Water Uptake on Interfacial Adhesion and Mechanical Strength
	10:15-10:45	Break		
	10:45-11:15	XVI-1110-25	Muzaffar Chumroo	Direct joining of 3D-printed continuous fibre-reinforced composites to Aluminium alloys; effect of SLM surface morphologies on adhesion
	11:15-11:45	XVI-1113-25	Maksym Iurzhenko	Materials and technologies for adaptive additive manufacturing of plastic products
	11.45-12:15	IIW management and Welding in the World Editor-in-chief presentations		

June 25, 2025	8:30-8:45	Administrative Meeting (commission leadership and delegates)		
	8:45-9:15	XVI-1108-25	Janos Lukács	Effect of hydrogen blending into natural gas on the polymer structural elements of the gas distribution networks
	9:15-9:45	XVI-1111-25	Pedro Catarino	Promoting the Certification of Adhesive Bonding Professionals
	9:45-10:15	XVI-1102-25	Matteo Pedemonte	Fracture energy of adhesive bonded joint
	10:15-10:45	Break		
	10:45-11:45	Technical discussion on standardisation	Matteo Pedemonte	Development of a new scheme for the adhesive classification: final results
	11:45-12:15	Closing Administrative Meeting (commission leadership and delegates)		