

# C-XVI Polymer Joining and Adhesive Technology

## XVI-1006-19

### Preliminary Agenda for the Meeting of Commission XVI

72<sup>nd</sup> IIW Annual Assembly and International Conference 2019  
Bratislava, 7-12 July 2019

Author: D. Grewell (Chairman)

Monday 8 July 2019, 14:15 – 18:05			
1.	14:15	14:55	Opening and welcome by the chairman
2.			Registration of delegates, experts and observers
3.			Approval of the Agenda (Doc. XVI-1006-19)
4.			Approval of the Meeting Minutes (Doc. XVI-1021-19) from Bali 2018
5.			Presentation of papers ( <b>Adhesives</b> )
5.1	14:55	15:35	<b>XVI-1001-19</b> "Study of Tube and Tank Specimens Repaired Using a Carbon Fiber Reinforced Epoxy" Darko Frank, Alveus D.o.o, Croatia
			<b>(Laser welding)</b>
5.2.	15:35	16:15	<b>XVI-1002-19</b> "Modelling and simulation of absorber-free laser welding of transparent polymers" Phong Nguyen, Fraunhofer Institute, Germany
5.3.	15:45	TBD	Cécile and the IIW President Attendance recognition Milan MARONEK 11 years David Grewell IIW presentation
	16:15	16:45	<b>Coffee Break</b> <b>(Laser welding continued)</b>
5.3.	16:45	17:25	<b>XVI-1003-19</b> "Prediction of the bond strength of thermoplastics welded by laser transmission welding" Hopmann, Ch.; Boole S, Institut für Kunststoffverarbeitung (IKV), Germany
5.4.	17:25	18:05	<b>XVI-1010-19</b> "Influence of structure characteristics on the joint strength of plastic-metal-hybrid joints" Kira van der Straeten, Fraunhofer Institute for Laser Technology ILT, Germany
5.5.	18:05	18:45	<b>XVI-1012-10</b> "Process monitoring of laser-assisted metal-polymer joining using integrated fiber optical sensors" Klaus Schrickler, Technische Universität Ilmenau, Germany



**Tuesday 9 July 2019, 08:15 – 12:30, Thermoplastic Industrial Welding Processes**

5.6.	08:15	08:55	<b>XVI-1004-19</b> "Effect of Insufficient Homogenization During the Extrusion of Polyethylene Pipes on Butt Fusion Joint Integrity" Changyi Yu, The Welding Institute, UK
5.7.	08:55	09:35	<b>XVI-1005-19</b> "Vibration welding of components with angled areas in the direction of vibration" Sascha Vogtschmidt, UNI-Paderborn, Germany
5.8.	09:35	10:15	<b>XVI-1006-19</b> "The influence of oxidising and inert gases on the weld seam quality in hot gas welding" Max Bialaschik, Kunststofftechnik Paderborn, Germany
	10:15	10:45	<b>Coffee Break</b>
5.9.	10:45	11:25	<b>XVI-1007-19</b> "Modelling of Ultrasonics welding" David Grewell from North Dakota State University, USA

**Wednesday 10 July 2019, 14:15 – 16:15**

5.10.	14:15	14:55	<b>XVI-1008-18</b> "Structural studies of the welded joints and hypothesis of the welding mechanism of plastics" Maksym Iurzhenko, E.O.Paton Electric Welding Institute of the NAS of Ukraine, Ukraine
5.11.	14:55	15:35	<b>XVI-1009-19</b> "Vibration welding of natural polymers" David Grewell from North Dakota State University, USA
5.12.	15:35	16:15	<b>XVI-10012-19</b> "Refill Friction Stir Spot Welding of Polyamide 6: Influence of process parameters on structure and mechanical properties" S.T. Amancio-Filho, Graz University of Technology, Austria
6.			Election announcement
7.			Resolutions and Decisions
8.			Call for Papers for the 73 <sup>rd</sup> Annual Assembly (Doc. XVI-1020-20)
9.	16:30		Closing by the chairman

