



## Commission XVI – Polymer Joining and Adhesive Technology

XVI-1006-  
2022

Preliminary Agenda for the Meeting of Commission XVI  
75<sup>th</sup> International Institute of Welding Annual Assembly  
Tokyo Japan  
July 19-20, 2022  
**Concerto (ZOOM)**

Author: D. Grewell (Chairman)

Tuesday, July 19<sup>th</sup>, 2021, 8:00 – 12:10 (6:00 pm-10:10 pm CT (July 18<sup>th</sup>))

1. Opening and welcome by the chairman and approval of minutes and agenda  
8:00 – 8:10

2. Papers

### **(Hybrid Welding) -30 min each**

2.1. XVI-1001-22: "Recent advances in the ultrasonic joining process of additively manufactured metal-composite hybrid structures", by William Carvalho, Institute of Materials Science, Joining and Forming (online)

8:10 – 8:40

2.2. XVI-1002-22 "Process parameter transfer from small to large component geometries in quasi-simultaneous welding of thermoplastics" by Theresa Arndt, University of Paderborn (online)

8:40 – 9:10

2.3. XVI-1003-22: "Atmospheric plasma surface treatments for bonding glass to aluminum substrate with polyurethane adhesive", Matteo Pedemonte, IIS Italian Institute of Welding (F2F)

9:10 – 9:40

2.4. XVI-1004-22 "The short- and long-term properties of welded high-temperature-resistant thermoplastics", by Sascha Vogtschmidt, University of Paderborn (online)

9:40 – 10:10

2.5. XVI-1005-22 "Characterization of additively manufactured plastic components for direct screwing", by Christian Held University of Paderborn (F2F)



10:10 – 10:40

- 2.6. XVI-1006-22: “Joining of Dissimilar Polymers via Viscosity Matching”, By  
Miranda Marcus, WEI (F2F) 10:40 – 11:10
- 2.7 XVI-1007-22 “Adhesives in Hydrogen Production: Behavior of Adhesives in strong  
alkaline environments”, by Christoph Beier, RWTH Aachen University (F2F)  
11:10 – 11:40
- 3.0 WitW- Prof. Dr.-Ing. Thomas Boellinghaus 11:40 – 11:50
- 4.0 XVI Business meeting 11:50 – 12:10