



Commission XVI – Polymer Joining and Adhesive Technology

XVI-1006-
2023

Preliminary Agenda for the Meeting of Commission XVI
76th International Institute of Welding Annual Assembly
Singapore
July 16-20, 2023

Author: Dr. D. Grewell (Chairman)

Tuesday, July 18th, 2023, 14:00 – 18:00

1. Opening and welcome by the moderator (Dr. S. Amancio)
 - a. Approval of minutes and agenda
 - b. Vote on 2024 Chair and Vice-Chair (Executed by IIW Secretariat)

14:00 – 14:10

2. Papers

30 min each

- 2.1. XVI-1001-23: "Optimization of additively manufactured plastic components for direct screwing", by Elmer Moritzer, University of Paderborn
14:10 – 14:40
- 2.2. XVI-1002-23 "Mechanical and optical evaluation of the effects of different heating strategies on the joining partners during infrared welding of black polyamides " by Karina Gevers, University of Paderborn
14:40 – 15:10
- 2.3. XVI-1003-23 "Optimization of ultrasonic joining parameters of additively-manufactured Ti-6Al-4V and 20% short-carbon-fiber reinforced PEEK hybrid joints", Willian Carvolho, Graz University of Technology
15:10 – 15:40
- 2.4 XVI-1004-23 "Anvil-free ultrasonic welding for welding situations with one-sided access", by Theresa Arndt, University of Paderborn
15:40 – 16:10
- 2.5 XVI-1005-23 "Behaviour of Adhesives in strong alkaline environments for the use in hydrogen production", by Maximilian Heym, RWTH Aachen



16:10 – 16:40

- 2.6. XVI-1006-23: “Feasibility analysis for the application of conductive tracks on textiles by means of laser radiation”, By Friederike Brackman, Fraunhofer-Institut für Lasertechnik ILT

16:40 – 17:10

- 2.7 XVI-1007-23 “Development of a laser-based metal-polymer joint with prescribed opening forces”, by Christoph Wortmann, Fraunhofer-Institut für Lasertechnik ILT

17:10 – 17:40

- 3.0 Elisabetta Sciacaluga Luca Costa

17:40 – 17:50

- 4.0 XVI Business meeting
Approve papers for publication in WiTW

17:50 – 18:10