

Conference Program at a glance

Tuesday, February 14, 2023

The Westin Grand Hotel Munich
Event Room: Garmisch-Partenkirchen


in-adhesives


Symposium on Innovations in
Adhesives and their Applications


20.01.2023

08:50 WELCOME & INTRODUCTION

09:00 WELCOME BY CHAIR: Sven Wiemer; Schill+Seilacher "Struktol" GmbH


09:00  Dr. Raphael Schaller; nolax AG
Reliable Bond on Snow – Strong Interlaminar Adhesion in Skis

09:25  Tobias Hilse; University of Braunschweig / Institute of Joining and Welding
Rapid Bonding of Wooden Modules for Ceiling Constructions

09:50  Dr. Belinda Berns; SME (subject matter expert) Optical Bonding
Optical Bonding - A Whole New Industry – Challenges & Defects

10:15 - 10:45 REFRESHMENT BREAK

10:45  Tom Claessen; Avantium Renewable Polymers
Bio-Refinery Derived Furanic Humins as Basis for Sustainable Thermosets and Adhesives

11:10  Tom Berckmans; Cardolite Specialty Chemicals Europe N.V.
Cashew Nutshell Liquid-Based Epoxy Resins: Renewable Options for Epoxy Adhesives and Sealants


11:35  Nick Dewingaerden; Kaneka Belgium
New Advancements in the Field of MS Polymer for High Strength / High Elongation Adhesives Applications

12:00 - 13:30 LUNCH

13:30 WELCOME BY CHAIR: Dr. Vera Haye; IVK - German Adhesives Association


13:30  Therese Hemery, PhD; Dymax Europe GmbH
Dymax UV Technology for Precision Bonding and Optical Assembly in Automotive Applications

13:55  Peter Kraushofer & Jean-Francois Chartrel; Bostik
Cyanoacrylate Adhesives - Opening New Perspectives in Assembly with Instant Adhesives Precision Dispensing


14:20  Tobias Bodenmüller; medmix Switzerland AG
Sustainability in the Digital Development Process

14:45  Patrik Thoma; fitech AG
Process Comparison of Viscous Adhesive and Sealant Production

15:15 - 15:45 REFRESHMENT BREAK

15:45  Hinrich Grefe; University of Braunschweig / Institute of Joining and Welding
Structural Monitoring of Adhesively Strengthened Steel Structures with Distributed Fibreoptic Sensors

16:10  Marco Rodriguez; as adhesive solutions e.K.
The Digital Monitoring of Bonding Process Parameters

16:35  Ivo Neumann; Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM
Adhesive Bonding 4.0: Implementation of Unifies Communication Standard in the Adhesive Bonding Production

18:30 NETWORKING DINNER

Conference Program at a glance

Wednesday, February 15, 2023


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in-adhesives

Symposium on Innovations in
Adhesives and their Applications

20.01.2023

08:30 WELCOME BY CHAIR: Elisabeth Stammen; University of Braunschweig

08:30  Univ.-Prof. Dr.-Ing. Paul Ludwig Geiß
RPTU University of Kaiserslautern-Landau, Workgroup Materials and Surface Technologies
Quality Assurance of Surfaces Prior to Adhesive Bonding


08:55  Klaus Kresser; Plasmatreat Schweiz AG
Openair® Plasma Technology for Wetting Sealing and Bonding in Battery Applications


09:20  **Dr. Martin Brandtner-Hafner; Fracture Analytics**
Gap Filling Efficiency of Adhesive Sealants

09:45 - 10:15 REFRESHMENT BREAK

10:15  Tobias Illi; Sika Technology AG
SikaPower-800 – Fast Curing and Injectable Epoxy Adhesive


10:40  Dr. Davide Malinverno; ELANTAS Europe
New Developments of Epoxy Adhesives


11:05  Sven Wiemer; Schill+Seilacher "Struktol" GmbH
Biobased Toughness

11:30  Prof. Martín-Martínez; University of Alicante
Physical Mixing of Waterborne Polyurethane and Nanosilica Dispersion.
Is it a Feasible Strategy for Improving the Properties of Waterborne Polyurethane Adhesives?

12:00 - 13:30 LUNCH

13:30 WELCOME BY CHAIR: Univ.-Prof. Dr.-Ing. Paul Ludwig Geiß; RPTU University of Kaiserslautern-Landau

13:30  Dr. Matthias Koebel; Siloxene AG
Controlling Adhesion at the Molecular Level – New Multifunctional Dendrimer Silane Additives and Resins for Functional Adhesives

13:55  Dr. Vincent Lutz; nolax AG
Non-Isocyanate Polyurethanes (NIPUs): A Promising Pathway Towards Sustainable and Environmentally Friendly Adhesives

14:20  Luigi Mora; Vinavil SpA
Sustainable Development in Adhesives: Design of New Monomers and Formulations, Management of Wastes

14:45  Dr. Hartmut Henneken; Jowat SE
Recycling Adhesives – A Technological Oxymoron?

15:15 FAREWELL