

in-adhesives

Symposium on Innovations in
Adhesives and their Applications

Conference Program at a glance **Day 2** Tuesday June 8, 2021

08:30 OPENING ZOOM PLATFORM AND IT-CHECK

09:00 Welcome by Chair:

09:00 M&M NETWORK-ING; DR. MICHAEL A. KRAUS
Constitutive Modelling with Physics-informed Machine and Deep Learning - A Case Study with TSSA Adhesives

09:25 Q&A

09:30 Dr. Ing. h. c. F. PORSCHE AG; DR. FRANK BURBULLA
Modelling of Adhesively Bonded Joints in CAE-Models at Porsche – The Future Challenges

09:55 Q&A

10:00 SIKA SERVICES AG ; DR. CLAUDIO DI FRATTA
New Adhesive Solutions for Designing and Bonding Composite Structures in Commercial Transportation

10:25 Q&A

10:30 TU BRAUNSCHWEIG / INSTITUTE OF JOINING AND WELDING; NIKLAS GÜNTHER
Consideration of Process-Related Adhesive Damage in Computational Structural Simulations

10:55 Q&A

11:00 TOTAL CRAY VALLEY; OLIVIER DEFRAIN
Resorcinol and Formaldehyde Free Coating Treatment Based on Functionalized Polybutadiene

11:25 Q&A

11:30 – 14:00 NETWORKING

14:00 Welcome by Chair:

14:00 OST - EASTERN SWITZERLAND UNIVERSITY OF APPLIED SCIENCE; DR. ARNO MAURER
Lifetime Assessment of Functional Polymers used in Electronic Packaging

14:25 Q&A

14:30 UNIVERSITY OF FREIBURG / IMTEK; ANAS HALLAK
Assessment of High-Temperature Reliability of Adhesion Promoter for Self-Healing Mechanisms in Thermoplastic, Media-Tight Injection Molded Housings

14:55 Q&A

15:00 JOWAT ADHESIVES; DR. HARTMUT HENNEKEN
Novel Hotmelt Adhesives for Optimized Photovoltaics Wafer Production Processes

15:25 Q&A

15:30 SKZ-GERMAN PLASTICS CENTER; HEINRICH LEICHT
Enhancing the Electrical Conductivity of Flexible Adhesives Using Nanocarbons

15:55 Q&A