



10th Afera Technical Seminar

17-19 April 2023, Brussels Marriott Hotel, Belgium

PROGRAMME

MONDAY APRIL 17, 2023

- 11.30 – 13.00 **BUFFET LUNCH**
- SESSION 1** **13.00 – 16.00 TAPES – NEW PERSPECTIVES (Part 1)**
Session Chairman: Reinhard Storbeck, tesa and Afera TC Chair
- 13.00 – 13.10 **Opening Afera Technical Seminar**
Reinhard Storbeck – tesa SE and Afera TC Chair
- 13.10 – 13.50 **Identification of Technical Development Partners for Demanding Technical Problems – Network of 20000 Universities**
Prof. Sigvald Harryson - Founder and CEO iKNOW-WHO, Professor of Disruptive Innovation
- 13.50 – 14.15 **Water-based Pressure Sensitive Adhesives for Biomedical Applications**
Prof. Dr. Marleen Kamperman – Professor of Polymer Science, Zernike Institute for Advanced Materials - University of Groningen
- 14.15 – 14.45 **Potential of Thermoplastic Polyurethanes as PSAs**
Prof. Jose Miguel Martin-Martinez – University of Alicante
- 14.45 – 15.05 **Break**
- 15.05 – 15.30 **Ultra-high Cohesion SB PSA for High Performance Tape Applications**
Stuart Duncan - Bostik
- 15.30 - 16.00 **Predicting Performance Loss of Adhesives in Extreme Environments using Informed Machine-Learned Tools**
Roozbeh Dargazany, PhD - Associate Professor - High Performance Material Group Department of Civil & Environmental Engineering - Michigan State University
- 16.00 - 16.25 **Odour Profile of Some Samples of Hotmelt Adhesives**
Rita Ribau Domingues – Olfasense
- 16.25 – 16.50 **Panel discussion**
- 18.00 – 19.30 **WELCOME COCKTAIL**
- 19.30 **Free Evening**



TUESDAY APRIL 18, 2023

SESSION 2

09.00 – 11.30 TAPE CHEMISTRY AND SIMULATION (Part 2)

Session Chairman: Ian Grace – Independent, Afera TC and SC

09.00 – 09.30

Debonding on Demand – Technology Survey about PSA Tapes related Technologies and latest insights of IFAM research results

Dr. Matthias Popp – IFAM Bremen

09.30 – 10.00

Debonding Mechanisms of PSA Foam Tapes

Prof. Matteo Ciccotti, ESPCI Paris PSL

10.00 – 10.25

Testing of Foam for Flexographic Printing Tape Applications

Lukas Berger – Sekisui Alveo

10.25 – 10.55

Break

10.55 – 11.20

Bio-based Tackifier Resins for Boosting Acrylic PSA Performance

Danny Beekman - DRT

11.20 – 11.45

Low VOC, Water-based PSAs for High Performance Automotive Tapes

Kristin Schöne - Synthomer

11.45 – 12.10

Towards Environmental-Friendly Silicone Pressure Sensitive Adhesives

Deana Dujardin – Dow

12.10 – 12.35

New polymer design for pushing the boundaries for tapes” within the section “Tapes – New perspective

Philipp Ernst - Henkel

12.35 – 13.00

Panel discussion

13.00 – 14.00

Lunch

SESSION 3

14.00 – 18.00 TAPES AND SUSTAINABILITY

Session Chairman: Martijn Verhagen – Lohmann GmbH

14.00 – 14.25

Sustainability in the adhesive tape industry: regulatory developments and AFSP

Pablo Englebienne – Afera Regulatory Affairs Manager

14.25 – 14.50

Material traceability – How digital technologies can help verify sustainability data

Brian Smits - Circularise

14.50 - 15.15

Sustainable Natural Rubber – Transparency in the Supply Chain

Hans Evers – Weber & Schaer GmbH & Co.KG



- 15.15 - 15.45 **BREAK**
- 15.45 – 16.05 **Waste Reduction vs. Recycled Waste**
Luca Micci – Erga Tapes
- 16.05 - 16.30 **Setting Standards to Decarbonize the Chemical Industry**
Alessandro Pistillo – BASF SE
- 16.30 – 16.55 **Towards Carbon Neutrality: Biobased PSA Combining Performance and Sustainability**
Ilaria Lombardi – ICAP SIRA
- 16.55 – 17.20 **Panel Discussion**
- 19.00 Gathering lobby hotel
Conference Dinner

WEDNESDAY APRIL 19, 2023

- SESSION 4** **09.00 – 12.30 PRODUCTION TECHNOLOGIES AND REGULATIONS**
Session Chairman: Michel Sabo, Nitto
- 09.00 – 09.25 **Additive Manufacturing in Plant and Machine Construction**
Steffen Lambertz – JHT Jakobs-Houben-Technologie GmbH
- 09.25 – 09.50 **Coating Process Digitalization Opportunities Created by Absolute In-Process Coating Thickness Measurement Data**
Matthias May - SpecMetrix Systems Technical Manager at Dyetra.de
- 09.50 – 10.15 **Microparticle Restriction & Polymer Registration**
Dr. Martin Klatt – BASF Executive Specialist Regulatory Affairs
- 10.15 – 10.45 **Break**
- 10.45 – 11.10 **Tapes and Sustainable Building Blocks**
Reinhard Storbeck – tesa SE
- 11.10 - 11.35 **How to Quantify the First Contact? PSA Interaction with Surfaces**
Christian Brinkmann – tesa SE
- 11.35 – 12.00 **Panel Discussion**
- 12.00 – 12.15 **Wrap-up/closing Seminar Chairman Reinhard Storbeck**
- 12.15 – 13.30 Lunch