

Program • PTS Coating Symposium 2025

DAY 1 • September 22

1:00 p.m.	Opening	Dr. Martin Zahel, Dr. Annika Eisenschmidt, Ina Greiffenberg
1:15	Keynote: Plastic dreams in paper? What fits everything rarely fits well.	Prof. Jens-Peter Majschak – Fraunhofer IVV
2:00	Requirements for functional surfaces on fiber-based material for dairy products	Gwendal Prigent – Danone Global Research & Innovation Center
2:30	Fibre-based products: made for recycling?	Jonathan Scheck – Interzero Recycling Alliance GmbH
3:00	Coffee Break	
3:30	The Paper Revolution – Highly Effective Barriers Against Water – Yet Still Recyclable?	Dr. Johannes Zipfel – DELSCI GmbH
4:00	Technical Innovations in Fibre-Based Packaging: Addressing Sealing and Recyclability Challenges	Annika Sundell – Walki Group
4:30	Exhibitor Pitches	
5:30	City Tour	
7:00	Exhibitor Evening & Get Together	
8:00	Overview and Development Outlook of China's Pulp and Paper Industry	Chao Tian – China National Pulp and Paper Research Institute (CNPPRI) & China Paper Society

DAY 2 • September 23

9:00 a.m.	Welcome Speech	Dr. Martin Zahel, Prof. Frank Miletzky
9:15	Geopolymer-based coating	Dr. Andreas Geißler – PTS – Institut für Fasern & Papier gGmbH
9:45	Development of recyclable barriers for paper using nanocellulose	Paula Goderbauer – Fraunhofer IVV
10:15	Controlling surface porosity for barrier coatings – Coating and mineral aspects	Janet Preston – Artemyn Minerals Ltd
10:45	Coffee Break	
11:15	Panel discussion: Is diversification in the packaging sector the key to a sustainable paper industry?	

12:15 p.m.

Lunch

1:45

A recyclable and barrier solution for packaging adapted to the food industry markets

Dr. Laurent Lyannaz – Centre Technique du Papier

2:15

Sol-Gel Functionalization and Barrier Coatings for Paper and Molded Pulp Packaging

Dr. Claus Bischoff – Danish Technological Institute

2:45

Roll-to-roll spray and gravure coating of bio-based barrier coatings on paper

Watti Lehtimäki – KCL Oy

3:15

Coffee Break

3:45

Paving the way towards “paperization” with Cargill™ Barrier Coatings

Diego Fort – Cargill GmbH

4:15

CareTips® by Lactips: the natural coating revolutionizing paper packaging

Dr. Jean-Laurent Pradel – Lactips

4:45

Generation of bio-based coatings using a novel atmospheric pressure plasma source based on a dielectrically impeded discharge

Martin Bellmann – Hochschule für Angewandte Wissenschaft und Kunst (HAWK) Göttingen

5:15

Development of Multilayer Biobased Biodegradable Barrier Coatings

Dr. Jinghuan Chen – CNPPRI

7:00

Symposium dinner

DAY 3 • September 24

9:00 a.m.

Welcome Speech

Dr. Martin Zahel, Prof. Frank Miletzky

9:15

DarkWave – the new generation of dryers for water evaporation

Holger Zissing – Duo-Technik GmbH

9:45

Drying simulation of barrier papers: A Case Study on PVOH Coatings

Dr. Thomas von Langenthal – Voith Paper

10:15

Coffee Break

10:45

Product optimization through adapted processes and quality control

Andrea Glawe – KROENERT GmbH & Co KG, Joonas Kääriäinen – Valmet Oyj

11:15

Innovative Sensors and Control Solutions: precision and efficiency for coating, drying and more

Dr. Jürgen Thoms – PLEVA GmbH

11:45

Closing Words

Dr. Martin Zahel



Coating Symposium



This year, the international industry meeting in the field of coating is once again inviting experts from industry, research and development to Bamberg to discuss **innovations in surface treatment** and **coating of fiber-based substrates**. Based on the high demand for fiber-based packaging and the associated legislative efforts, the sustainability of packaging is becoming increasingly relevant. This has led to intensive research efforts to develop paper and board materials and barrier coatings for effective and environment-friendly packaging solutions. The path to sustainability is complex and multi-layered, requiring the **optimization of barrier performance**, the **development of new raw materials**, the management of migration issues, the consideration of **recycling effects**, the adaptation to different **processing behaviors** and the integration of **intelligent functions**. These challenges have triggered progress in mechanical engineering and in the supplier industry.



Dr. Martin Zahel
Fibres & Composites

Dr. Annika Eisenschmidt
Functional Surfaces

Dipl.-Ing. Ina Greiffenberg
Pilot Plant



September 22 – 24, 2025

Day 1 1:00 p.m. – 5:30 p.m. & Get Together

Day 2 9:00 a.m. – 5:45 p.m. & Conference Dinner

Day 3 9:00 a.m. – 11.45 a.m.



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Panel Discussion • Bamberg Tour • Exhibition



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