



# 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.



Bamberg • Concert & Congress Hall



Panel Discussion • Bamberg Tour • Exhibition



Participation: 1,300 € (*Early bird rates applicable*)

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# Program • PTS Coating Symposium 2025

## DAY 1 • September 22

1:00 p.m.	Opening	Dr. Martin Zahel, Dr. Annika Eisenschmidt, Ina Greiffenberg
1:15	<b>Keynote: Plastic dreams in paper? What fits everything rarely fits well.</b>	Prof. Jens-Peter Majschak – Fraunhofer IVV
2:00	<b>Requirements for functional surfaces on fiber-based material for dairy products</b>	Gwendal Prigent – Danone Global Research & Innovation Center
2:30	<b>Fibre-based products: made for recycling?</b>	Jonathan Scheck – Interzero Recycling Alliance GmbH
3:00	Coffee Break	
3:30	<b>The Paper Revolution – Highly Effective Barriers Against Water – Yet Still Recyclable?</b>	Dr. Johannes Zipfel – DELSCI GmbH
4:00	<b>Technical Innovations in Fibre-Based Packaging: Addressing Sealing and Recyclability Challenges</b>	Annika Sundell – Walki Group
4:30	Exhibitor Pitches	
5:15	<b>Overview and Development Outlook of China's Pulp and Paper Industry</b>	Chao Tian – China National Pulp and Paper Research Institute (CNPPRI) & China Paper Society
5:45	City Tour Bamberg	
7:15	Exhibitor Evening & Get Together	

## DAY 2 • September 23

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

12:15 p.m.

Lunch

1:45	<b>A recyclable and barrier solution for packaging adapted to the food industry markets</b>	Dr. Laurent Lyannaz – Centre Technique du Papier
2:15	<b>Sol-Gel Functionalization and Barrier Coatings for Paper and Molded Pulp Packaging</b>	Dr. Claus Bischoff – Danish Technological Institute
2:45	<b>Roll-to-roll spray and gravure coating of bio-based barrier coatings on paper</b>	Watti Lehtimäki – KCL Oy
3:15	Coffee Break	
3:45	<b>Paving the way towards “paperization” with Cargill™ Barrier Coatings</b>	Diego Fort – Cargill GmbH
4:15	<b>CareTips® by Lactips: the natural coating revolutionizing paper packaging</b>	Dr. Jean-Laurent Pradel – Lactips
4:45	<b>Generation of bio-based coatings using a novel atmospheric pressure plasma source based on a dielectrically impeded discharge</b>	Martin Bellmann – Hochschule für Angewandte Wissenschaft und Kunst (HAWK) Göttingen
5:15	<b>Development of Multilayer Biobased Biodegradable Barrier Coatings</b>	Dr. Jinghuan Chen – CNPPRI
7:00	Symposium dinner & Pub Quiz	

## DAY 3 • September 24

9:00 a.m.	Welcome Speech	Dr. Martin Zahel, Prof. Frank Miletzky
9:15	<b>DarkWave – the new generation of dryers for water evaporation</b>	Holger Zissing – Duo-Technik GmbH
9:45	<b>Drying simulation of barrier papers: A Case Study on PVOH Coatings</b>	Dr. Thomas von Langenthal – Voith Paper
10:15	Coffee Break	
10:45	<b>Product optimization through adapted processes and quality control</b>	Andrea Glawe – KROENERT GmbH & Co KG, Joonas Kääriäinen – Valmet Oyj
11:15	<b>Innovative Sensors and Control Solutions: precision and efficiency for coating, drying and more</b>	Dr. Jürgen Thoms – PLEVA GmbH
11:45	Closing Words	Dr. Martin Zahel