

# **INTERNATIONAL FALL SCHOOL**

🕒 21.-25. September in OWL

ARBEITSWELT  
PLUS 



**UNITED BY IDEAS.  
DRIVEN BY  
INNOVATION.**



# INTERNATIONAL FALL SCHOOL DAY 0

 **Sunday, September 21, 2025**

 **Paderborn**

## Independent arrival at the hotel

B&B Hotel Paderborn

Bahnhofstraße 31

33102 Paderborn, Deutschland

Check-in as of 3 p.m.

6:00 p.m.

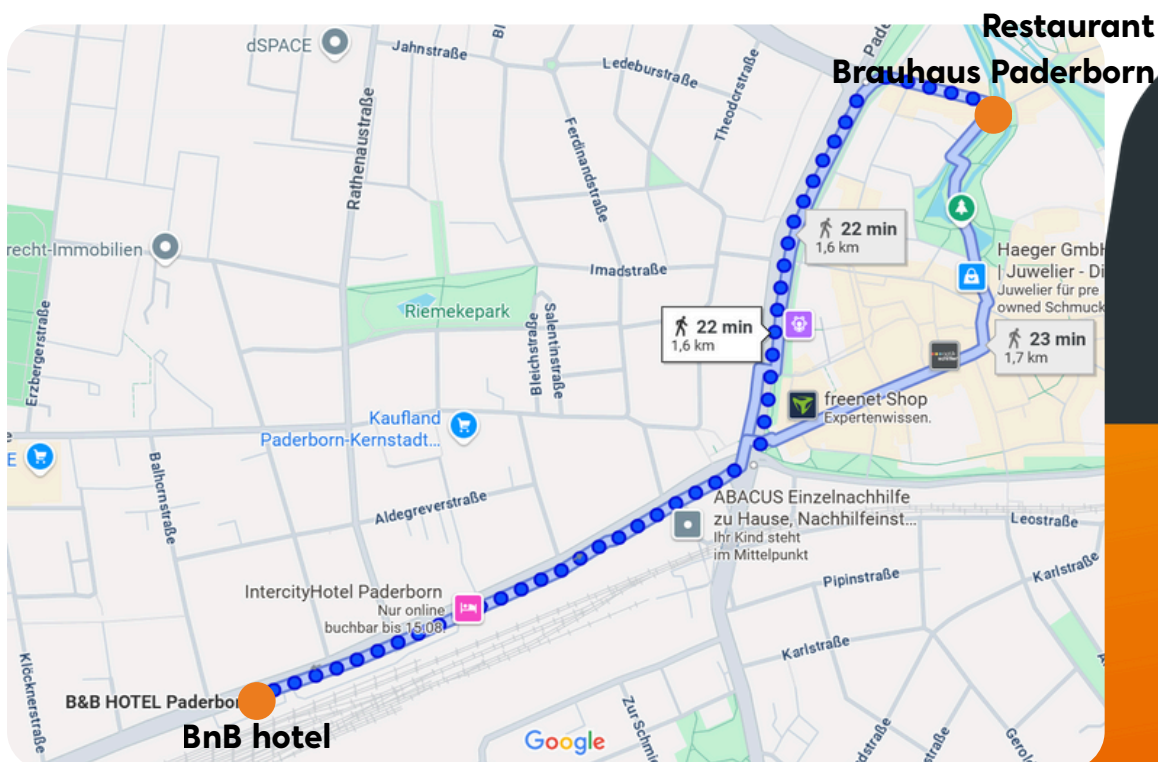
## Welcome dinner

Paderborner Brauhaus

Kisau 2

33098 Paderborn

## Directions from the hotel to the restaurant:



# INTERNATIONAL FALL SCHOOL DAY 1

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 **Fraunhofer**  
IEM

**GEA** Engineering  
for a better  
world.

 **Monday, September 22, 2025**

 **Paderborn - Oelde - Paderborn**

8:30 a.m. **Pick-up at the hotel**

9:00 a.m. **Welcome & introductions**

10:00 a.m. **Lecture: GenAI in Systems Engineering**  
Tommy Falkowski  
*ZM2 IoT Xperience Center*

12:00 p.m. **Lunch break**

1:00 p.m. **Departure to GEA Westfalia Separator Group GmbH**

2:00 p.m. **Tour of GEA**

4:45 p.m. **Departure to Josefs Bräu**

6:00 p.m. **Brewery tour**

9:00 p.m. **Return to the hotel**



# INTERNATIONAL FALL SCHOOL DAY 1

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**GEA** Engineering  
for a better  
world.

## About the speaker



### **Tommy Falkowski | Fraunhofer IEM**

He holds a Master of Science degree and is a strategic manager at Fraunhofer Institute for Mechatronic Systems Design IEM in Paderborn, where he is head of the GenAI incubator, promoting the integration of generative AI into industrial applications. He is co-host of the future podcast "OUTATIME – Visions. Technology. Future.

Research topics: Generative AI, location-based services, industrial data analysis, IoT

## About the company

GEA Westfalia Separator Group GmbH, headquartered in Oelde (Westphalia), is a German manufacturer of separators and decanters, which is part of GEA Group. The company develops methods and processes for the mechanical clarification and separation of liquids and liquid mixtures for the dairy and food industries, chemicals, pharmaceuticals, biotechnology, energy, shipping and environmental technology.



<https://www.gea.com/en/>

# INTERNATIONAL FALL SCHOOL DAY 2

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Fraunhofer  
IOSB-INA

CLAAS

 **Tuesday, September 23, 2025**

 **Paderborn - Lemgo - Harsewinkel - Bielefeld - Paderborn**

8:00 a.m. **Pick-up at the hotel**

9:00 a.m. **Lecture: AI & automation in production**  
Marc Brünninghaus & Nehal Soni  
*Fraunhofer IOSB-INA / SmartFactoryOWL*

2:00 p.m. **Get-together & lunch at CLAAS**

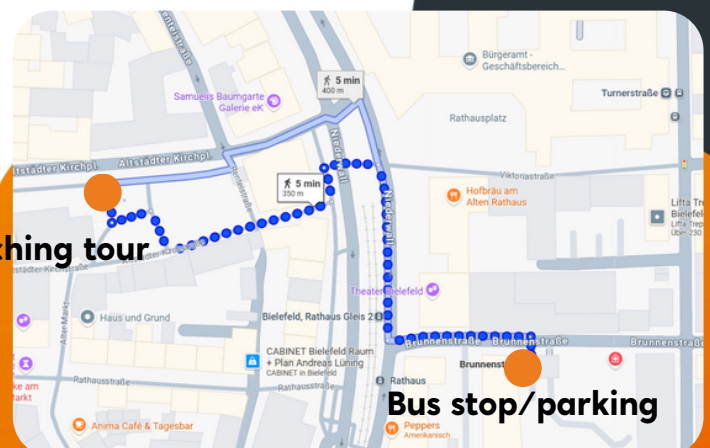
2:30 p.m. **Company visit at CLAAS**  
AI & digitalization in production at CLAAS  
Factory tour

4:30 p.m. **Transfer to Bielefeld**

5:30 p.m. **Geocaching tour**  
Meeting point: Leineweberdenkmal

10:30 p.m. **Return to the hotel**

**Start  
Geocaching tour**



# INTERNATIONAL FALL SCHOOL DAY 2

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 **Fraunhofer**  
IOSB-INA

**CLAAS**

## About the speakers



### **Marc Brünninghaus | Fraunhofer IOSB-INA**

Marc is involved in the development and research of solutions for the integration and interaction of humans and machines in industrial environments. His focus is particularly on location-independent assistance and knowledge management systems in 2D and 3D (augmented reality). With more than 5 years of experience in this field, he worked on 15+ digitization projects across different industry sectors always at the cutting edge of technology.



### **Nehal Soni | Fraunhofer IOSB-INA**

Nehal is a Research Assistant at Fraunhofer IOSB-INA in Lemgo, Germany. She works in the Assistance Systems group, where she develops machine learning and software solutions for industrial applications. She has a research background in reinforcement learning. Nehal carries 9+ years of experience spanning software engineering, deep learning, computer vision and natural language processing. She is a strong advocate for intuitive and human-centered solutions.

## About the company

Headquartered in Harsewinkel, Westphalia, CLAAS is the European market leader in combine harvesters. CLAAS is also a world leader in agricultural technology with tractors, agricultural balers and grassland harvesting machines. The product range also includes state-of-the-art agricultural information technology. CLAAS employs over 12,000 people worldwide and achieved a turnover of 6.1 billion euros in the 2023 financial year.



<https://www.claas.com/en-gb>

# INTERNATIONAL FALL SCHOOL DAY 3

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PADERBORN

**Miele**



**Wednesday, September 24, 2025**



**Paderborn - Gütersloh - Bielefeld - Paderborn**

- 8:30 a.m. **Pick-up at the hotel**
- 9:00 a.m. **Get to know the OWL start-up ecosystem**  
*Constanze Obst, garage33*
- 10:00 a.m. **Lecture: Transformation Management**  
Prof. Kirsten Thommes  
*Start-up Campus OWL*
- 12:00 p.m. **Lunchbreak**
- 1:00 p.m. **Transfer to Gütersloh**
- 2:00 p.m. **Company visit at Miele**
- 5:00 p.m. **Transfer to Bielefeld**
- 6:00 p.m. **Guided tour Dr. Oetker World + pizza tasting**
- 8:30 p.m. **Transfer to the hotel**



# INTERNATIONAL FALL SCHOOL DAY 3

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 UNIVERSITÄT  
PADERBORN

**Miele**



## About the speaker



### **Kirsten Thommes | Paderborn University**

Prof. Kirsten Thommes has been Professor of Organizational Behavior at Paderborn University since April 2018. As part of the regional competence center Arbeitswelt.Plus, she deals with the organizational requirements for the efficient and effective use of AI in companies.

Research topics: Technical systems in workplaces

## About the companies

Miele & Cie. KG is a family-run premium household appliance manufacturer headquartered in Gütersloh - founded in 1899, now in its fourth generation - and achieved sales of around €5 billion in 2024 with around 23,500 employees worldwide. The main plant in Gütersloh (founded in 1907) employs around 2,000 people and is the competence center for household and small commercial laundry care (washing machines, washer-dryers), pressed and cast components as well as product and process development. Electronic components are also developed and manufactured there on a highly automated basis.



<https://www.miele.com/en/com/index.htm>

Dr. Oetker GmbH is a global food company based in Bielefeld, Germany. Dr. Oetker GmbH is the umbrella organization for numerous Dr. Oetker production and sales companies within the Oetker Group, which operates in around 40 countries. Dr. Oetker employs a total of over 11,000 people. The companies managed under the umbrella of Dr. Oetker GmbH generated total sales of €2.43 billion in 2017. The company is represented in the German food retail sector with around 1,000 different products.



<https://www.oetker.ca/>

# INTERNATIONAL FALL SCHOOL DAY 4

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***Kannegiesser***<sup>®</sup>

 UNIVERSITÄT  
BIELEFELD

 **Thursday, September 25, 2025**

 **Paderborn - Bielefeld - Vlotho - Paderborn/Hannover**

8:00 a.m. **Pick-up at the hotel**

9:00 a.m. **AI in robotics and image recognition**  
Prof. Klaus Neumann & Prof. Volker Lohweg  
*CITEC /CorLab, Bielefeld University*

12:00 p.m. **Lunchbreak**

1:00 p.m. **Transfer to Vlotho**

2:00 p.m. **Company visit at Kannegiesser**

4:00 p.m. **Wrap-up session**

5:00 p.m. **Return trip to Paderborn /  
Onward journey to Hanover**

# INTERNATIONAL FALL SCHOOL DAY 4

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**Kannegiesser**<sup>®</sup>

 UNIVERSITÄT  
BIELEFELD

## About the speakers



### **Klaus Neumann | Bielefeld University**

Prof. Dr. Klaus Neumann teaches at the Faculty of Engineering at Bielefeld University and is module leader for robotics, automation and computer engineering - with a focus on collaborative robotics and cognitive automation. In 2023, he returned as Professor of Collaborative Robotics, took over a group leadership for cognitive automation and is also head of a working group at CITEC/Fraunhofer IOSB-INA.

Research topics: Robotics, Automation, Computer engineering



### **Volker Lohweg | Institute Industrial IT - inIT**

Prof. Dr. Volker Lohweg has been a member of the inIT Executive Board since 2006 and represents the Discrete Systems department with the Image Processing and Pattern Recognition as well as Sensor and Information Fusion working groups in research and teaching.

Research topics: technical cognitive systems with a focus on industrial real-time image processing and pattern recognition, as well as sensor and information fusion for the application areas of document security, automation, medical and health technologies.

## About the company

Kannegiesser develops, produces and sells machines and systems in the product fields of washing technology, flat linen, molded parts, logistics, process technology and data information systems. The family-owned company from Vlotho was founded in 1948 and is now represented in 54 countries with 2100 employees. Development and production are carried out with a high degree of vertical integration at 7 locations - 5 in Germany and one each in the UK and the USA.



<https://www.kannegiesser.com/us/en/index.html>

# INTERNATIONAL FALL SCHOOL

## Hotel

B&B Hotel Paderborn  
Bahnhofstraße 31  
33102 Paderborn, Deutschland  
Tel.: +49 5251/ 69 30 -0  
Mail: paderborn@hotelbb.com

## Important numbers

Police: 110  
Ambulance / Fire department:  
112

## Nice to know

### Pharmacy



Apotheke am Hauptbahnhof  
Bahnhofstraße 40  
33102 Paderborn

### Grocery store / Drugstore



LIDL / dm  
Bahnhofstraße 84  
33102 Paderborn

## Contact persons



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### Salome Lessmann

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 s.lessmann@its-owl.de

### Peter Wawrow

 +1 519 9809888  
 Peter.Wawrow@ngen.ca

### Cocktailbar

Weekend Cocktailbar  
Rosenstraße 25  
33098 Paderborn

### Pub

Black Sheep  
Ükern 28  
33098 Paderborn