

# Digital Transformation Expert

Course: April 17-19 & May 27-29, 2024

# YOUR TRANSFORMATIONAL APPROACH TO BUILD A SUSTAINABLE DIGITALIZATION ...

**Industry 4.0** and **digital transformation** offer the potential to optimize processes, develop smart products or establish digital business models. Many companies are prioritizing digital transformation, initiating **prototypes** and **pilots** that demonstrate this potential.

For the digital transformation to succeed plus being successful economically, digital solutions **must be available throughout the company**. Digitalization projects must be **evaluated, coordinated** and **implemented** as part of an overall program. Crucial to success are a central management team, the use of future-proof technologies and the development of digital capabilities in all areas of the company. The responsible employees are also at the **heart of digital transformation**. They must initiate changes in the new subject area of digitalization, involve all stakeholders and implement measures.

This certificate course is aimed at **specialists** and **managers** who are responsible for coordinating and implementing digital transformation in their company. In the "**Digital Transformation Expert**" course certified by the **RWTH International Academy**, you will learn the knowledge, methods and tools to lead your company through the digital transformation in a safe and goal-oriented manner.

*With Experts from...*



**SCHAEFFLER**



 **Fraunhofer**



## ... AND TO IMPLEMENT IT STRATEGICALLY, BY ...

**Experts** from business and science who have already successfully implemented the digital transformation **teach you about:**



### *Digitalization's potential*

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Deriving digitalization potential from corporate strategy.



### *Management of measures*

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Identification of measures based on the digitalization potentials as well as their quantification, coordination and transfer to a roadmap.



### *Realization of roadmap*

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Implementation of the roadmap and initiation of digital transformation in the company.

## YOU WILL GAIN KNOWLEDGE IN THE FOLLOWING SUBJECT AREAS:



### VISION AND IMPACT

**Strategical relevance** and **advantages** of the digital transformation as well as relevant **methods** and **framework** such as the **Internet of Production (IoP)** and the **Aachener Digital Architecture Management (ADAM)**.



### DIGITAL STRATEGY AND MEASURES

A holistic transformation of a company towards an agile and learning organization by using a **systematic approach**, which offers you **transparency** about your maturity level as well as provides you an individual roadmap.



### DIGITAL EXTERNAL EFFECTS

Consideration of different approaches to address external framing conditions such as **cyber-security**, **digital sovereignty**, and **market overviews** of important digital products such as industrial IoT platforms.



### TECHNOLOGY TRENDS

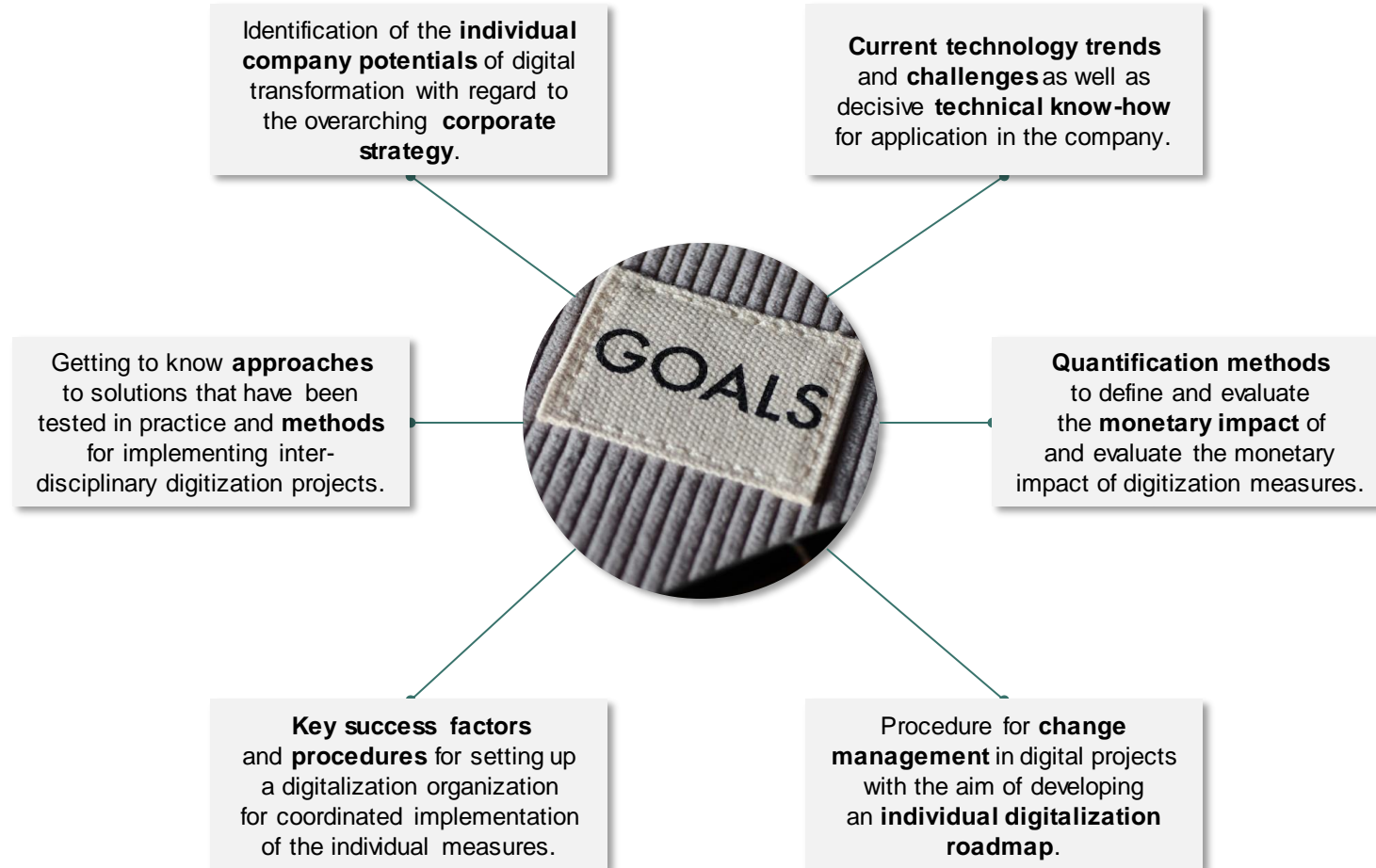
Presentation of modern and relevant technological trends that are shaping the digital transformation, such as **process mining**, **IoT platforms**, **Artificial Intelligence** or **low code / no code platforms**.



### CHANGE AND ORGANIZATION

Building a sustainable digitalization approach by making it **measurable** over time to derive specific measures and by **adjusting the organization** in that way that it supports the digitalization effort to a high extent.

## ... LEARNING THE FOLLOWING KEY CAPABILITES.





“With the knowledge from DTE, we were suddenly able to set up a project program to digitally connect our factories. Now we can see the condition of our machines and equipment at any time, which has allowed us to significantly improve our performance globally.”

Dennis Schiemann | Head of Supply Chain Performance – Lindt & Sprüngli

# LEARN ALL TOOLS AND METHODS YOU NEED TO ACHIEVE A SUCCESSFUL DIGITAL TRANSFORMATION OF YOUR COMPANY

## VISION & IMPACT

- Welcoming and Introduction
- Industry 4.0: **Why it Matters**
- Workshop: **Smart production** in the Demonstration Factory in Aachen
- **Business-Digitalization-Alignment I:** Digitalization Strategy and Business Impact
- Discussion Session
- **Business-Digitalization-Alignment II:** Target Systems of the Digital Transformation
- Expert lecture

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Joint Evening Event

## DIGITAL TRANSFORMATION STRATEGY AND MEASURES

- **Shaping the Digital Transformation:** The Industrie 4.0 Maturity Index
- Workshop: **i4.0MC Plattform & Potentials:** Evaluation of the Status Quo
- Expert lecture
- **IT Compliance & IT Governance:** Creating a regulatory framework for the digitalization
- Expert lecture

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## DIGITAL EXTERNAL EFFECT

- **Cyber Security and Digital Resilience:** Protecting Digital Infrastructures
- Impulse & Workshop: **Digital sovereignty**
- Expert lecture
- Wrap up Modul 1

3

Days



# LEARN ALL TOOLS AND METHODS YOU NEED TO ACHIEVE A SUCCESSFUL DIGITAL TRANSFORMATION OF YOUR COMPANY

## TECHNOLOGY TRENDS

- Impulse: **From bean to byte**
- **Industrial IoT-Platforms:** The digitally connected shopfloor
- **Low Code / No Code** Platforms: Coding without coding
- Workshop: **Digitalization in electric vehicle production**
- **Artificial Intelligence:** AI Applications in Production
- Expert lecture

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Joint Evening Event

## CHANGE & ORGANIZATION

- **Quantifying Potentials:** Added Value through Digitalization Measures
- Workshop: **Quantifying Potentials**
- **Establish digitization teams:** Centralizing Industry 4.0 Coordination
- Expert lecture
- **New Work:** How Modern Organizations Work
- Expert lecture

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## EXAM AND CLOSING

- **Exam**
- **IoT via Drag & Drop:** Without programming into the Internet of Things
- **Certificate awarding** and graduation

6

Days





# OUR EXPERTS WHO SHARED BEST PRACTICES AT OUR LAST DIGITAL TRANSFORMATION EXPERT COURSES



**Dr. Boris Feige**  
Former COO  
SMS digital GmbH



**Dr. Dirk Wagner**  
Director Product Management  
Schaeffler Monitoring Solutions



**Dennis Schiemann**  
Head of Supply Chain Performance  
Lindt & Sprüngli



**Hannes Häfke**  
Scientific Associate  
Fraunhofer FIT



**Paco Reina**  
Director of Digitalization  
RENOLIT SE



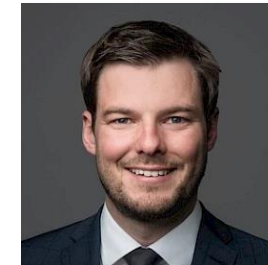
**Katharina Berwing**  
Center Director  
Center Integrated Business Applications



**Max-Ferdinand Stroh**  
Information Management  
FIR, RWTH Aachen



**Christian Hocken, MBA**  
Managing Partner  
Industrie 4.0 Maturity Center



**Dr.-Ing. Sebastian Schmitz**  
Senior Manager  
Industrie 4.0 Maturity Center



# Impressions from last events





**Digital Transformation Expert:  
April 17-19 & Mai 27-29, 2024:**

*Managing the digital transformation in your company*

- Sessions with experts from industry & science
- Interactive Workshops, Lectures, and Focus Sessions
- Evening events with speakers and participants



Industrie 4.0  
Maturity Center

# Managing Digital Transformation

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