

**Universität Stuttgart**

Institut für Industrielle Fertigung  
und Fabrikbetrieb IFF



# Innovation Talk

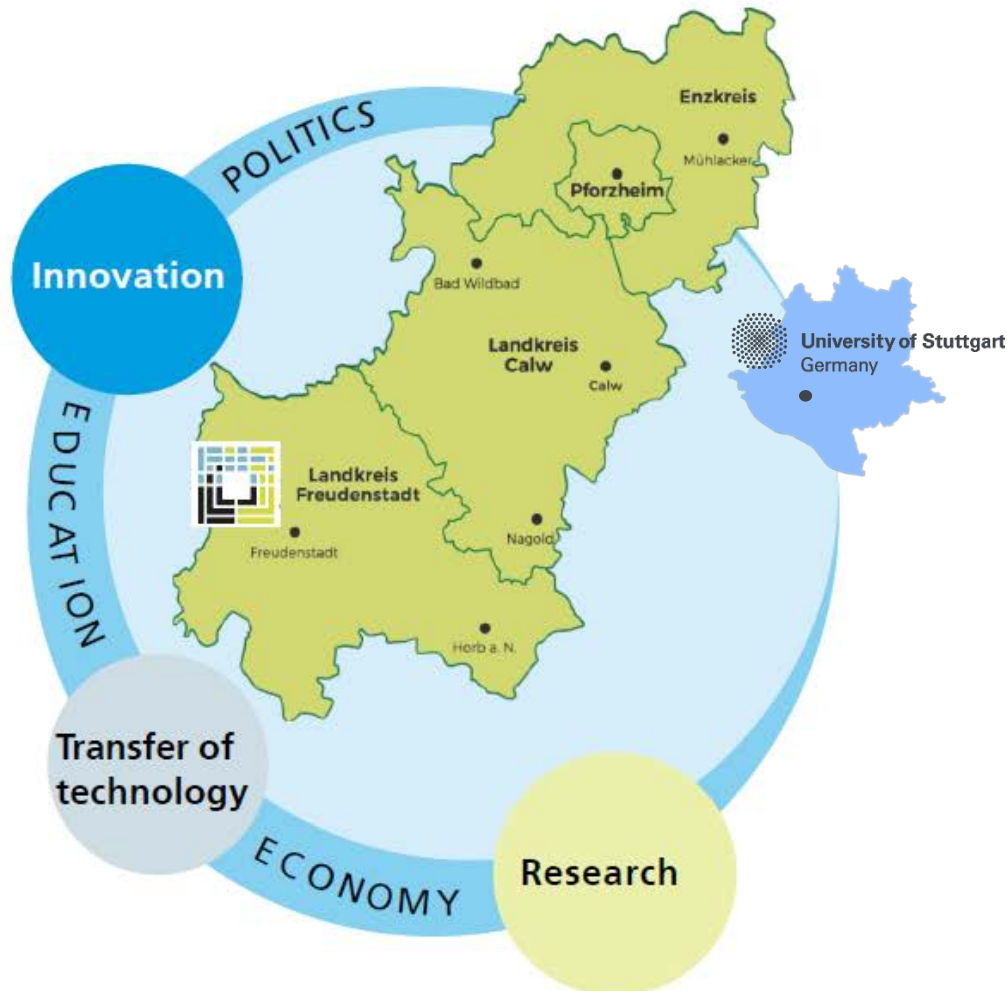
## Regional Innovation Partnerships Baden- Württemberg & Denmark

**Baden-Württemberg  
International**



# Regions, goals and target groups

Networked research between the Northern Black Forest region and the city of Stuttgart



SMEs, start-ups and producing industry

Society and regional economy

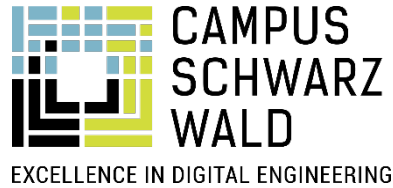
Educational and research organizations

Regional and country politics

Descentral "knowledge region"

International symbiosis technology - research

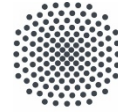
# Who we are...



Regional center for education, research and technology transfer in the manufacturing industry with the topics of digitization, leadership and sustainability.



Stefan Bogenrieder



University of Stuttgart

Institute of Industrial Manufacturing and Management IFF

Interdisciplinary team focused on future oriented research areas of industrial production. Part of the Faculty of Engineering Design, Production Engineering and Automotive Engineering.



Jörg Siegert



Liliana Zarco



# Regional Innovation Partnerships

impulse a sustainable and efficient transfer of knowledge and technology between the industry, research and education through the cooperation between regional SMEs and academic institutions



Future-oriented SMEs relevant fields



Networking between students, scientists and companies



Concentrate on relevant research topics



Quality assurance and further development in education



Synchronizing research and academic education



Highly personnel qualifying



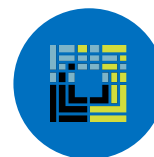
Mentoring program



Involvement of several stakeholders (students, scientists, industry employees, executives, entrepreneurs) in the teaching and research process design



Actively involving high-performing students

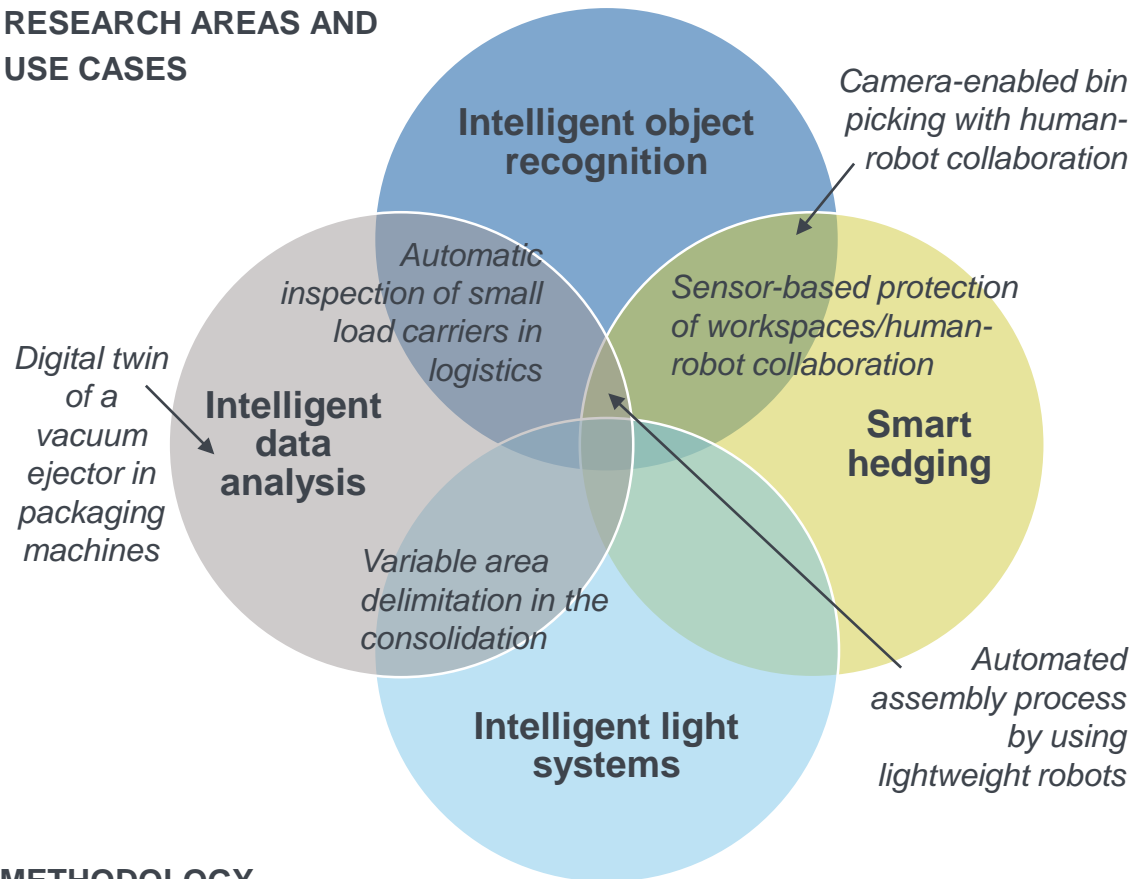


**Living Lab Projects:** Developing and transferring the findings from the research either into existing teaching modules or by building additional ones

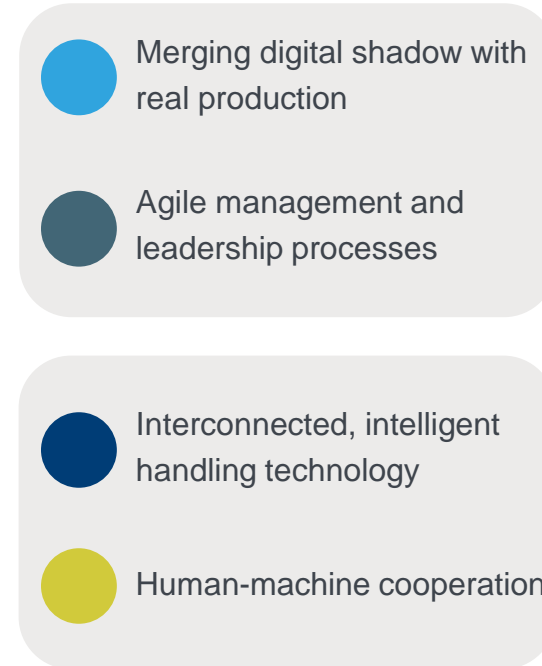


# Regional partnership projects

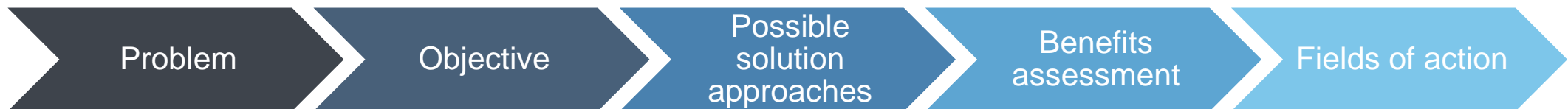
## RESEARCH AREAS AND USE CASES



## FIELDS OF ACTION AND DEFINED LABS



## METHODOLOGY



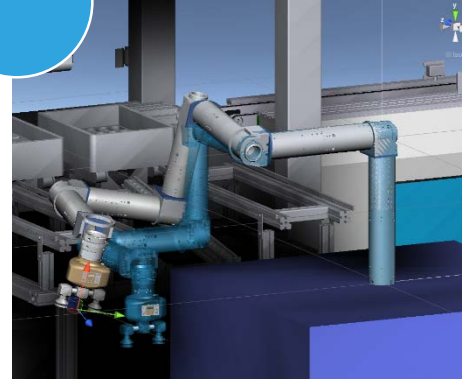
# Scientific demonstrators



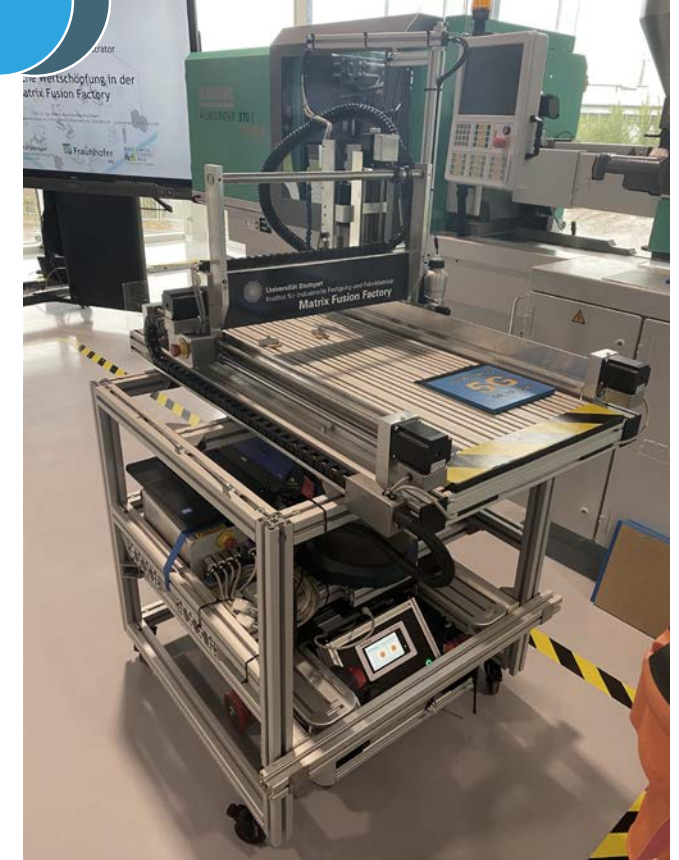
Machine-machine cooperation



Cyber-physical robots as flexible  
module assemblies



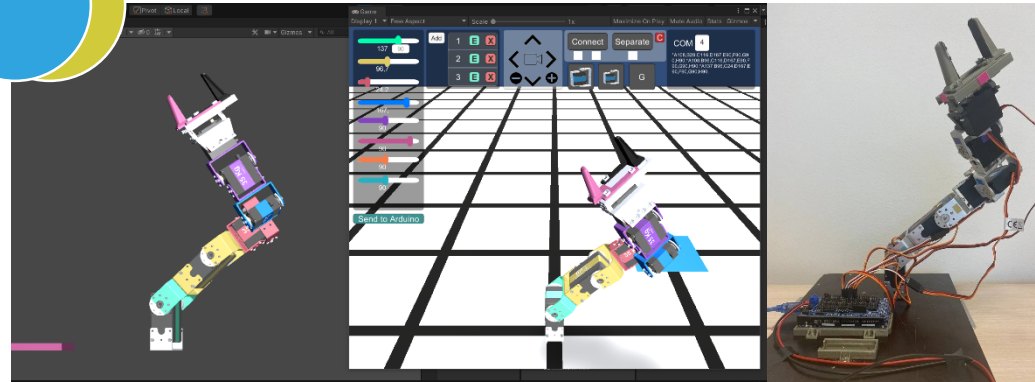
Value-adding logistics



Human-machine  
interaction

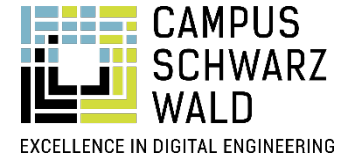


Interactive configuration and intuitive controls of modular machine  
assemblies





**University of Stuttgart**  
Institute of Industrial Manufacturing  
and Management IFF



# Thank you!



**Stefan Bogenrieder**

Managing Director

Phone: +49 7441-86849-01

[stefan.bogenrieder@campus-schwarzwald.de](mailto:stefan.bogenrieder@campus-schwarzwald.de)

[www.campus-schwarzwald.de](http://www.campus-schwarzwald.de)



**Jörg Siegert**

IFF Deputy Director

Phone: +49 711-685-61875

[joerg.siegert@iff.uni-stuttgart.de](mailto:joerg.siegert@iff.uni-stuttgart.de)

[www.iff.uni-stuttgart.de](http://www.iff.uni-stuttgart.de)