

FRENCH-GERMAN INSTITUTE FOR INDUSTRY OF THE FUTURE

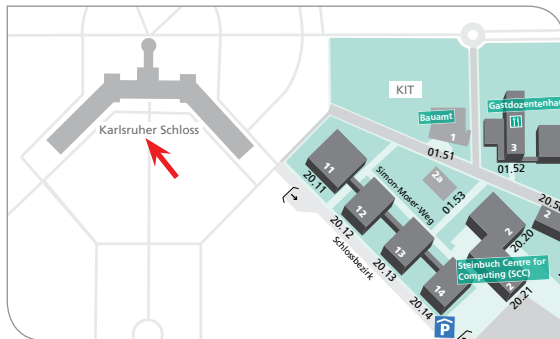
Europe's industrial future has to be envisioned and designed to cross borders and be prepared to face the challenges of the 4th industrial revolution in order to strengthen its economy. France and Germany play a major role in this challenge and aim to enhance Europe's industrial competitiveness through bilateral cooperation.

Strong Relationship

In this framework, Karlsruhe Institute of Technology (KIT) and Arts et Métiers ParisTech have now joined their strengths by the creation of the French-German Institute for "Industry of the Future" that was initiated by signing an MoU in April 2016. The new French-German Institute builds on a strong relationship between KIT and Arts et Métiers ParisTech spanning over 20 years in education through a double degree, joint PhDs, and summer schools. It aims to bring together academics, industry, and start-ups on a collaborative platform in order to strengthen research, innovation, and higher education for the Industry of the Future.

Event Venue

Karlsruhe Castle – Gartensaal
Schlossbezirk 10
D-76131 Karlsruhe



AMBASSADE DE FRANCE
EN ALLEMAGNE



Registration

<http://www.institute-industry-of-the-future.eu/>

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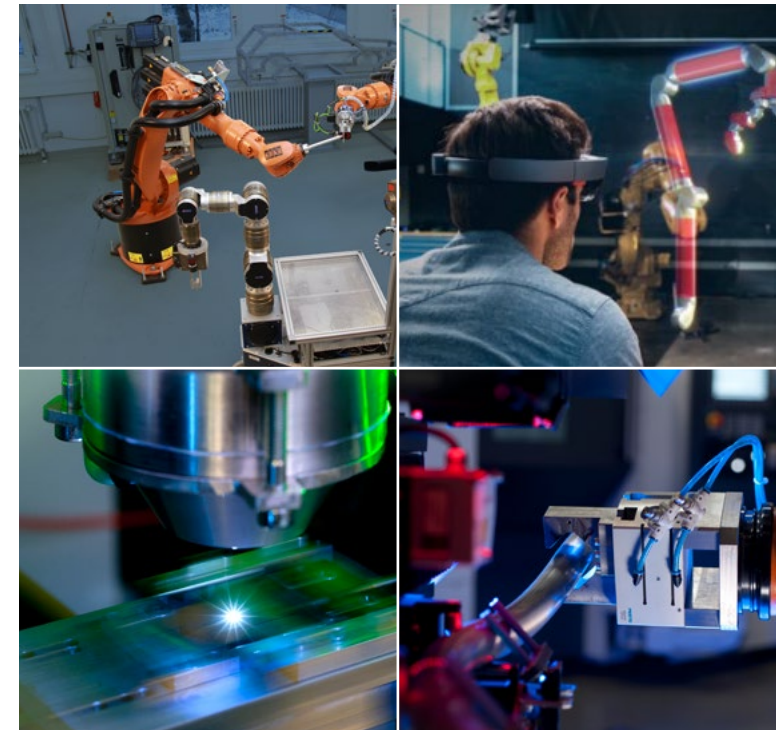


CONFERENCE FOR INDUSTRY OF THE FUTURE

Friday, October 6, 2017

9:00 – 16:30

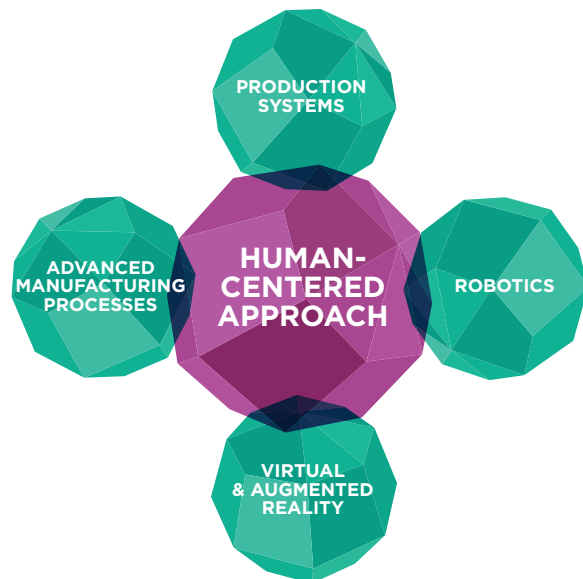
KARLSRUHE CASTLE – GARTENSAAL



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AIMS OF THE FRENCH-GERMAN INSTITUTE FOR INDUSTRY OF THE FUTURE

- Foster joint programs in the field of further education to upskill the existing industrial workforce and train the next generation of engineers.
- Create and structure a research & technology platform to foster and facilitate cross-border and scientific research with the aim of supporting the digitalization of the German and French industry in the four research fields Robotics, Advanced Manufacturing Processes, Virtual and Augmented Reality, and Production Systems.
- Create a strong link between the French-German Institute for “Industry of the Future” and strategic industrial partners.
- Facilitate and encourage innovation and entrepreneurship.



FRENCH-GERMAN CONFERENCE

9:00 Arrival of guests

9:30 **Welcome**

Stadt Karlsruhe

Ambassade de France en Allemagne

Conseil Régional Grand Est

Industrie- und Handelskammer Karlsruhe

10:00 **Impulses**

Prof. Jean-Yves Dantan | Arts & Métiers &

Prof. Volker Schulze | KIT

The French-German Institute for Industry of the Future

Philippe Darmayan | President Alliance Industrie du Futur

Interest of french-german collaboration for the

Industry of the Future

Dr. Carsten Polenz | SAP

The benefits of cooperation – European initiatives and the Plattform Industrie 4.0

Coffee Break

Fabrice Gautier | Faurecia S.A.

Digital transformation in operations at Faurecia: challenges of Industry 4.0

Dr. Thomas Herlan | Herlanco GmbH

Importance of binational partnership for Industry of the Future for SME

Vincent Chaillou | ESI Group

How is CAE evolving towards the Hybrid Twin™ framework?

Dr. Christoph Amma | Kinemic GmbH

Shaping the human-machine interface for the Industry of the Future

Panel Discussion

Arts et Métiers, KIT, Plattform Industrie 4.0, Alliance Industrie du Futur, Faurecia S.A., ESI Group, Leviathan Dynamics SAS, Herlanco GmbH, ArtiMinds Robotics GmbH, Kinemic GmbH

12:45 **Lunch**

13:30 **Four Research Axes of the French-German Institute for Industry of the Future**

Production Systems

Prof. Kai Furmans | KIT

Prof. Ali Siadat | Arts et Métiers

Design for human safety in manufacturing system

Dr.-Ing. Thomas Stoll | flexlog GmbH

Flexconveyor – Flexibility in material handling

Robotics

Dr. Adel Olabi | Arts et Métiers

Dr. Andreas Bihlmaier | robodev GmbH

Gaining agility in production through modularized automation systems

Sven Schmidt-Rohr | ArtiMinds Robotics GmbH

Next-generation assembly applications with flexible, sensitive robot skills

Virtual and Augmented Reality

Prof. Jivka Ovtcharova | KIT

Prof. Andras Kemeny | Renault S.A. & Dr. Jean-Rémy Chardonnet | Arts et Métiers

Joint collaboration in VR/AR between ENSAM and industry – The example of LiV

Polina Häfner | KIT

Measuring of immersion and presence in driving simulators

Advanced Manufacturing Processes

Prof. José Outeiro | Arts et Métiers

Dr. Frederik Zanger | KIT

Surface finishing in machining allowing for optimized tribological properties

Dr. Theo Dorlin | Renault S.A.

Manufacturing process simulation on automotive industry: An overview of current and future R&D works

16:10 **Closing Remarks**

Prof. Ivan Iordanoff | Director Research and Innovation at Arts et Métiers

Prof. Thomas Hirth | Vice-president for Innovation and International Affairs at KIT