



New Technologies and the Future of Work

German-American Online Talk on cooperation in
science, technology and innovation

22/03/2021, start time: 5 pm CET

Registration: <https://www.eventbrite.de/e/new-technologies-and-the-future-of-work-registration-143076755427>

The German-American online talk is part of the international research marketing campaign “The Future of Work” and celebrates the transatlantic dialogue on research opportunities, innovation potentials and best-practice solutions to shape a livable future world of work in our societies.

The one-hour-talk brings together experts from four excellent German-American research and industry networks in the fields of digitization, big data, artificial intelligence and robotics. The experts will reveal how their projects make AI and robotics research more democratic and industrial production processes safer, cleaner and more efficient. They will also show how they improve human decision making in medicine or other businesses with automated algorithms. All the projects also address the global sustainable development goals set out by the UN to achieve a better and more sustainable future.

The research marketing campaign “The Future of Work” is run by the DLR Project Management Agency at German Aerospace Center on behalf of the German Federal Ministry of Education and Research.

Agenda

4:30 pm	Registration and technical details
5:00 pm	Welcome and introduction to the event
5:05-6:00 pm	Introduction of speakers/projects and their German-American networks: Prof. Beetz (TransAIR), Dr. Bohlouli (BRIDGE-US), Esther Legant (KIT LINK), Dr. Igor Kogut (IntWash), Dr. Sabine Blankenship (German Consulate, San Francisco)
	Discussion points: <ul style="list-style-type: none"> ➤ Innovations for the Future of Work ➤ Challenges in US-German research collaborations ➤ Benefits of US-German research collaborations in AI research ➤ Lessons learned in international networking and marketing
	Wrap-up



Panelists

Name: Dr. Igor Kogut

Institution/Project:

Future of Work in laundry 4.0: Opportunities and challenges for establishing smart industrial laundries (IntWash)



As a coordinator of the research project "IntWash", I represent our research network and my employer, the service provider and research partner Hohenstein. I studied chemistry at the University of Hamburg with a focus on analytics (i.e., process analytics, polymer characterization) and accomplished my Ph.D. thesis in the field of applied polymer analytics.

We develop a novel internet platform, which aims at providing the information about how the digital transformation of industrial laundries can be realized, and addresses future challenges and opportunities of this industry branch.

My main research interests include novel environmental technologies, implementation of smart and green industrial laundries, development of novel methods for process analytics and process simulation.

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LinkedIn: <https://de.linkedin.com/company/hohensteingroup>

Name: Esther Legant, M.A.

Institution/Project:

Karlsruhe Institute of Technology (KIT) KIT LINK



Karlsruhe Institute of Technology (KIT) is the oldest technical university in the world, since 2019 awarded the title German university of excellency. My engagement focuses on research marketing and knowledge transfer including acquisition of third-party money. My current task is our transatlantic network KIT Link, where I am responsible for management including strategy and concept. I am passionate networker, empathic about sharing experience and commitment with others to shape the future with vision, imagination and creativity, having the courage to break new ground and try something new! At KIT Link, I promote our mission to create a community, which champions cooperation and innovation through the exchange of knowledge and ideas.

Website: <http://www.intl.kit.edu/kit-link.php>

LinkedIn: www.linkedin.com/in/esther-legant, <https://www.linkedin.com/company/kit-link>

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Name: Prof. Michael Beetz

Institution/Project:

Professor for Computer Science at the Faculty for Mathematics & Informatics of the University Bremen and head of the Institute for Artificial Intelligence (IAI).



I received my diploma degree in Computer Science with distinction from the University of Kaiserslautern. My MSc, MPhil, and PhD degrees were awarded by Yale University in 1993, 1994, and 1996, and my Venia Legendi from the University of Bonn in 2000. In February 2019 I received an Honorary Doctorate from Örebro University.

I was vice-coordinator of the German cluster of excellence CoTeSys (Cognition for Technical Systems, 2006-2011), coordinator of the European FP7 integrating project RoboHow (web enabled and experience-based cognitive robots that learn complex everyday manipulation tasks, 2012-2016), and am the coordinator of the German collaborative research center EASE (Everyday Activity Science and Engineering, since 2017).

My research interests include plan-based control of robotic agents, knowledge processing and representation for robots, integrated robot learning, and cognition-enabled perception.

Website: <https://ai.uni-bremen.de/>

Twitter: https://twitter.com/IAI_Bremen

LinkedIn: <https://www.linkedin.com/in/michael-beetz-3332a515/?originalSubdomain=de>

Name: Asst. Prof. Dr.-Ing. Mahdi Bohlouli

Institution/Project:

Assistant Professor for data science and machine learning at the Institute for Advanced Studies in Basic Sciences (IASBS) and CEO and founder of Petanux GmbH



Currently, I am Assistant Professor for data science and machine learning at the Institute for Advanced Studies in Basic Sciences (IASBS) and CEO and founder of Petanux GmbH (Germany) with a main research focus on applied deep learning and big data. Furthermore, I am the leader of significant researches in the areas of applied deep learning and big data analytics in services of tomorrow covering work 4.0, smart cities and web of things. In connection to the research marketing in the US, I am also chairing the Association for AI in Science and Industry (AAISI), in which we collaborate a lot with US researchers and key decision makers from industries in AI and big data areas.

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Name: Dr. Sabine Blankenship
Institution/Project:
Senior Advisor for Science and Technology
German Consulate General San Francisco



As the Senior Advisor for Science and Technology at the German Consulate General in San Francisco my work focuses on informing the German policy making process and to advance scientific exchange between Germany and the Consulate's district. I build relationships with research institutes, think tanks, government organizations, academic institutions, and technology companies and report to the German government about trends in Silicon Valley. Before joining the consulate in 2011, I held a DAAD postdoctoral fellowship in the Department of Cellular and Molecular Pharmacology at UC San Francisco. My undergraduate degrees are in biochemistry and tourism, and I received my Ph.D. in Neuroscience from the International Graduate School of Neuroscience at Ruhr University Bochum, Germany.

Website: <https://www.germany.info/us-en/embassy-consulates/san-francisco>

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