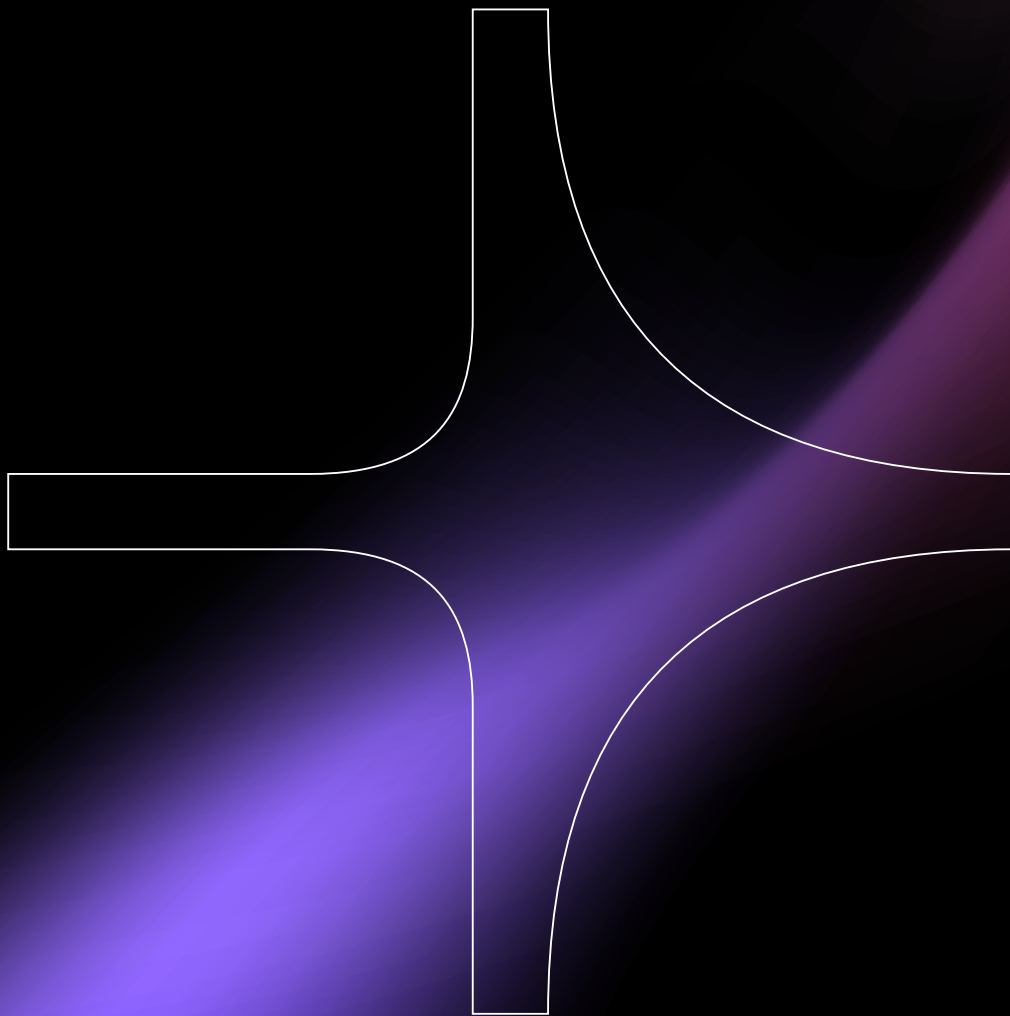


German  
Robotics  
Conference

1<sup>st</sup> EDITION



**PROGRAM**

13-15 MARCH | 2025

# THE FUTURE OF ROBOTICS – MADE IN GERMANY



The **German Robotics Conference** is a **flagship event** of the **Robotics Institute Germany (RIG)**, an initiative backed by the Federal Ministry of Education and Research (BMBF). RIG brings together **14 top German universities and research institutions** and 20+ strategic partners to accelerate the development of AI-powered robotics.

By uniting Germany's leading robotics hubs, RIG drives global leadership, fosters innovation, and attracts top talent, setting new standards for the future of intelligent automation.

**Join us in shaping the future.**



## THURSDAY 13 MARCH | 2025

Focus on

**SCIENCE**

12:00 - 13:00 Entrance Frankenhalle, Hall 11

### Registration

13:00 - 13:30 Room Paris, Level 2

### Opening

Engelbert Beyer, Head of Directorate, Technology-Oriented Research for Innovation, Federal Ministry of Education and Research (BMBF)

Prof. Dr. Michael Huth, President of the University of Technology Nuremberg

13:30 - 14:00 Room Paris, Level 2

### Keynotes

**Science of Intelligence**  
Prof. Dr. Oliver Brock, Technical University Berlin

**Robotics and Phenotyping for Sustainable Crop Production**  
Prof. Dr. Cyrill Stachniss, University of Bonn

14:00 - 14:30 Room Paris, Level 2

### RIG Thematic Clusters

Prof. Dr.-Ing. Tamim Asfour,  
Karlsruhe Institute of Technology

14:30 - 15:00

### Coffee Break

15:00 - 16:00 Atrium, Level 1 & 2

### Interactive Session and Demos



16:00 - 17:00 Room Paris, Level 2

### Oral Session



17:00 - 17:30 Room Paris, Level 2

### Keynotes

**Building Intelligent Robots Using Probabilistic, Deep Learning, and Generative AI Techniques**

Prof. Dr. Wolfram Burgard, Technical University of Nuremberg

**Everyday Activity Science and Engineering: Towards Intelligent Robots in Everyday Life**

Prof. Dr. Michael Beetz, University of Bremen

17:30 - 18:00 Room Paris, Level 2

### Research Panel

- Prof. Dr. Jan Peters, Technical University of Darmstadt
- Prof. Dr. Katherine J. Kuchenbecker, Max Planck Institute for Intelligent Systems
- Prof. Dr. Marc Toussaint, Technical University of Berlin
- Prof. Dr. Sven Behnke, University of Bonn
- Prof. Dr.-Ing. Eckehard Steinbach, Technical University of Munich

18:00 - 18:10 Room Paris, Level 2

### Robotics at DFG

Dr. Florentin Neumann,  
Deutsche Forschungsgemeinschaft (DFG)

18:10 - 18:30 Atrium, Level 2

### Networking and Exhibition

18:30 - 22:00 Restaurant West, Level 1

### Bavarian Get-Together

Evening Speech

Prof. Dr. Michael Huth, President of the Technical University of Nuremberg

# FRIDAY

## 14 MARCH | 2025

09:00 - 10:00 Room Paris, Level 2

### Oral Session



10:00 - 10:30 Room Paris, Level 2

### Keynote

Dr. Markus Söder,  
Bavarian Minister-President



10:30 - 11:00

### Coffee Break

11:00 - 12:00 Room Paris, Level 2

### Keynotes

**Active Perception for Service Robots: Enhancing Mapping, Object Detection, and Occlusion Handling**  
Prof. Dr. Maren Bennewitz, University of Bonn

**Long-term Socially Assistive Robotics**  
Prof. Dr. Barbara Bruno, Karlsruhe Institute of Technology

**From Research into Factories Worldwide: Learnings from Seven Years of International Hypergrowth**  
Dr. Zhaopeng Chen, Agile Robots

**Powering Robotics with AI: From Robot-Specific Data to Internet-Scale Knowledge**  
Prof. Dr. Angela Schoellig, Technical University of Munich

12:00 - 13:00 Restaurant West, Level 1

### Lunch

13:00 - 14:00 Atrium, Level 1 & 2

### Interactive Session and Demos



Focus on

## SCIENCE AND INDUSTRY

14:00 - 14:30 Room Paris, Level 2

### Panel Discussion

**Innovation and Competition: What Do We Need to Position our AI Robotics at the Forefront?**

Moderation: Christina Merkel, Editor, Verlag Nürnberger Presse

- **Hubert Aiwanger**, Bavarian Minister of Economic Affairs, Regional Development and Energy
- **Prof. Dr. Thomas F. Hofmann**, President of the Technical University of Munich
- **Prof. Dr. Michael Huth**, President of the Technical University of Nuremberg
- **Prof. Dr. Wolfram Burgard**, Technical University of Nuremberg



Translator

14:30 - 15:00

### Coffee Break

15:00 - 16:00 Atrium, Level 1 & 2

### Interactive Session and Demos



16:00 - 16:10 Room Paris, Level 2

### RIG New Brand Identity

Damien Julien, distylerie

16:10 - 16:40 Room Paris, Level 2

### Keynotes

**Pushing Boundaries in Networked Robotics: Communication and Computing Beyond Shannon**  
Prof. Dr.-Ing. Dr. h.c. Frank Fitzek, Dresden University of Technology

**Ecosystems and Platforms for AI-based Robotics**  
Prof. Dr. Torsten Kroeger, Intrinsic Innovation

16:40 - 17:40 Room Paris, Level 2

### Transfer & Industry Presentations

- **Thomas Hahn**, Chief Expert Software, Siemens
- **Prof. Dr. Deborah Clever**, Principal Scientist Motion and Control Technologies, ABB
- **Prof. Dr. Alin Albu-Schäffer**, Director, Institute of Robotics and Mechatronics, German Aerospace Center
- **Jens Knut Fabrowsky**, COO, Neura Robotics
- **Dipl.-Ing. Wilfried Eberhardt**, Vice President Governmental Affairs, KUKA
- **Patrick Schwarzkopf**, Managing Director VDMA Robotics + Automation Association

17:40 - 18:10 Room Paris, Level 2

### Transfer & Industry Panel

**How Can Science and Industry Benefit from Each Other?**

Moderation: **Prof. Dr. Alin Albu-Schäffer**, Director, Institute of Robotics and Mechatronics, German Aerospace Center

- **Thomas Hahn**, Chief Expert Software, Siemens
- **Prof. Dr. Deborah Clever**, Principal Scientist Motion and Control Technologies, ABB
- **Dr. Werner Kraus**, Head of Research Division Automation and Robotics, Fraunhofer Institute for Manufacturing Engineering and Automation
- **Jens Knut Fabrowsky**, COO, Neura Robotics
- **Dipl.-Ing. Wilfried Eberhardt**, Vice President Governmental Affairs, KUKA
- **Prof. Dr. Torsten Kroeger**, Chief Science Officer, Intrinsic Innovation
- **Patrick Schwarzkopf**, Managing Director VDMA Robotics + Automation Association
- **Amy Zhang**, International Business Development Director, NOKOV Motion Capture

18:10 - 18:30 Atrium, Level 2

### Networking and Exhibition

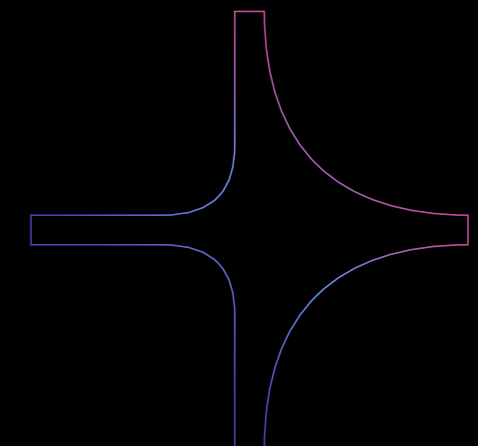
18:30 - 22:00 Restaurant West, Level 1

### Conference Dinner

**Dinner Speech**  
Prof. Dr.-Ing. Tamim Asfour, Karlsruhe Institute of Technology



# UNITING ROBOTICS PIONEERS FOR GLOBAL IMPACT



# SATURDAY 15 MARCH | 2025

Focus on  
**TALENT**

09:00 - 10:00 Room Paris, Level 2  
**Oral Session**



10:00 - 10:30 Room Paris, Level 2  
**Competitions and Challenges Panel**

**AI Robotics Competitions: Advancing Tech and Talent**  
Moderator: Prof. Dr. Oskar von Stryk, Technical University of Darmstadt

10:30 - 11:00  
**Coffee Break**

11:00 - 12:00 Atrium, Level 1 & 2  
**Interactive Session and Demos**



12:00 - 12:15 Room Paris, Level 2  
**Keynote**

**Sensing and Actuating Touch**  
Prof. Dr. Katherine J. Kuchenbecker, Max Planck Institute for Intelligent Systems

12:15 - 13:00 Room Paris, Level 2  
**Closing Panel**

Moderator: Prof. Dr.-Ing. Tamim Asfour, Karlsruhe Institute of Technology  
RIG Workpackage Leaders

13:00 - 14:00 Restaurant West, Level 1  
**Lunch**

14:00  
**End**

The program is subject to change

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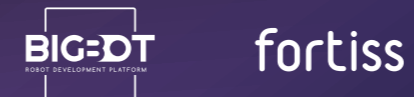
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# TRANSFORMING BOUNDARIES INTO BREAK- THROUGHS

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