



ROBOTICS AND AI

FIRST INNOVATION SEMINAR
(hybrid) hosted by
TOKYO TECH, RWTH Aachen,
JETRO

June 26, 2023

JETRO (Japan External Trade Organization) is pleased to co-host an innovation seminar with Tokyo Institute of Technology and RWTH Aachen University to promote international cooperation between the research institutes of both universities, startups and Japanese and European companies. This seminar will focus on Robotics and AI and present the latest research programs and related startups of both universities to promote industry-academia collaboration in Japan and Europe. An optional free tour of the related facilities at RWTH Aachen will be organized after the seminar. All companies, start-ups and VCs interested in industry-academia collaboration and innovation cooperation between Europe and Japan are invited to attend. Also all students, future entrepreneurs are welcome.

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<Seminar Outline>

- ◆Format: Hybrid (Onsite and online)
Onsite venue: Clayton Hotel Düsseldorf, Immermannstraße 41, 40210 Düsseldorf

- ◆Date: Monday, June 26th, 2023, 9:30-13:05* (CET) / 16:30-20:05 (JST)
*Registration will begin at 9:00 at the onsite venue, and a networking event will be held from 13:05-14:00.

- ◆Organizers: Tokyo Institute of Technology, RWTH Aachen University, JETRO
- ◆Supporters: Ministry of Economic Affairs, Industry, Climate Action and Energy of NRW,
Consul General of Japan in Düsseldorf, NRW.Global Business,
Digital Innovation Hub Düsseldorf/Rheinland, JIHK, ACATEC, AGIT, DJW,
City of Düsseldorf, IHK Düsseldorf

- ◆ Participation cost: Free
- ◆ Language, Slides and Speech: English
- ◆Registration: Please register by June 19 from below. The seminar at the real venue will be limited to 80 people, in principle on a first-come, first-served basis.

We will send you the URL for online participants approximately one week before the seminar.

<https://forms.office.com/r/v39PPwWPV7>

◆ Program (tentative; speakers and titles may be subject to change):

Time (CET) / (JST)



Register here!

【Opening remarks】

9:30-9:35 / 16:30-16:35

Dr. Kirsten Bender, Head of Department "Innovation and Markets", Ministry of Economic Affairs, Industry, Climate Action and Energy of NRW

9:35-9:40 / 16:35-16:40

Ms. Setsuko Kawahara, Consul General of Japan in Düsseldorf

9:40-9:45 / 16:40-16:45

"RWTH2030 – Knowledge. Impact. Networks."

Prof. Malte Brettel, Vice-Rector for Industry and Business Relations, [RWTH Aachen University](#)

【Keynote】

9:45-10:05 / 16:45-17:05

"Open Innovation Based on Industry-University Cooperation for Sustainable Society"

Prof. Nobuhiro Hayashi, Vice President for International Affairs, [Tokyo Institute of Technology](#)

10:05-10:25 / 17:05-17:25

"Open innovation as key enabler for industry-university cooperation"

Prof. Thomas Gries, Director of [Institute für Textiltechnik \(ITA\)](#), RWTH Aachen University

Member Steering Committee Profile Area ICT and National Plattform Industrie4.0

(Overview on RWTH Aachen University activities in Robotics and AI)

【Introduction of research programs and possible industry-university Cooperation】

10:25-10:45 / 17:25-17:45

"Redefining construction: unleashing the potential"

Prof. Katharina Klemm-Albert, Director of [Institute of Construction Management, Digital Engineering and Robotics in Construction \(ICoM\)](#), RWTH Aachen

10:45-11:05 / 17:45-18:05

"Framework and the Facts of the Research Collaboration between RWTH Aachen University and Tokyo Tech - Design Optimization of Industrial Robots"

Prof. Yukio Takeda, [School of Engineering](#), Tokyo Institute of Technology

11:05-11:25 / 18:05-18:25

"Human robot collaboration in production and construction scenarios – an overview"

Prof. Burkhard Corves, Director of [Institute of Mechanism Theory, Machine Dynamics and Robotics \(IGMR\)](#), RWTH Aachen university

Ms. Hannah Dammers, Head of Composite Production, [Institut für Textiltechnik \(ITA\)](#), RWTH Aachen university

【Break】

11:25-11:40 / 18:25-18:40

【Pitches of Japanese and German startups】

11:40-12:00 / 18:40-19:00 *15Min. Pitch + 5Min. Q&A

“Making the world a safer place with robotics”

Dr. Michele Guarnieri, CEO, [hibot](#)

12:00-12:20 / 19:00-19:20 *15Min. Pitch + 5Min. Q&A

“Designing the algorithm-aware neuromorphic hardware for edge AI applications”

Dr. Vikas Rana, Founder, [AiML Technology](#)

12:20-12:40 / 19:20-19:40 *15Min. Pitch + 5Min. Q&A

“Creating the future of walking assist systems together”

Prof. Yoshihiro Miyake, Vice President, [WALK-MATE LAB Co., Ltd.](#)

【Introduction of regional ecosystem】

12:40-12:50 / 19:40-19:50

“What makes Aachen so special? How companies benefit from the unique Eco Hub in Aachen”

Mr. Frank Leisten, M.A., Head of Inward Investment, [AGIT GmbH](#)

12:50-13:00 / 19:50-20:00

“Haneda Innovation City”

Mr. Yusuke Tonai, Chief of Industry and Economy Department, [Ota City, Tokyo](#)

【Closing remarks】

13:00-13:05 / 20:00-20:05

Mr. Dai Ueda, Director General, [JETRO Düsseldorf](#)

【Networking】

13:05-14:00

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<Tour Outline>

◆Date: Monday, June 26, 2023 14:00-19:00 * (CET)

*JETRO will arrange the bus transportation between the seminar venue Düsseldorf and RWTH Aachen.

**The facility tour itself is scheduled from 15:30 to 17:30.

◆Program: A visit to a facility related to Robotics & AI will be scheduled

◆Participation fee: Free (Only seminar participants can participate in the tour)

◆Language, Slides and Speech: English

◆Registration: Please apply by June 19th from the seminar application link. We will have a capacity for the tour, and it will be on a first-come, first-served basis. <https://forms.office.com/r/v39PPwWPV7>

◆Program (tentative)
Time (CET)



Register here!

14:00

Bus transfer from Düsseldorf to Aachen

15:30-16:15

Introduction to Collective Incubator and [ICoM](#) Tour

16:15-16:45

Bus transfer

16:45-17:30

Introduction to Profile Area Production Engineering and [Digital Capability Center \(DCC\)](#) Tour

17:30-19:00

End of tour, return to Düsseldorf

◆Contact:

JETRO Düsseldorf (Sakuyama, Fujiwara, Masuzawa, Tamura) TCD@jetro.go.jp