

ROBOTICS AND AI OF THE FUTURE

AI.Society

- 27.–30.06.23 Messe München,
Hall B4, Booth 329
- Four theme worlds: Health, Work,
Environment and Mobility
- Up to 35 demo teams of the Technical University
of Munich and domestic start-ups
- Live prototypes and insights of their
most prestigious AI projects

Turning ideas into solutions.

MUNICH_I

munich_i is a unique worldwide project by the trade fair automatica and the MIRMI of TUM. The hightech platform munich_i acts as a stage for the most acclaimed pioneers and their ideas.

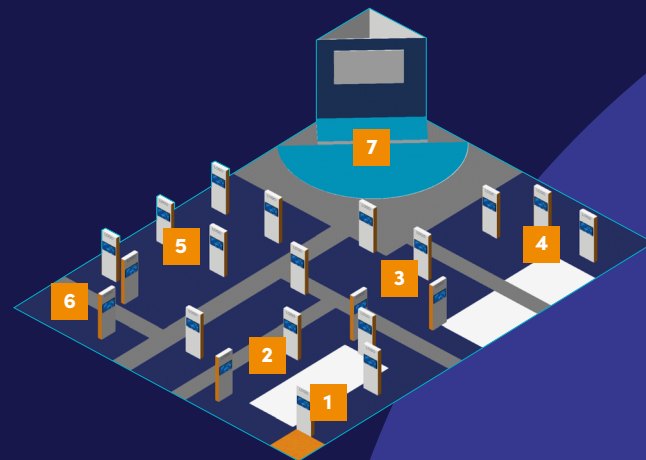
AI.SOCIETY

The AI.Society special show has 35 prototypes and presents exciting lighthouse and research projects by start-ups and TUM in alignment with the four pivotal fields of work, health, mobility and environment.

I_SPACE

i_space stage offers a variety of different interesting panel talks about AI, research, development and ethical subjects and the presenting demo teams provide exciting insights. Highlights include the munich_i opening speech by Minister President Dr. Markus Söder and Minister of State Markus Blume on June 27 at 15:30.

Exhibition map of the future.



- 1** INFO DESK
- 2** WORK – KI-FABRIK
- 3** WORK
- 4** MOBILITY
- 5** HEALTH
- 6** ENVIRONMENT
- 7** I_SPACE



CURIOUS? JOIN A GUIDED TOUR!

The Tour starts 2x per day for each sector. Find all details on registration and start at the Information counter of MIRMI/TUM.

AI.Society Timetable

JUNE 27 – WORK

TIME	I_SPACE STAGE	GUIDED TOURS
9:00		9:00–10:15 Work
10:00	9:30–12:20 Demo Pitches: Work	10:00–10:45 Environment/ Mobility
	Mimetik – Smart workers for Smart factories	
	Impact-Aware Manipulation: Exploiting Intentional Collisions to Speed up Manipulation in Robotics	10:30–11:15 Health
11:00	Dynamic Agile Production Robots that Learn and Optimise Knowledge and Operations (DARKO)	
	Mobile dual arm manipulation	
12:00	Hydrabyte: Accelerate Multi-Robot Movement Planning up to Real Time	
	Pioneering AI-Enabled, ROS-Native and Software-Defined Robot Hardware	
	Why new products fail and how industry 4.0 failed on us	
	12:30–13:00 KI.Fabrik midterm event	
	A Holistic Digital Twin for Production	
13:00	13:00–13:30 KI.Fabrik midterm event	
	The Role of Network Architecture for High Quality Communication in AI-based and distributed Production Systems	
14:00	13:30–14:00 KI.Fabrik midterm event	14:00–14:45 KI.Fabrik
	The role of AI in Production-as-a-Service Factories	
	14:15–15:00 KI.Fabrik Panel Talk	14:30–15:15 Environment/ Mobility
	with State Secretary Roland Weigert	
	KI.Fabrik Bayern: Künstlicher Zwilling für mehr Effizienz, Nachvollziehbarkeit von und Vertrauen in KI? (DE)	
15:00	15:30–16:00 Opening Speech	15:00–15:45 Health
	with Minister President Dr. Markus Söder and State Minister Markus Blume (DE)	

JUNE 28 – HEALTH / ETHICS

TIME	I_SPACE STAGE	GUIDED TOURS
9:00		9:30–10:15 Health
10:00	10:00–11:50 Demo Pitches: Health	10:00–10:45 Work
	How Robots Learn from a Human Expert	
	AURORA and SASHA-OR: Robotic OR Nurses	10:30–11:15 Environment/ Mobility
	Immersive and Myoelectrically Controlled Virtual Reality-based Mirror Therapy	
11:00	Interacting with Spill-Free Robots	11:00–11:45 KI.Fabrik
	Novel Perspectives for the Design and Control of Intelligent Bionic Limbs	
13:00	12:45–13:30 OneMunich Panel Talk	
	Trustworthiness of Human-Centered Robotics and AI	
	13:45–14:30 robo.innovate Panel Talk	
	Start-ups and industry partners: How can cooperation succeed	
14:00	14:45–15:30 Ethics Round Table	14:00–14:45 Health
	with Prof. Alena Buyx	
	Poly crisis vs. poly chances – sustainability of our AI & robotics solutions	
15:00	15:45–16:30 baiosphere Panel Talk	15:00–15:45 Work
	with Prof. Alena Buyx	
	The Future of AI in Health – less Paperwork, more Time for the Patient!	
16:00		16:15–17:00 Environment/ Mobility

JUNE 29 – ENVIRONMENT

TIME	I_SPACE STAGE	GUIDED TOURS
9:00		9:30–10:15 Environment/ Mobility
10:00	10:00–10:45 Robothon® Grand Challenge: Finalists Presentation	10:00–10:45 Health
		10:30–11:15 Work
11:00	11:00 – 11:15 Sponsor Presentation: accenture	11:00–11:45 KI.Fabrik
12:00	12:00–12:20 Demo Pitches: Environment	
	Small autonomous cargo ships as enabler for smart and green transport chains	
13:00	13:30–14:00 Robothon® Insights Panel Talk	
	Our aim towards transferring competition results to industry solutions	
14:00	14:15–15:00 Robothon® Award Ceremony	
	with State Minister Judith Gerlach	
15:00	15:30–16:15 OneMunich Panel Talk	15:00–15:45 Environment/ Mobility
	Applying Human-Centered Robotics and AI in Real Life	
		15:30–16:15 Health
		16:00–16:45 Work
16:00		16:15–17:00 KI.Fabrik

JUNE 30 – MOBILITY

TIME	I_SPACE STAGE	GUIDED TOURS
9:00		9:30–10:15 Environment/ Mobility
10:00	10:15–10:45 Your Future Panel Talk	10:00–10:45 Work
	with State Minister Prof. Dr. Michael Piazzolo	
	Vom Absolventen in den Beruf – Werdegang und Chancen im Bereich KI und Robotik (DE)	
		10:30–11:15 Health
11:00	11:00–12:50 Demo Pitches: Mobility	
	Next-generation autonomous driving with Mapless Autonomy	
	Autonomous Driving@Bavaria	
	The next step in automotive electric motors	
	Advances in Aerial Robotics	
13:00	13:30–14:00 Tech4Bavaria: Finalists' Presentation	13:30–14:15 Environment/ Mobility
	Human Centered Automation Challenge 2023	
14:00		14:00–14:45 Work
		14:30–15:15 Health
15:00	15:00–15:30 Tech4Bavaria: Award Ceremony	

Sponsored by:

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More info:

