

22.06.2021

BEGINN	ENDE	SPRECHER	THEMA
09.00	09.10	Falk Senger, Prof. Dr. Alena Buyx und Prof. Dr.-Ing. Sami Haddadin	Begrüßung
09.10	09.26	Ministerpräsident Dr. Markus Söder	Begrüßung und Eröffnung
09.26	09.44	TUM-Präsident Prof. Dr. Thomas F. Hoffmann	Impulsrede
		Prof. Dr. Ruth Müller	Vorstellung Session ASSISTING THE HUMAN
09.44	10.02	Dr. Reinhard Ploss	From factory automation to Smart Helpers – Enabling solutions for the major challenges of our time with electronics for robotics and AI
10.02	10.20	Prof. Dr. Marco Hutter	Learning to Walk
10.20	10.38	Prof. Dr. Achim Josef Lilienthal	Logistic Operations with Human Workers and Autonomous Forklifts through Automatic Deployment
10.38	11.00	Prof. Carme Torras	Assistive robotics: AI challenges, ethics and dreams
11.00	11.15		PAUSE
		Prof. Dr. rer. nat. Edward G. Krubasik	Vorstellung Session CONNECTED WORLD
11.15	11.38	Dr. Hannes Ametsreiter	Germany after Corona: How the digitization push continues
11.38	11.56	Gurdeep Singh Pall	Towards an open ecosystem for Autonomous Things
11.56	12.14	Jim Tung	Pragmatic Digital Transformation
12.14	12.32	Prof. Dr. Jürgen Grotepass	SmartFactory Updates – With AI and 5G to autonomous production levels in manufacturing
12.32	12.51	Dr. Shaffiq Jaffer	Imperative for Systems Engineering to Address Energy Demand and Climate Implications
12.51	13.30	Staatsministerin Judith Gerlach, Prof. Dr. Jürgen Grotepass, Prof. Dr.-Ing. Sami Haddadin und Prof. Dr. Gerhard Hirzinger	ROBOTHON® – THE GRAND CHALLENGE 2021 Preisverleihung
13.30	14.05		MITTAGSPAUSE
		Prof. Dr. Alin Albu-Schäffer	Vorstellung Session BEYOND HUMAN SPACES
14.05	14.29	Prof. Antonio Bicchi	From Robots in Emergency to Robots in Everyday Life
14.29	14.47	Prof. Dr. Davide Scaramuzza	Autonomous, Agile Micro Drones
14.47	15.05	Prof. Dr.-Ing. Jessica Burgner-Kahrs	Rethinking Robotics – Worms, tongues, and elephant trunks
15.05	15.23	Prof. Dr. Sethu Vijayakumar	Shared Autonomy: The Future of Interactive Robotics
15.23	15.43	Prof. Dr. Roland Siegwart	Pioneering Flying Robots

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		Prof. Dr.-Ing. Eckehard Steinbach	Vorstellung Session BUILDING INTELLIGENCE
15.43	16.04	Prof. Dr. Patrick van der Smagt	Artificial Intelligence: what's next?
16.04	16.22	Prof. Jeannette Bohg	On the great puzzle of autonomous robotic manipulation and how to solve it
16.22	16.40	Prof. Dieter Fox	Using Deep Learning and Simulation to Teach Robots Manipulation in Complex Environments
16.40	17.02	Dr. Alessandro Curioni	Accelerating Discovery with Bits, Neurons and Qubits
17.02	17.17		PAUSE
		Prof. Dr. Ir. Daniel J. Rixen	Vorstellung Session INTERACTION OF HUMANS AND ROBOTS
17.17	17.41	Emeritus senior researcher PhD Jean-Paul Laumond	Robotics: the science of motion
17.41	17.59	Prof. Leila Takayama	Human-centered approaches to designing robotic systems
17.59	18.17	Prof. Yoshihiko Nakamura	Personal Digital Twin and Human Motion Data Science
18.17	18.35	Prof. Dr. Eng. Abderrahmane Kheddar	Humanoid robotics in manufacturing, services and science
18.35	18.54	Prof. Oussama Khatib	The Era of Human-Robot Collaboration: Deep Sea Exploration
18.54	19.07	Prof. Dr. Alena Buyx und Prof. Dr.-Ing. Sami Haddadin	Zusammenfassung und Schlussworte

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START	ENDE	CEO ROUND TABLE	TOPIC
		Moderation: Ken Fouhy	AI - TRANSFORMATIVE POWER FOR INDUSTRIAL ROBOTICS
13.00	14.00	Peter Mohnen CEO KUKA Kim Povlsen CEO Universal Robots Marcus Mead President Robotics YASKAWA Europe Ralf Winkelmann Managing Director FANUC Deutschland GmbH Prof. Haddadin Direktor der Munich School of Robotics and Machine Intelligence	