

Overall Agenda

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■ Company Session
 ■ Supporting Program
 ■ munich_i AI.Society
 ■ munich_i Summit

As of June 23, 2021

22.06.2021				
START	END	🌐	TOPIC	SPEAKER / PARTICIPANTS / COMPANYY
09:00	09:29	en	munich_i Summit Opening Welcome to the future	Dr. Markus Söder Bavarian Minister President, Falk Senger Managing Director Messe München, Prof. Dr. Alena Buyx Director of the Institute for History and Ethics of Medicine TUM, Prof. Dr.-Ing. Sami Haddadin Director Munich School of Robotics and Machine Intelligence TUM, Prof. Dr. Thomas F. Hofmann President of the Technical University of Munich (TUM)
09:29	09:58	en	Single lecture From factory automation to Smart Helpers – Enabling solutions for the major challenges of our time with electronics for robotics and AI	Dr. Reinhard Ploss CEO Infineon Technologies (Germany)
09:58	10:18	en	Single lecture Learning to Walk	Prof. Dr. Marco Hutter ETH Zürich (Switzerland)
10:18	10:36	en	Single lecture Logistic Operations with Human Workers and Autonomous Forklifts through Automatic Deployment	Prof. Dr. Achim Josef Lilienthal University of Örebro (Sweden)
10:30	10:50	en	Single lecture Production in transformation – tomorrow's solutions with us today	Schaeffler Technologies AG & Co KG
10:36	10:58	en	Single lecture Assistive robotics: AI challenges, ethics and dreams	Prof. Carme Torras Institut de Robòtica i Informàtica Industrial (Spain)
11:00	11:20	de	Live-Demonstration Neue Einsatzmöglichkeiten für das automatisierte Engraten, Schleifen und Polieren mit dem Roboter	SCHUNK GmbH & Co. KG
11:18	11:36	en	Single lecture 5G – booster for the smart factory	Dr. Hannes Ametsreiter CEO Vodafone (Germany)
11:30	11:50	en	Panel Discussion Stäubli Robotics Management Talk	Gerald Vogt CEO Stäubli, Christophe Coulongeat Group Division Manager Stäubli Robotics, Peter Pühringer General Manager Stäubli Robotics Germany, Günter Heinendirk Training Manager Stäubli Robotics Germany
11:36	11:54	en	Single lecture Towards an open ecosystem for Autonomous Things	Gurdeep Singh Pall Corporate Vice President Microsoft Corp (USA)
11:54	12:12	en	Single lecture Pragmatic Digital Transformation	Jim Tung MathWorks Fellow (USA)
12:00	12:20	en	Live-Demonstration The VDMA OPC UA Robotics + Automation Demonstrator: Interoperability and the Digital Twin becomes reality	VDMA e.V. Robotik+Automation
12:12	12:30	en	Single lecture SmartFactory Updates – With AI and 5G to autonomous production levels in manufacturing	Prof. Dr. Jürgen Grotepass CSO Manufacturing Huawei (Germany)

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12:30	12:49	en	Single lecture Imperative for Systems Engineering to Address Energy Demand and Climate Implications	Dr. Shaffiq Jaffer Corporate Vice President Total (USA)
12:49	13:33		Award Ceremony ROBOTHON® – THE GRAND CHALLENGE 2021	Judith Gerlach Bavarian Minister of State for Digital Affairs, Prof. Dr. Jürgen Grotepass CSO Manufacturing Huawei (Germany), Prof. Dr.-Ing. Sami Haddadin Director Munich School of Robotics and Machine Intelligence TUM, Prof. Dr. Gerhard Hirzinger Honorary Professor at TUM, Dr. Georg von Wichert Siemens AG, Head of Director Autonomous Systems and Control, Prof. Dr.-Ing. Tamim Asfour Director H ² T of Karlsruhe Institute of Technology (KIT), Prof. Dr. Patrick van der Smagt ML Research Lab Volkswagen, Peter So Technical Leader Robothon MSR TUM
13:00	13:20	de	Live-Demonstration Digital Advanced Automation Case Study: Wie Sie Ihre Produktion mit intelligenten und digitalen Automatisierungstechnologien weltweit optimieren.	HAHN Group
13:30	13:50	de	Live-Demonstration Kollaborative Leichtbaurobotik – Einfacher Einstieg für jeden in die Automatisierung	FANUC Deutschland GmbH
14:00	14:20	de	Single lecture Die neuen ABB-Cobots – Fakten, Features, Möglichkeiten	ABB Automation GmbH
14:03	14:29	en	Single lecture From Robots in Emergency to Robots in Everyday Life	Prof. Antonio Bicchi University of Pisa (Italy)
14:28	14:45	en	Single lecture Autonomous, Agile Micro Drones	Prof. Dr. Davide Scaramuzza University of Zurich (Switzerland)
14:30	14:50	en	Single lecture Merge ToF depth and 2D color data for 3D robot perception	Basler AG
14:45	15:03	en	Single lecture Rethinking Robotics – Worms, tongues, and elephant trunks	Prof. Dr.-Ing. Jessica Burgner-Kahrs University of Toronto (Canada)
15:00	15:20	en	Single lecture Staubli WFT AGVs – We move your business	Stäubli Tec Systems GmbH Robotics
15:03	15:21	en	Single lecture Shared Autonomy: The Future of Interactive Robotics	Prof. Dr. Sethu Vijayakumar University of Edinburgh (Great Britain)
15:21	15:41	en	Single lecture Pioneering Flying Robots	Prof. Dr. Roland Siegwart ETH Zürich (Switzerland)

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15:30	15:50	en	Single lecture Your preferred Partner for Assembly: getting your Product to Market with IMA Automation advanced technology solutions	IMA SPA Unipersonale
15:41	16:01	en	Single lecture Artificial Intelligence: what's next?	Prof. Dr. Patrick van der Smagt ML Research Lab Volkswagen AG (Germany)
16:00	16:20	de	Single lecture Elektrische Automation trifft Digitalisierung	Festo Vertrieb GmbH & Co. KG
16:01	16:19	en	Single lecture On the great puzzle of autonomous robotic manipulation and how to solve it	Prof. Jeannette Bohg Stanford University (USA)
16:19	16:37	en	Single lecture Using Deep Learning and Simulation to Teach Robots Manipulation in Complex Environments	Prof. Dieter Fox University of Washington Nvidia Research (USA)
16:30	16:50	de	Single lecture 500.000 Roboter – Was machen diese heute? Nutzen Sie unsere Erfahrung zu Ihrem Vorteil	YASKAWA Europe GmbH
16:37	17:00	en	Single lecture Accelerating Discovery with Bits, Neurons and Qubits	Dr. Alessandro Curioni IBM Fellow (Switzerland)
17:14	17:38	en	Single lecture Robotics: the science of motion	PhD Jean-Paul Laumond Emeritus senior researcher INRIS (France)
17:38	17:56	en	Single lecture Human-centered approaches to designing robotic systems	Prof. Leila Takayama University of California (USA)
17:56	18:14	en	Single lecture Personal Digital Twin and Human Motion Data Science	Prof. Yoshihiko Nakamura University of Tokyo (Japan)
18:14	18:33	en	Single lecture Humanoid robotics in manufacturing, services and science	Prof. Dr. Eng. Abderrahmane Khedda LIRMM (France)
18:33	18:51	en	Single lecture The Era of Human-Robot Collaboration: Deep Sea Exploration	Prof. Oussama Khatib Stanford University (USA)
18:51	19:04	en	munich_i Summit Conclusion Summary and closing address	Prof. Dr. Alena Buyx Director of the Institute for History and Ethics of Medicine TUM, Prof. Dr.-Ing. Sami Haddadin Director Munich School of Robotics and Machine Intelligence TUM

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09:00	09:20	de	Panel Discussion be.ELECTRIFIED by KUKA automation	Gerald Mies KUKA Systems GmbH, Timo Heil KUKA Assembly & Test GmbH, Wolfgang Meisen KUKA AG
09:30	09:50	en	Single lecture IT/OT Integrated Robotic Automation	WIPRO Ltd.
10:00	10:40	de	Panel Discussion 5G, W-Lan und mehr: Drahtlose Kommunikation für die Smart Factory	Dr. Miriam Solera Urena VDMA-Expertin für 5G und Wireless Communication, Tom Richter Global Head of Discrete and Process Manufacturing Vertical, Nokia, Eike Lyczkowski Fachkreis Funk und Navigation bei SEW-Eurodrive Moderation: Claus Wilk Chefredakteur Produktion, Verlag moderne industrie
10:00	11:30	de	Panel Discussion Grundsteinlegung KI.FABRIK Bayern	Hubert Aiwanger Bayerischer Staatsminister für Wirtschaft, Landesentwicklung und Energie, Bernd Sibler Bayerischer Staatsminister für Wissenschaft und Kunst, Prof. Dr. rer. nat. Wolfgang M. Heckl Generaldirektor Deutsches Museum; Oskar von Miller TUM, Prof. Dr. Thomas F. Hofmann Präsident der Technischen Universität München (TUM), Prof. Dr.-Ing. Sami Haddadin Direktor Munich School of Robotics and Machine Intelligence (MSRM) TUM, Prof. Dr. Klaus Bengler Projektleiter Verbundprojekt KI.FABRIK Bayern FUE TUM Moderation: Dr. Maria Danninger MSRM TUM Chief of Innovation
10:00	10:20	en	Live-Demonstration Human Digital Twin and GARMI: Shaping the future of telemedicine	Technical University of Munich
10:30	10:50	en	Single lecture MVTec's Deep Learning Spectrum	MVTec Software GmbH
10:30	10:50	en	Live-Demonstration LOLA – Electrically Actuated Humanoid Robot	Technical University of Munich
11:00	11:20	en	Live-Demonstration Simple, smart, scalable automation	Epson Europe B.V.
11:00	11:20	en	Live-Demonstration KIVI – Condition Monitoring of Industrial Robots	Technical University of Munich
11:30	11:50	en	Single lecture 500.000 Robots – How are they doing today? Turn our Experience into your Gain	YASKAWA Europe GmbH
11:30	11:50	en	Live-Demonstration External Stabilization of Robot Manipulators	Technical University of Munich
12:00	12:20	de	Live-Demonstration Der VDMA OPC UA Robotik + Automation Demonstrator: Interoperabilität und der Digitale Zwilling werden Realität	VDMA e.V. Robotik+Automation

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12:00	13:15	en	Panel Discussion Applying AI – How to create responsible technological innovations that promote wellbeing	Bernd Sibler Bavarian Minister of State for Science and the Arts; MdL, Dr. Elisabeth Jensen Senior Scientist MSRM TUM, Andrea Martin IBM Distinguished Engineer; Head of IBM Watson Center Munich & EMEA Client Centers; Member of the Bavarian AI-Council, Dr. Michael Würtenberger Vice President Business Line My Journey; Connected Company Development; Technical Operations at BMW Group; Member of the Bavarian AI-Council, Prof. Dr. rer. nat. Wolfgang M. Heckl General Director Deutsches Museum; Oskar von Miller Chair TUM Moderation: Prof. Alena Buyx Director of the Institute for History and Ethics of Medicine TUM; Chairwoman of the German Ethics Council; Member of the Bavarian AI-Council
12:00	12:20	en	Live-Demonstration David – Robust Humanoid Robot	Deutsches Zentrum für Luft- und Raumfahrt (DLR)
12:30	12:50	en	Live-Demonstration SAINT bin picking robot	Technical University of Munich
13:00	13:20	de	Live-Demonstration Innovative Automatisierungslösungen im Bereich E-Mobility	SCHUNK GmbH & Co. KG
13:00	13:20	en	Live-Demonstration Collective Learning	Technical University of Munich
13:00	14:00	en	Panel Discussion munich_i CEO Roundtable: AI – Transformative Power for Industrial Robotics	Klaus König CEO KUKA Robotics, Kim Povlsen CEO Universal Robots, Marcus Mead President Robotics YASKAWA Europe, Ralf Winkelmann Managing Director FANUC Deutschland GmbH, Prof. Dr.-Ing. Sami Haddadin Director Munich School of Robotics and Machine Intelligence TUM Moderation: Ken Fouhy Chief Editor VDI nachrichten
13:30	13:50	en	Single lecture OPC UA brings AI vision to the factory floor	IDS Imaging Development Systems GmbH
14:00	14:20	en	Single lecture High-tech production solutions for growth markets – Automotive, Electronics and Medical Technology	Manz AG
14:00	14:20	en	Live-Demonstration Research insights in the field of knee injury prevention at SPGM	Technical University of Munich
14:30	14:50	en	Live-Demonstration Intelligent Robotic Sonographer	Technical University of Munich
14:30	14:50	de	Panel Discussion Nachhaltig, regional, automatisiert: Wie Automobilzulieferer mit Robotik Klimaziele erreichen können	Dr. Joachim Doehner KUKA Systems GmbH, Siegfried Heissler KUKA Deutschland GmbH, Dominik Haas KUKA CEE GmbH, Sebastian Schuster KUKA Deutschland GmbH
15:00	15:20	en	Single lecture Innovation in electric actuation: unlocking new opportunities for machine builders and end users	Komp-Act

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15:00	15:20	en	Live-Demonstration How an Emectronics Operating System speeds up your time to market	Luminovo
15:30	15:50	en	Single lecture From product ideas to robotic healthcare solutions	ITK Engineering GmbH
15:30	15:50	en	Live-Demonstration Realtime 3D Perception for Autonomous Navigation and Manipulation	Pandia 3D
16:00	16:20	en	Live-Demonstration Enterprise-grade AMR Fleet Control Software to Maximize your ROI	Otto Motors
16:00	16:40	de	Panel Discussion VDMA R+A Roboter im Mittelstand: Es lohnt sich!	Andrea Alboni General Manager Western Europe Universal Robots, Julian Link Channel Manager fruitcore robotics, Martin Bender Geschäftsführer Bender & Wirth Moderation: Armin Barnitzke Chefredakteur Automationspraxis
16:00	16:20	en	Live-Demonstration Eyes and Brains for Your Robot	Roboception GmbH
16:30	16:50	en	Live-Demonstration Camera-based sensors and grasping	Visevi Robotics
17:00	17:20	en	Live-Demonstration Enabling Automation for All	Franka Emika GmbH
17:30	17:50	en	Live-Demonstration Motion Design for Human Aware Robots	Technical University of Munich

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09:00	09:20	de	Panel Discussion Von der Anlieferung bis zur Auslieferung – und darüber hinaus: Wie die Produktionsketten der Lebensmittel-, Getränke-, Pharmazeutika- und Konsumgüterindustrie von holistischer Automatisierung profitieren	Sevil Davarci KUKA Deutschland GmbH, Michael Fraede Weiss Group, Tanguy Lyvinec KUKA Automatismes Robotique S.A.S., Sebastian Schuster KUKA Deutschland GmbH
09:30	09:50	en	Single lecture Automation without barriers – Connecting human ingenuity with advanced technology	Universal Robots AVS
10:00	10:20	de	Live-Demonstration Die Produktion der Zukunft: Inores bin-Picking Stationen mit Produktionspuffer	Inores GmbH
10:00	10:40	en	Panel Discussion Machine Vision in the Smart Factory – New Applications and Trends	Christoph Hildebrandt Manager Machine Vision and Non-Destructive Testing Schaeffler Technologies, Dr. Dietmar Ley CEO Basler, Olaf Munkelt Managing Director MVTec, Dr. Holger Wirth Vice President Research and Development ISRA VISION Moderation: Dr.-Ing. Peter Ebert Chief Editor inVISION
10:00	10:20	en	Live-Demonstration Soft Exoskeleton	Technical University of Munich
10:30	10:50	de	Live-Demonstration Produktivität für alle Roboter und Traglasten	Stäubli Tec Systems GmbH Connectors
10:30	10:50	en	Live-Demonstration Future of Workshop	Technical University of Munich
11:00	11:20	en	Single lecture SIMATIC Technology for Kinematics	Siemens AG
11:00	11:20	en	Live-Demonstration Magic Mirror – Augmented Anatomy Learning	Technical University of Munich
11:30	11:50	de	Single lecture 500.000 Roboter – Was machen diese heute? Nutzen Sie unsere Erfahrung zu Ihrem Vorteil	YASKAWA Europe GmbH
11:30	11:50	en	Live-Demonstration 3D-printed Medical Robots and Assistance Systems	Technical University of Munich
12:00	12:20	en	Live-Demonstration The VDMA OPC UA Robotics + Automation Demonstrator: Interoperability and the Digital Twin becomes reality	VDMA e.V. Robotik+Automation
12:00	12:20	en	Live-Demonstration Lightweight Myoelectric Interface for Hand Prostheses	Technical University of Munich

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12:30	12:50	en	Live-Demonstration future.meets.logistics.	Technical University of Munich
13:00	13:20	de	Live-Demonstration SCHUNK LIFE SCIENCE – Komponenten und Lösungen für die Medizintechnik und Laborautomatisierung	SCHUNK GmbH & Co. KG
13:00	13:20	en	Live-Demonstration State-of-the-art intelligent robots for warehouse logistics	ILIAD EU-project (Örebro University, University of Pisa, TUM)
14:00	14:20	de	Single lecture Wie hilft die Verwaltungsschale als Digitaler Zwilling im Umfeld automatisierter Fertigung? – Praxisbericht aus Sicht eines Softwaredienstleisters	XITASO GmbH
14:30	14:50	de	Single lecture Ease-of-Use bei der Automatisierung. Einfach: HORST	fruitcore robotics GmbH
15:00	15:20	en	Single lecture Digitalization of inter-process transfer	Yamaha Motor Europe N.V.