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## Press Release

Premiere from December 8 to 11 at automatica in Munich

### **automatica and Munich School of Robotics and Machine Intelligence (MSRM) initiate AI platform munich\_i.**

Bernhard Krause  
Brand Manager  
Tel. + 49 89 94921484  
[Bernhard.krause@messe-muenchen.de](mailto:Bernhard.krause@messe-muenchen.de)

- High-tech summit and interactive offers demonstrate the future role of AI and robotics for health, work, mobility
- Internationally leading personalities from AI and robotics are driving forward responsible technological change in society
- munich\_i Director Prof. Dr. Sami Haddadin: "Artificial intelligence and robotics are on the verge of a technological quantum leap."

**automatica, the leading international trade fair for intelligent automation and robotics, and the Munich School of Robotics and Machine Intelligence (MSRM) of the Technical University of Munich (TUM) are jointly creating a new and globally unique AI platform: munich\_i will provide answers to economically and socially pressing questions such as: How can artificial intelligence make work safer and more productive? How can AI be used today for challenges in health or mobility? At the heart of munich\_i is a high-tech summit on December 8. Other elements during the entire duration of the exhibition are the special show AI Society, the elite next-generation competition Robothon® and the "robot driver's license" for communicating the general principles. The patron of munich\_i is the Bavarian Minister President Dr. Markus Söder.**

The globally unique high-tech format of automatica, MSRM and TUM brings together leading international personalities from AI and robotics in Munich. Mission of the joint project: Promoting responsible technological change that puts people at the center of attention. munich\_i provides a stage for the ideas of well-known pioneers and unconventional thinkers,

Messe München GmbH  
Messegelände  
81823 München  
Germany  
[messe-muenchen.de](http://messe-muenchen.de)

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and promotes knowledge transfer and collaboration. This is where science, business, politics and society are successfully networked.

munich\_i will be at the center of the high-tech summit on December 8, the first exhibition day of automatica, which will include international figures such as Prof. Oussama Khatib, Director of Stanford Robotics Lab, Dr. Alessandro Curioni, Director of IBM Research Lab, Prof. Dieter Fox, Department of Computer Science & Engineering at University of Washington, Prof. Carme Torras, Research Professor at the Institute de Robòtica i Informàtica Industrial Barcelona, and CEO of Infineon Technologies AG Dr. Reinhard Ploss. The Summit will address business leaders and managers responsible for production, research and development, technology and digital transformation. At munich\_i, you will receive reliable and roadmap-compatible guidance about which technologies will become relevant in the future and which industry standards will prevail. In other words, which areas and topics will change the business models and must already be included in the strategies of companies today.

### **Why munich\_i?**

munich\_i Director Prof. Dr. Sami Haddadin wants to provide answers to the most urgent questions of society with munich\_i: “Artificial intelligence and robotics are on the verge of a technological quantum leap. munich\_i presents international thought leaders from research, technology and industry, who place humans at the center of their work and thus change our lives in the future in a sustainable manner.” In addition, the new platform will help to expand Munich's high-tech location into a global center for AI.

For Falk Senger, Managing Director of Messe München, the new AI platform will make automatica more relevant to society:

”With the premiere of munich\_i, new topics are opening up for automatica. Together, we are initiating a debate on the benefits of technology as a

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human aid in the relevant areas of health, work and mobility. With munich\_i, we are simultaneously bringing together in Munich what belongs to each other and complements each other ideally – on the one hand, automatica as a driving force for AI and robotics, and on the other hand, MSRM as Europe's leading deep tech forge.”

Prof. Alena Buyx, who is also the Director of munich\_i, emphasizes the social relevance of artificial intelligence: “Rather sooner than later AI will permeate our everyday lives, but it also brings with it a number of important challenges. Therefore it must be built with ethics in mind. At TUM, we develop ways to integrate ethical and social considerations into the development process, directly and from the very beginning.

Dr. Reinhard Ploss, CEO of Infineon Technologies AG and one of the speakers of the High-Tech Summit on December 8, also points out the great importance of new technologies in meeting the major societal challenges of the future: “Serving the needs of a growing world population while reducing the impact on the environment requires new approaches. Digitalization, including Artificial Intelligence and collaborative robotics, are key to a more convenient and sustainable way of life. They allow for higher levels of productivity and help to reduce physical stress and improve the quality of life for humans. Infineon is helping to make these applications more productive, robust, energy-efficient and trustworthy with advanced semiconductor technology.

**Additional offerings: AI.Society, Robothon® & Robot Driver's License**

In addition to the high-tech summit on December 8, munich\_i will provide additional high-profile offers dealing with artificial intelligence and robotics during the automatica trade fair from December 8 to 11, 2020.

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- **AI.Society:** On more than 1,000 square meters, trade fair visitors will learn about the pioneering AI initiatives of MSRM/TUM and selected start-ups, which will become a reality tomorrow in health, work and mobility.
- **Robothon®:** In a multi-day competition, the international academic elite of the next generation will develop solutions based on a uniform AI and robotics platform and consequently demonstrate their skills.
- **Robot Driving License:** Trade fair visitors will have the opportunity to learn the basics of the collaboration between humans and robots in hands-on encounters.

More information can be found at <https://automatica-munich.com/en/supporting-program/congress/munich-i-summit/>

#### **About automatica**

automatica is the world's leading marketplace for automated, intelligent production. It is the trend-setting event for companies from all sectors of industry and provides them with access to innovations, knowledge and trends with high business relevance. automatica supports and structures the transformation of industrial production: from automated to autonomous production. Messe München GmbH and VDMA Robotics + Automation, conceptual sponsor of the trade fair, are behind the industry-driven concept of automatica. The fair usually takes place in Munich in June every two years. In 2020, due to the corona pandemic, automatica was moved to December 8-11.

#### **Messe München**

Messe München is one of the leading exhibition organizers worldwide with more than 50 of its own trade shows for capital goods, consumer goods and new technologies. Every year, more than 50,000 exhibitors and about three million visitors take part in more than 200 events at the exhibition center in Munich, the ICM - Internationales Congress Center München, the MOC Veranstaltungszentrum München, the Conference Center Nord as well as abroad. Together with its subsidiary companies, Messe München organizes trade fairs in China, India, Brazil, Russia, Turkey, South Africa, Nigeria, Vietnam and Iran. With a network of affiliated companies in Europe, Asia, Africa and South America, and about 70 foreign representatives covering more than 100 countries, Messe München has a global presence.

#### **About MSRM:**

The Munich School of Robotics and Machine Intelligence (MSRM) at the Technical University of Munich is an integrative research center. Its purpose is to research the fundamentals of robotics, perception and artificial intelligence in order to develop technological solutions in the fields of healthcare, work and mobility. This will include, for example, adaptive and networked robot assistants for the industry of the future, autonomous airborne and ground-based robot teams for future mobility, medical nanobots and robot assistants for autonomous living in old age.

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**About TUM:**

The Technical University of Munich (TUM) is one of Europe's leading research universities, with around 600 professors, 43,000 students, and 10,000 academic and non-academic staff. Its focus areas are the engineering sciences, natural sciences, life sciences and medicine, combined with economic and social sciences. TUM acts as an entrepreneurial university that promotes talents and creates value for society. In that it profits from having strong partners in science and industry. It is represented worldwide with the TUM Asia campus in Singapore as well as offices in Beijing, Brussels, Cairo, Mumbai, San Francisco, and São Paulo. Nobel Prize winners and inventors such as Rudolf Diesel, Carl von Linde, and Rudolf Mößbauer have done research at TUM. In 2006, 2012, and 2019 it won recognition as a German "Excellence University." In international rankings, TUM regularly places among the best universities in Germany.