

MEDIA RELEASE

For Immediate Release

TUM Asia launches inaugural Industrie 4.0 research symposium with A*STAR and DAAD

Singapore, 3 November 2016 – To engage in a deeper understanding of the European Industrie 4.0 Revolution, and its impact on Singapore and its Smart Nation initiative, the Technical University of Munich Asia (TUM Asia), together with the Agency for Science, Technology and Research (A*STAR) and the German Academic Exchange Service (DAAD) launched the inaugural “INDUSTRIE 4.0: Towards the Future of Manufacturing” research symposium at Fusionopolis on Tuesday, 1 November 2016. The 1.5-day symposium, jointly supported by the Embassy of the Federal Republic of Germany, saw over 200 participants from 65 organisations and institutions.

Speaking at the keynote sessions were Prof. Dr.-Ing. Birgit Vogel-Heuser, Head of Chair and Director of Institute, Chair of Automation and Information Systems, Department of Mechanical Engineering, Technical University of Munich, as well as Dr. David Low, Chief Executive Officer, Advanced Remanufacturing and Technology Centre (ARTC), Agency for Science, Technology and Research (A*STAR). Prof. Vogel-Heuser discussed the challenges in Industrie 4.0 as well as Smart Data, while Dr. David Low explored the topic of challenges and opportunities in the future of manufacturing.

“The impact of Industrie 4.0 is expected to boost productivity in Germany’s manufacturing sector by the billions, and create hundreds and thousands of jobs within the next decade. As Singapore takes strides in its Smart Nation Initiative, we have to examine how our infrastructure will be able to support the next wave of the industrial revolution, and to enable various sectors in the economy to leverage on new technologies,” said Dr. Markus Waechter, Managing Director, TUM Asia. “We are happy to partner A*STAR and DAAD to present the Symposium, and we enjoyed a fruitful discussion with our speakers and panellists, as we enhanced our understanding of Industrie 4.0 via this platform for knowledge exchange.”

“I’m amazed about the power and maturity of Singapore’s research in the broad field of Cyber Physical Systems. The symposium delivered many insights for my further work,” said Prof. Vogel-Heuser.

Mr. Nicholas Bischoff, Analyst at io-consultants Pte Ltd shared, "Industry 4.0 is an interesting topic and this symposium gave me a deeper insight on the implementation of the i4.0 principles in the manufacturing industry."

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Media Contacts

TUM Asia

Tan Wen Qi
Assistant Manager,
Marketing Communications
Corporate Communications Department
DID: 6812 9805 DID: 6777 7407 (Ext 105)
Email: wenqi.tan@tum-asia.edu.sg

Asia PR Werkz

Queena Chua
Senior Associate
HP: 9646 5195
Email: queena@asiaprwerkz.com

About Technische Universität München (TUM)

Technische Universität München (TUM) is one of Europe's leading universities. It has roughly 500 professors, 9,000 academic and non-academic staff, and 32,000 students. It focuses on the engineering sciences, natural sciences, life sciences, medicine, and economic sciences. After winning numerous awards, it was selected as an "Excellence University" in 2006 and 2012 by the Science Council (Wissenschaftsrat) and the German Research Foundation (DFG). In both international and national rankings, TUM is rated as one of Germany's top universities and is dedicated to the ideal of a top-level research-oriented entrepreneurial university. The university's global presence includes offices in Beijing (China), Brussels (Belgium), Cairo (Egypt), Mumbai (India) and São Paulo (Brazil). The German Institute of Science and Technology (GIST - TUM Asia), founded in 2002 in Singapore, is the first campus of a German university abroad.

www.tum.de

About TUM Asia

As the first German academic venture abroad, TUM Asia opened its doors in Singapore in 2002. German in its roots and Asian in its approach, TUM Asia combines an emphasis on industry readiness and innovation with a distinct dedication to be relevant to Asia and its development. TUM Asia has seen more than 300 global graduates come through its Master programmes, including graduates from Asia and Europe.

TUM Asia currently offers six Master of Science programmes. The Industrial Chemistry, Integrated Circuit Design, Aerospace Engineering and Green Electronics programmes are jointly offered with Nanyang Technological University (NTU) or National University of Singapore (NUS). The Transport and Logistics and Power Systems & Energy Management programmes are offered exclusively by TUM Asia. Our international faculty hail from Germany and more, and their wealth of knowledge from various fields provide a spectrum of experience for the students to glean from.

Recognising the demand for engineering excellence in Singapore, TUM Asia partnered Singapore Institute of Technology (SIT) to offer Bachelor of Science programmes in Electrical Engineering and Information Technology and Chemical Engineering in 2010. It has also set up TUM CREATE in June 2010 to propagate research programmes, where scientists and researchers from both Germany and Singapore can work together for the advancement of science and technology. With the support of the National Research Foundation of Singapore (NRF), researchers at TUM CREATE focus on developing innovative systems that incorporate safety and reliability with functionality and energy efficiency in electric vehicles. For more information, visit www.tum-asia.edu.sg.