1st munich technology conference
11–12 October 2017
TU Munich / Germany

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Additive Manufacturing
Industrialization, Applications, Business Models

With Top Speakers from

ACAM, Airbus, Audi, BASF, BMW, Concept Laser, EOS, Linde, Lufthansa, MTU, Premium AEROTEC, RWTH Aachen, Siemens, Skoltech, TRUMPF, TU Munich, TÜV SÜD and more

munichtechconference.com

oerlikon

Bavarian Ministry of Economic Affairs and Media, Energy and Technology

Technical University of Munich

The inaugural convention of leading AM experts

Additive Manufacturing (AM) is the most physical expression of the digital industrial revolution and a pillar of next-generation manufacturing technologies that will drive the factories of the future.

As the AM industry grows, both opportunities and challenges become clearer. As the first conference of its kind, the Munich Technology Conference brings together leading stakeholders from the AM technology field to discuss trends, innovations, processes and where the industry is heading. It offers a platform for leading experts from the corporate, academic and political sectors to discuss the latest developments in AM industrialization, applications and business models. Participants get the opportunity to interact with and learn from pioneering practitioners.

This is an invitation only event. However, there are a limited number of seats available to interested applicants. For further information please visit:
munichtechconference.com

Topics of discussion

At the conference, leading experts from the corporate, academic and political sectors will discuss key trends and developments in AM.

- What are the most exciting AM applications in different industries?
- How will AM change industry business models in the next ten years?
- What does it take for the breakthrough of AM as serious serial production technology?
- How can we drive the industrialization of AM?
- How can public–private partnerships accelerate AM as a mainstream manufacturing technology?
- How can technology support manufacturing in developed countries?

Additively manufactured distributor housing

Event Program

Day 1 11th October 2017

Block A 12:30–12:40	**Dr. Melinda Crane**
Block B 12:40–13:50	**The AM Revolution: Hype, Threat or an Opportunity to Change the World?** Quo vadis Additive Manufacturing? AM is currently raising expectations – it enables high-tech companies to increase their competitiveness, it helps developed countries to secure jobs and it creates new business models that will transform entire industries. Exalted representatives of politics, industry and science illuminate the relevance, possibilities and barriers of additive manufacturing on the way to becoming a mainstream technology. **Industry: Prof. Michael Süss** (Oerlikon Group) **Politics: Ms. Ilse Aigner** (Bavarian State Ministery) **Science: Prof. Horst Wildemann** (TU Munich) Moderation: Dr. Melinda Crane
13:50–14:15	Break/Networking
Block C 14:15–15:50	**AM Technology: What's new?** During the last years, huge improvements in hardware, software and materials of Additive Manufacturing have been achieved. Experts will give insights into the most advanced solutions and highlight the current possibilities, challenges and limitations. In addition, they will risk a glance into the future. **Hardware: Dr. Hans Langer** (EOS) **Software: Dr. Karsten Heuser** (Siemens) **Material: Dr. Justin Cheney** (Scoperta) **Material: Matthias Johannes Wagner** (BASF) **Gas: Dr.-Ing. Christian Bruch** (Linde) Moderation: Dr. Melinda Crane and Prof. Iskander Akhatov (Skoltech)
15:50–16:15	Break/Networking

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Block D 16:15–17:45	**AM Markets: New Industrial Frontiers** Additive Manufacturing is used across industry borders, but with different scope. Aerospace, automotive, energy and medical have various applications with varying requirements and challenges. How versatile AM already fulfills this diversity, which cross-industry and specific challenges have to be overcome and how the different industries could profit from each other will be discussed. **Aero: Michael Schreyögg** (MTU Aero Engines) **Automotive: Dr. Alexander Susanek** (BMW) **Medical: Felix Burgdorf** (Lima Corporate) **Aero: Gerd Weber** (Premium AEROTEC) Moderation: Dr. Melinda Crane and Dr. Johannes Witzel (ACAM Aachen)
Block E 17:45–18:15	**AM Value Creation: Integrated Solution Provider** Solution providers need to combine material, software, engineering and service competences to produce high-performance components. How can individual powders, single components, small services, mass production and spare parts be manufactured in the same factory and therefore create significant value for customers without cannibalizing their business models? In this session, Dr. Roland Fischer and Florian Mauerer will talk about Oerlikon's vision for AM. **Dr. Roland Fischer** (Oerlikon Group) **Florian Mauerer** (AM Oerlikon) Moderation: Dr. Melinda Crane
18:15–19:15	Transfer to dinner venue
Block F 19:15–19:30	**Dinner Speech** **Prof. Michael Süss** (Oerlikon Group) **Prof. Wolfgang Herrmann** (TU Munich)

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Event Program

Day 2 12th October 2017

Block G 08:15–08:20	**Welcome** **Dr. Melinda Crane**
Block H 08:20–09:00	**AM Deep Dive: Specific Case Studies** Based on current applications, the potential of Additive Manufacturing will be shown on a detailed level. Aerospace, hardware manufacturers, space, medical and automotive will present outstanding solutions, the challenges they faced, the limits they had and how to overcome these boundaries. **Aero: Christian Carjell** (Lufthansa Technik) **Hardware: Frank Herzog** (Concept Laser) **Space: Frank Mouriaux** (RUAG Space) **Automotive: Dr. Robert Struck** (Audi) **Medical: Dr. Erich Rembeck** (ECOM) Moderation: Dr. Melinda Crane
Block I 09:00–10:15	**Manufacturing Re-imagined: AM's Impact on Traditional Business Models** The breakthrough of Additive Manufacturing will have a tremendous impact on current business models. Experts will show up-to-date influences and their consequences and discuss future adaptions within different industries. **Aero: Jonathan Meyer** (Airbus) **Energy: Alf Henryk Wulf** (GE Power) **Hardware: Tobias Baur** (TRUMPF) Moderation: Dr. Melinda Crane and Prof. Michael Zäh (TU Munich)
10:15–11:00	Break/Networking

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Block J 11:00–12:30	**From Fiction to Factory – Success Factors Enabling AM as a Serial Production Technology?** What do we need to achieve a breakthrough in AM? Leading international specialists from industry, politics, science and certification authorities will discuss the requirements to establish Additive Manufacturing as a serial production technology. Diverse opinions along the AM supply chain will guarantee exciting insights and show us, what still has to be done.	
	Industry: Mohammad Ehteshami (GE Additive) **Politics: Ralph Resnick** (America Makes) **Science: Prof. Johannes Schleifenbaum** (RWTH Aachen) **Quality: Dr. Dirk Schlesinger** (TÜV SÜD) **Service Provider: Florian Mauerer** (Oerlikon Group) Moderation: Dr. Melinda Crane	
Block K 12:30–12:50	**AM as a Driver to Improve the State of the World?** The World Economic Forum attested additive manufacturing a high potential to save the world and at the same to be a disruptive force. Dr. Rösler is going to explain if, in which segments and how Additive Manufacturing is able to improve our world today and in the near future.	
	Dr. Philipp Rösler Moderation: Dr. Melinda Crane and Prof. Michael Süss	
Block L 12:50–13:00	**Conference Wrap-up**	
	Prof. Michael Süss Moderation: Dr. Melinda Crane	

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Speakers

With top speakers from industry, politics and academia.

Ms. Ilse Aigner
Bavarian State Minister of Economic Affairs and Media, Energy and Technology

Prof. Iskander Akhatov
Professor
Skolkovo Institute of Science and Technology

Mr. Tobias Baur
Head of Additive Manufacturing
TRUMPF GmbH + Co. KG

Dr.-Ing. Christian Bruch
Member of the Executive Board
Linde AG

Mr. Felix Burgdorf
Representative of majority shareholder
Lima Corporate spa
EQT Partners GmbH

Mr. Christian Carjell
Project Manager AM
Lufthansa Technik AG

Dr. Justin Cheney
Chief Technology Officer
Scoperta (Oerlikon Group)

Dr. Melinda Crane
Journalist and Moderator

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Mr. Mohammad Ehteshami
Vice President & General Manager
GE Additive

Dr. Hans J. Langer
Executive Chairman
EOS Group

Dr. Roland Fischer
Chief Executive Officer
Oerlikon Group

Mr. Florian Mauerer
Head of BU Additive Manufacturing
Oerlikon Group

Mr. Frank Herzog
Chairman & Chief Executive Officer
Concept Laser GmbH

Mr. Jonathan Meyer
Head of Additive Manufacturing
Airbus Group

Dr. Karsten Heuser
Competence Center AM
Siemens AG

Mr. Franck Mouriaux
General Manager Structures
RUAG Schweiz AG

Speakers

Dr. med. Erich Rembeck
Orthopedist
ECOM

Mr. Ralph Resnick
Founding Director
America Makes

Dr. Philipp Rösler
Member of the Managing Board
World Economic Forum

Prof. Dr.-Ing.
Johannes H. Schleifenbaum
Professor
RWTH Aachen

Dr. Dirk Schlesinger
Chief Digital Officer
TÜV SÜD

Mr. Michael Schreyögg
Chief Program Officer
MTU Aero Engines AG

Dr. Robert Struck
Head of Production Technology/
Center of Excellence
AUDI AG

Prof. Dr. Michael Süss
Chairman
Oerlikon Group

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Dr. Alexander Susanek
Head of Production Plant 0
BMW Group

Mr. Gerd Weber
Head of Parts Manufacturing & Site Varel
Premium AEROTEC

Univ.-Prof. Dr. Dr. h.c. mult. Horst Wildemann
Professor
TU Munich

Dr.-Ing. Johannes Witzel
Chief Executive Officer
ACAM Aachen Center for Additive Manufacturing

Mr. Alf Henryk Wulf
Chief Executive Officer
GE Power AG

Prof. Dr.-Ing. Michael Zäh
Professor
TU Munich

Mr. Matthias Johannes Wagner
R&D Equipment Support
BASF SE

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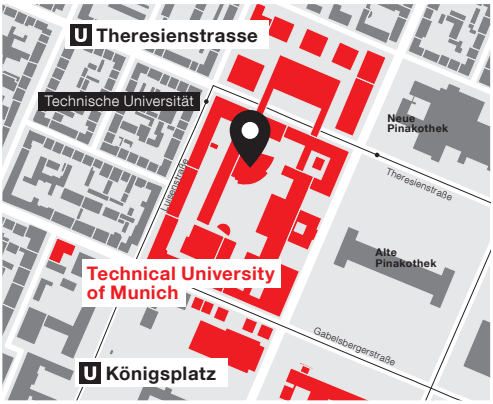

Contact

Technical University of Munich
Audimax, Arcisstr. 21
80333 Munich, Germany

Get there by public transportation

- Train: München Hauptbahnhof (+U2)
- Underground (U2): Theresienstrasse
- Tram (27/28): Pinakothek
- Bus (100): Technische Universität
- There are limited, paid parking options on Theresienstrasse and Luisenstrasse.

Audimax

The two-day conference will take place at the Audimax of the Technical University of Munich.

Munich

Located in the south of Germany, the Bavarian capital Munich is home to 1.5 million people and numerous leading industry and service companies, as well as the world-renowned Technical University of Munich. Visitors from across the globe are attracted by cultural highlights such as the annual Oktoberfest, the Deutsches Museum – the world's largest museum of science and technology – the many galleries and the Bavarian way of life.