

# AMTC

## Advanced Manufacturing Technology Conference

**The most influential C-level event in  
Additive Manufacturing.**

## Program

October 11 – 12, 2022

Hybrid event // Munich, Germany

# Connecting Opportunities – Driving the AM Ecosystem

## Overview

The global economy has fundamentally changed in recent years, influenced primarily by the coronavirus pandemic and geopolitical issues such as the war in Ukraine. Disrupted industrial supply chains, especially the securing of raw materials and reliable logistics routes, have had a major impact on technology investments globally. As a result, Additive Manufacturing (AM), with its many benefits, is gaining attention in many industries. The development and integration of AM into industrial processes is advancing, but progressing at different paces in Europe, Asia and the Americas. At AMTC 2022, decision-makers and experts from these three regions will share different approaches and methods to overcoming technical, regulatory and economic hurdles in the industrialization of AM. Since its founding in 2017, AMTC has proven to be the platform that addresses the most burning issues in the AM ecosystem.



# Meet the AM Startups

## Day 1 – October 11

The startup scene plays an especially important role in the Additive Manufacturing community. Meet highly promising AM startups from around the globe at the traditional AMTC Startup Day, network and get inspired!

<b>15:00 CEST</b>	<b>Arrival</b>	Registration of participants & Networking
<b>15:30 CEST</b>	<b>Introduction</b>	Dr. Melinda Crane & Sven Krause
<b>15:45 CEST</b>	<b>Keynote</b>	Arno Held, AM Ventures
<b>16:00 CEST</b>	<b>Building successful and resilient startups in challenging times</b>	Dr. Oliver Trinchera, Kinexon Dr. Miriam Haerst, Kumovis James DeMuth, Seurat Technologies
<b>16:45 CEST</b>	<b>Keynote</b>	Prof. Helmut Schoenenberger, UnternehmerTUM
<b>17:00 CEST</b>	<b>Break</b>	
<b>17:30 CEST</b>	<b>6 startup-pitches</b>	
<b>19:00 CEST</b>	<b>Formnext pitch winner</b>	
<b>19:15 CEST</b>	<b>Networking &amp; exhibition</b>	

# Speakers Day 1 – Startup Event



James DeMuth  
**Seurat Technologies**  
CEO & Co-Founder



Jeff Lints  
**Fortius Metals**  
CEO and Founder



Vincent Gerretz  
**gemineers**  
Co-Founder & Managing Director



Luisa Elena Mondora  
**F3nice**  
CEO



Dr. Miriam Haerst  
**Kumovis**  
Manager Operations



Kazuhiko Nishioka  
**Sun Metalon**  
CEO



Arno Held  
**AM Ventures**  
Managing Partner



Prof. Helmut  
Schoenenberger  
**UnternehmerTUM**  
CEO



Akanksha Jagwani  
**SixSense**  
Co-Founder and CEO



Dr. Oliver Trinchera  
**Kinexon**  
Founder & CEO



Sven Krause  
Moderator



Chris Wyres  
**Evove**  
CEO

# Full Day Conference

## Day 2 – October 12

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### Block A

08:30–09:30 CEST

#### WELCOME

Participants

- **Dr. Melinda Crane**, Moderator
- **Ilse Aigner**, Bavarian State Parliament, President of the Bavarian State Parliament
- **Prof. Thomas Hofmann**, Technical University of Munich, President
- **Prof. Michael Süß**, Oerlikon, Executive Chairman
- **Dr. Peter Körte**, Siemens AG, Corporate Vice President, Chief Technology & Chief Strategy Officer
- **Oliver Hoffmann**, Audi AG, Member of the Board of Management for Technical Development

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### Block B

09:30–10:00 CEST

#### CLUSTER MOU SIGNING

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### Block C

10:00–10:30 CEST

#### AM'S ROLE IN FUTURE MARKETS

From time to time, we need a new perspective and to think outside the box. Futurologist Kai Gondlach takes a look at potential future AM markets. He presents a recent study in which he assessed the impact social and sociopolitical developments in various regions of the world will have on industrial markets – and what that means for AM.

Participants

- **Kai Gondlach**, PROFORE Gesellschaft für Zukunft, Master of Arts Futures Research
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# Day 2 – October 12

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**Block D**  
10:30–11:15 CEST

**BREAK OR BREAKOUT SESSION**

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**Block D1**  
10:35–11:10 CEST

**BREAKOUT SESSION:**  
MEGATRENDS – FUTURE MARKETS – FUTURE TECHNOLOGIES

The potential of AM is great and steadily growing in importance in certain market and technology trends. Insights shared in this session show where new technologies are being introduced and how 3D printing can serve future market needs.

Participants

- **Matthias Scharvogel**, Element22, CEO
- **Manja Franke**, AMEXCI, Chief Strategy Officer
- **Prof. Peter Mayr**, Technical University of Munich, Professor of Materials Engineering of Additive Manufacturing / Department Head Materials Engineering

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**Block E**  
11:15–12:00 CEST

**UPDATES & PRIORITIES – AM ACROSS THE GLOBE**

What are the latest developments in the AM industry around the globe? How are the coronavirus pandemic, the Ukraine war and the climate crisis affecting AM-relevant industries and markets? High-level representatives from multiple countries will share what they see as the priorities for AM!

Participants

- **Francisco Betti**, World Economic Forum, Head of Advanced Manufacturing / Member of the Executive Committee
  - **Dr. Sven Hicken**, Oerlikon, CTO OSS and Head of Additive Manufacturing
  - **Lionel Lim**, EDB – Singapore Economic Development Board, Vice President & Head, Technology Hardware & Equipment
  - **Kimberly Gibson**, America Makes, Ecosystem Director
  - **Dr. Nicholas Deliyanakis**, European Commission, Deputy Head of Unit, Industrial Technologies Strategy, DG Research & Innovation
  - **Dr. Felix Zimmer**, Bundeswehr
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# Day 2 – October 12

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**Block F/H/I****BLUEPRINT CASES FROM ASIA, EUROPE AND AMERICAS –  
INTERESTING EXAMPLES FOR SUCCESSFUL AM INTEGRATION**

A highlight of the conference: AM representatives from three different regions present examples of a successful implementation of an industrial AM project. They talk about success factors and hurdles they had to overcome and share their learnings with the AM community.

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**Block F**  
12:00–13:00 CEST**BLUEPRINT CASES – APAC**

Participants

- **Dr. Joo Hock Ang**, Sembcorp Marine, Assistant Vice President (R&D)
- **Dr. Cailan Tian**, Jiangsu Deep Blue Aerospace Co., Project Manager
- **Dr. Guoying Zheng**, ST Engineering Commercial Aerospace, Vice President, Head of AMDC

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**Block G**  
13:00–14:00 CEST**LUNCH/EXPERT INTERVIEWS/NETWORKING TABLES**

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**Block G1**  
13:05–13:55 CEST**EXPERT INTERVIEWS & NETWORKING TABLES**

In short interviews, five experts from different AM sectors share insights about their experiences over the past 12 months and report on exciting new developments in the industry. Also, there will be interesting networking tables to get to know other people.

Participants

- **Valeria Tirelli**, Aidro, President & CEO
- **Frank Herzog**, HZG Group, Founding Partner
- **René Kreissl**, Trumpf, Head of Business Unit Additive Manufacturing
- **Dr. Markus Tacke**, Oerlikon, CEO OSS
- **Tuan TranPham**, Azul 3D, Chief Revenue Officer

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**Block H**  
14:00–15:15 CEST**BLUEPRINT CASES – EUROPE**

Participants

- **Max Horn**, Fraunhofer IGC, Group Leader Additive Manufacturing
  - **Dr. Michael Ott**, Siemens Healthineers, Head of Production Innovation at Technology Center Mechatronic Products
  - **Michael Kilian**, Airbus Defence and Space
  - **Hendrik Alfter**, Oerlikon AM, General Manager AM Europe
  - **Dr. Sonja Wolfrum**, Siemens AG, Senior Key Expert Additive Manufacturing
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# Day 2 – October 12

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**Block I**  
15:15–16:15 CEST**BLUEPRINT CASES – AMERICAS**

Participants

- **Dr. Jason Carroll**, Eaton, Vice President Global Technology
- **Dr. Melissa Orme**, Boeing, Vice President, Boeing Additive Manufacturing, Engineering, Test & Technology
- **Bill Haddad**, Collins Aerospace

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**Block J**  
16:15–17:00 CEST**BREAK OR BREAKOUT SESSION**

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**Block J1**  
16:20–16:55 CEST**BREAKOUT SESSION: RESEARCH FOCUS**

What is currently in the research pipeline? What projects are underway and what results can be expected? How are geopolitical upheavals currently changing the research landscape? Six top researchers from renowned institutes around the world share their insights.

Participants

- **Christian Leinenbach**, EMPA, Head Advanced Processing & Additive Manufacturing of Metals
- **Prof. Katrin Wudy**, Technical University of Munich, Professor for Laser-based Additive Manufacturing
- **Prof. Lianghua Xiong**, Shanghai Jiao Tong University, Associate Professor of Materials Science
- **Prof. Anping Dong**, Shanghai Shiaotong University, Professor of Materials Science
- **Prof. A. John Hart**, Massachusetts Institute of Technology, Professor of Mechanical Engineering

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**Block K**  
17:00–17:45 CEST**REGIONAL SIMILARITIES AND DIFFERENCES**

The blueprint cases presented show different approaches to the industrialization of AM. Experts on this panel discuss regional similarities and differences in developing AM. What are the key drivers in different regions? Are these the same around the world? What role do governments play? And finally, where is the potential for global collaboration?

Participants

- **PhD Mohsen Seifi**, ASTM International, Vice President, Global Advanced Manufacturing Programs
  - **Univ.-Prof. Johannes Henrich Schleifenbaum**, RWTH Aachen / ACAM, Professor and Director Digital Additive Production DAP, RWTH Aachen University / Managing Director ACAM Aachen Center for Additive Manufacturing GmbH
  - **Andreas Frahm**, Trumpf, Head of Global Sales Laser Technology
  - **Prof. Christian Seidel**, University of Applied Science Munich / Fraunhofer Institute IGC, Full Professor for Manufacturing Technologies and Additive Manufacturing / Head of Additive Manufacturing
  - **Paolo Gennaro**, GF Machining Solutions, Head of Additive Technologies
  - **Dr. Dirk Simon**, Farsoon Europe, CEO
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# Day 2 – October 12

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## Block L

17:45 – 18:30 CEST

### FOCUS SUSTAINABILITY – AM AS A KEY LEVER

AM is a technology that can make a major contribution to sustainability. At the same time, the technology itself is not yet fully sustainable. Where does AM stand on this path? How can AM contribute to making industrial production more sustainable? And what is the significance of sustainability in the various regions? Experts from international organizations and companies from various AM sectors give answers.

Participants

- **Sherri Monroe**, Additive Manufacturer Green Trade Association, Executive Director
- **Frank Rosengreen Lorenzen**, Danish AM Hub, CEO
- **Dr. Karsten Heuser**, Siemens AG, Vice President Additive Manufacturing
- **Benjamin Schönfuß**, World Economic Forum, Specialist, Shaping the Future of Advanced Manufacturing
- **Markus Glasser**, EOS, Senior Vice President EMEA
- **Dr. Sebastian Piegert**, Siemens Energy, Group Lead Additive Manufacturing

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## Block M

18:30 – 18:45 CEST

### SUMMARY AND CLOSING REMARKS

Participants

- **Prof. Michael Süß**, Oerlikon, Executive Chairman

# Speakers Day 2



**Ilse Aigner**

**Bavarian State Parliament**  
President of the Bavarian State  
Parliament



**Hendrik Alfter**

**Oerlikon AM**  
General Manager AM Europe



**Dr. Joo Hock Ang**

**Sembcorp Marine**  
Assistant Vice President (R&D)



**Francisco Betti**

**World Economic Forum**  
Head of Advanced Manufacturing/  
Member of the Executive Committee



**Dr. Jason Carroll**

**Eaton**  
Vice President Global Technology



**Dr. Melinda Crane**

Moderator



**Prof. Anping Dong**

**Shanghai Shiatong University**  
Professor of Materials Science



**Andreas Frahm**

**Trumpf**  
Head of Global Sales Laser  
Technology



**Manja Franke**

**AMEXCI**  
CSO



**Paolo Gennaro**

**GF Machining Solutions**  
Head of Additive Technologies



**Kimberly Gibson**

**America Makes**  
Ecosystem Director



**Markus Glasser**

**EOS**  
Senior Vice President EMEA



**Kai Gondlach**

**PROFORE Gesellschaft  
für Zukunft mbH**  
Master of Arts Futures Research



**Prof. A. John Hart**

**Massachusetts Institute  
of Technology**  
Professor of Mechanical  
Engineering



**Frank Herzog**

**HZG Group**  
Founding Partner



**Dr. Karsten Heuser**

**Siemens AG**  
Vice President Additive  
Manufacturing



**Dr. Sven Hicken**

**Oerlikon**  
CTO OSS and Head of Additive  
Manufacturing



**Oliver Hoffmann**

**Audi AG**  
Member of the Board of  
Management for Technical  
Development

# Speakers Day 2



**Prof. Thomas Hofmann**

**Technical University of Munich**  
President



**Dr. Michael Ott**

**Siemens Healthineers**  
Head of Production Innovation  
at Technology Center Mechatronic  
Products



**Max Horn**

**Fraunhofer IGC**  
Group Leader Additive  
Manufacturing



**Dr. Sebastian Piegert**

**Siemens Energy**  
Group Lead Additive Manufacturing



**Dr. Peter Koerte**

**Siemens AG**  
Corporate Vice President,  
Chief Technology & Chief Strategy  
Officer



**Frank Rosengreen Lorenzen**

**Danish AM Hub**  
CEO



**René Kreissl**

**Trumpf**  
Head of Business Unit Additive  
Manufacturing



**Matthias Scharvogel**

**Element22**  
CEO



**Christian Leinenbach**

**EMPA**  
Head Advanced Processing &  
Additive Manufacturing of Metals



**Univ.-Prof. Johannes Henrich  
Schleifenbaum**

**RWTH Aachen / ACAM**  
Professor and Director DAP, RWTH /  
Managing Director ACAM



**Lionel Lim**

**EDB – Singapore Economic  
Development Board**  
Vice President & Head, Technology  
Hardware & Equipment



**Benjamin Schönfuß**

**World Economic Forum**  
Specialist, Shaping the Future of  
Advanced Manufacturing



**Prof. Peter Mayr**

**Technical University Munich**  
Professor of Materials Engineering  
of Additive Manufacturing /  
Department Head Materials  
Engineering



**Prof. Christian Seidel**

**University of Applied Science Munich /  
Fraunhofer Institute IGC**  
Full Professor for Manufacturing  
Technologies and Additive Manufacturing /  
Head of Additive Manufacturing



**Sherri Monroe**

**Additive Manufacturer Green  
Trade Association**  
Executive Director



**PhD Mohsen Seifi**

**ASTM International**  
Vice President, Global Advanced  
Manufacturing Programs



**Dr. Melissa Orme**

**Boeing**  
Vice President, Boeing Additive  
Manufacturing, Engineering,  
Test & Technology



**Dr. Dirk Simon**

**Farsoon Europe**  
CEO

# Speakers Day 2



Prof. Michael Süß

**Oerlikon**  
Executive Chairman



Dr. Sonja Wolfrum

**Siemens AG**  
Senior Key Expert Additive  
Manufacturing



Dr. Markus Tacke

**Oerlikon**  
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Prof. Katrin Wudy

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Professor for Laser-based  
Additive Manufacturing



Dr. Cailan Tian

**Jiangsu Deep Blue  
Aerospace Co**  
Project Manager



Prof. Lianghua Xiong

**Shanghai Jiao Tong University**  
Associate Professor of  
Materials Science



Tuan TranPham

**Azul 3D**  
Chief Revenue Officer



Dr. Guoying Zheng

**ST Engineering Commercial  
Aerospace**  
Vice President, Head of AMDC

# AMTC Partners 2022

## HOSTING PARTNERS:

**oerlikon**



## GOLD MEMBERS:



**SIEMENS**

## STARTUP EVENT PARTNERS:

**AMVENTURES**

**PLUGANDPLAY**

**INNOVATION | RWTH AACHEN UNIVERSITY**

**TUM VENTURE LABS**

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**ETH zürich**

**formnext**



**+GF+**



**SIEMENS energy**



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ADDITIVE MANUFACTURING



**RWTH AACHEN UNIVERSITY**



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*Neue Zürcher Zeitung*

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