

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 Event, network and get inspired!

15:00 CEST	Arrival	Registration of participants & networking
15:30 CEST	Introduction	Dr. Melinda Crane & Sven Krause
15:45 CEST	AM Startups across the globe	Arno Held, AM Ventures
16:00 CEST	Building successful and resilient startups in challenging times	Dr. Oliver Trinchera, Kinexon Dr. Miriam Haerst, Kumovis James DeMuth, Seurat Technologies
16:45 CEST	Empowering the next generation of AM entrepreneurs and experts	Prof. Helmut Schoenenberger, UnternehmerTUM
17:00 CEST	Break	
17:30 CEST	6 startup pitches	
19:00 CEST	Formnext pitch winner	
19:15 CEST	Networking & exhibition	

Speakers Day 1 – Startup Event



James DeMuth
Seurat Technologies
CEO & Co-Founder



Luisa Elena Mondora
F3nice
CEO



Vincent Gerretz
gemineers
Co-Founder & Managing Director



Caroline Muders
Mesago Messe Frankfurt
Junior Exhibition Manager



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



Jeff Lints
Fortius Metals
CEO and Founder

Full Day Conference

Day 2 – October 12

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 Suess**, Oerlikon, Executive Chairman
- **Dr. Peter Koerte**, Siemens AG, Corporate Vice President, Chief Technology & Chief Strategy Officer
- **Oliver Hoffmann**, Audi AG, Member of the Board of Management for Technical Development

Block B

09:30–10:00 CEST

CLUSTER MOU SIGNING

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

Day 2 – October 12

Block D
10:30–11:15 CEST

BREAK OR BREAKOUT SESSION

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

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
- **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, Branch Manager at WIWeB for Additive Manufacturing, Information Technology

Day 2 – October 12

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.

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

Block G

13:00–14:00 CEST

LUNCH/EXPERT INTERVIEWS/NETWORKING TABLES

Block G1

13:05–13:55 CEST

EXPERT INTERVIEWS

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

Block H

14:00–15:15 CEST

BLUEPRINT CASES – EUROPE

Participants

- **Max Horn**, Fraunhofer IGCV, Group Leader Additive Manufacturing
 - **Dr. Michael Ott**, Siemens Healthineers, Head of Production Innovation at Technology Center Mechatronic Products
 - **Michael Kilian**, Airbus Defence and Space, R&D manager for additive manufacturing of RF space components
 - **Hendrik Alfter**, Oerlikon AM, General Manager AM Europe
 - **Dr. Bernd Mlekusch**, Audi AG, Head of Exterior Department
 - **Dr. Sonja Wolfrum**, Siemens AG, Senior Key Expert Additive Manufacturing
 - **Marcus Goehl**, Siemens Digital Industry Automation, Head of Manufacturing Haguenau
-

Day 2 – October 12

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, Director Additive Design and Manufacturing

Block J
16:15–17:00 CEST

BREAK OR BREAKOUT SESSION

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

- **Prof. Markus Bambach**, ETH Zürich, Professor for Advanced Manufacturing
- **Dr. 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 Jiao Tong University, Professor of Materials Science
- **Prof. A. John Hart**, Massachusetts Institute of Technology, Professor of Mechanical Engineering

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

- **Dr. 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 IGCV, 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

Day 2 – October 12

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 Schoenfuss**, World Economic Forum, Specialist, Shaping the Future of Advanced Manufacturing
- **Markus Glasser**, EOS, Senior Vice President EMEA
- **Dr. Sebastian Piegert**, Siemens Energy, Technology Field Lead Additive Manufacturing

Block M

18:30 – 18:45 CEST

SUMMARY AND CLOSING REMARKS

Participants

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

Speakers Day 2



Ilse Aigner

Bavarian State Parliament
President of the Bavarian State
Parliament



Andreas Frahm

Trumpf
Head of Global Sales Laser
Technology



Hendrik Alfter

Oerlikon AM
General Manager AM Europe



Manja Franke

AMEXCI
CSO



Dr. Joo Hock Ang

Semcorp Marine
Assistant Vice President (R&D)



Paolo Gennaro

GF Machining Solutions
Head of Additive Technologies



Prof. Markus Bambach

ETH Zürich
Professor for Advanced
Manufacturing



Kimberly Gibson

America Makes
Ecosystem Director



Francisco Betti

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



Markus Glasser

EOS
Senior Vice President EMEA



Dr. Jason Carroll

Eaton
Vice President Global Technology



Marcus Goehl

**Siemens Digital Industry
Automation**
Head of Manufacturing Hagenau



Dr. Melinda Crane

Moderator



Kai Gondlach

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



Dr. Nicholas Deliyankis

European Commission
Policy Officer Industrial
Transformation



Bill Haddad

Collins Aerospace
Director Additive Design and
Manufacturing



Prof. Anping Dong

Shanghai Jiao Tong University
Professor of Materials Science



Prof. A. John Hart

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

Speakers Day 2



Frank Herzog

HZG Group
Founding Partner



Dr. Karsten Heuser

Siemens AG
Vice President Additive
Manufacturing



Dr. Sven Hicken

Oerlikon
CTO OSS



Oliver Hoffmann

Audi AG
Member of the Board of
Management for Technical
Development



Prof. Thomas Hofmann

Technical University of Munich
President



Max Horn

Fraunhofer IGCV
Group Leader Additive
Manufacturing



Michael Kilian

Airbus Defence and Space
R&D manager for additive
manufacturing of RF space
components



Dr. Peter Koerte

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



René Kreissl

Trumpf
Head of Business Unit Additive
Manufacturing



Dr. Christian Leinenbach

EMPA
Head Advanced Processing &
Additive Manufacturing of Metals



Lionel Lim

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



Prof. Peter Mayr

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



Dr. Bernd Mlekusch

Audi AG
Head of Development Exterior



Sherri Monroe

**Additive Manufacturer Green
Trade Association**
Executive Director



Dr. Melissa Orme

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



Dr. Michael Ott

Siemens Healthineers
Head of Production Innovation
at Technology Center Mechatronic
Products



Dr. Sebastian Piegert

Siemens Energy
Technology Field Lead Additive
Manufacturing



Frank Rosengreen Lorenzen

Danish AM Hub
CEO

Speakers Day 2



Matthias Scharvogel

Element22
CEO



Dr. Cailan Tian

**Jiangsu Deep Blue
Aerospace Co.**
Project Manager



Univ.-Prof. Johannes Henrich
Schleifenbaum

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



Valeria Tirelli

Aidro
President & CEO



Benjamin Schoenfuss

World Economic Forum
Specialist, Shaping the Future of
Advanced Manufacturing



Tuan TranPham

Azul 3D
Chief Revenue Officer



Prof. Christian Seidel

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



Dr. Sonja Wolfrum

Siemens AG
Senior Key Expert Additive
Manufacturing



Dr. Mohsen Seifi

ASTM International
Vice President, Global Advanced
Manufacturing Programs



Prof. Katrin Wudy

**Technical University
of Munich**
Professor for Laser-based
Additive Manufacturing



Dr. Dirk Simon

Farsoon Europe
CEO



Prof. Lianghua Xiong

Shanghai Jiao Tong University
Associate Professor of
Materials Science



Prof. Michael Suess

Oerlikon
Executive Chairman



Dr. Guoying Zheng

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



Dr. Markus Tacke

Oerlikon
CEO OSS



Dr. Felix Zimmer

Bundeswehr
Branch Manager at WIWeB
for Additive Manufacturing,
Information Technology

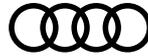
AMTC Partners 2022

HOSTING PARTNERS:

 Oerlikon



GOLD MEMBERS:



 SIEMENS

STARTUP EVENT PARTNERS:

 AMVENTURES

 PLUGANDPLAY

 INNOVATION | RWTH AACHEN UNIVERSITY

 TUM VENTURE LABS

SILVER SUPPORTERS:



 EDB: SINGAPORE

 Empa
Materials Science and Technology



 ETH zürich

 formnext

 Fraunhofer
IGCV

 +GF+

 HZGGROUP

 SIEMENS
energy



STRATEGIC PARTNERS:



 CENTER of
EXCELLENCE
Research to Standards
ADDITIVE MANUFACTURING



 Microsoft

 RWTH AACHEN
UNIVERSITY



MEDIA PARTNERS:

 3D ADEPT MEDIA
All about Additive Manufacturing

 3Dnatives
Ihr Portal für den 3D-Druck

 3dpbm

 CHRONICLE

 EU-Startups

 METAL AM
MAGAZINE

 Neue Zürcher Zeitung

CONTACT

OC Oerlikon Management AG

Churerstrasse 120
CH-8808 Pfäffikon SZ
Switzerland

info@amtc.community

www.amtc.community