Welcome to the AM Forum
Additive Manufacturing for Industrial Use

Leading European Conference with Exhibition for Additive Manufacturing
March 11 - 12, 2020 | Berlin

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Universität St Gallen

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Conference Focus | Pre-Conference Day

Additive manufacturing technologies are revolutionizing product development and production processes already today. The conference focuses on four essential steps of the additive value chain, that are crucial to the implementation of additive manufacturing. Leading experts will share their experiences with you and answer your questions.

Design & Simulation
AM provides developers and designers with maximum design freedom and thus a high degree of function optimization and integration. It allows the modeling of highly complex structures, extremely lightweighted and stable at the same time. Bionic and digital design are the guiding principles of AM design. Form no longer follows producability, but function. To what extent does this new design freedom require a rethinking of the development and construction process? How important is simulation in the product development process and beyond?

New Materials
From the existing to the new: Components manufactured with AM were first printed in their original materials. Hybrid materials and powder mixtures that go far beyond the properties of traditional materials are currently entering the market. As the material spectrum and their quality increase, there is a wider application range, making AM more interesting for SMEs. Which are the new innovative materials, and which applications evolve based on them?

Series Production & Automation
The core of the digital factory: Additive manufacturing is one of the most promising production methods for the future. Yet, additive and conventional manufacturing are not in competition, they rather complement one another. How can stable series production of AM with consistent product quality be achieved? What challenges need to be overcome? What is to be done to connect AM and traditional production? How important is AM for the digitally connected fully automated production?

Postprocessing & Quality
AM productivity is still essentially defined by high cost and time-consuming in post-processing. Studies estimate the costs for post-processing at 60 - 300 % of the AM process, depending on the applied process, material and component. On the one hand, automation of these currently mostly manual post processes is required. On the other hand, it is important to plan the post-processing steps and thus the entire AM process chain right at the start of the product development stage. What does optimal post-processing look like? How can the post-processing effort be minimized, what do I have to consider?

Pre-Conference Day | March 10, 2020

11.00 - 17.00  🇬🇧 3rd European Summit for Women in AM: Meeting & Exchange of Female Experts and Executives Working in the Additive Community
Venue: 3D-Druck Campus Berlin – Marienpark 22, 12107 Berlin
View Program: www.additivemanufacturingforum.com/women-in-am
In cooperation with Mobility goes Additive

from 18.30  🇬🇧 Pre-Networking Event: AM Vernissage & Design Lab Tour
Venue: A32 – Entrepreneurs Forum Berlin Siemensstadt
See more details: www.additivemanufacturingforum.com/preconference-day
Supported by SIEMENS / Berlin Partner for Business and Technology

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**Program | March 11, 2020**

08.00 - 08.45  **Check-In & Networking in the Exhibition**  
Estrel Congress & Messe Center, Sonnenallee 225, 12057 Berlin, Germany

08.45 - 09.15  **Welcome Address & Networking Kick-Off**  
Prof. Dr. Johannes Walther, CEO, Institute for Production Management  
Signe Ratso, Deputy Director General, DG RTD of the European Commission  
Matthias Schmidt-Lehr, Managing Partner, ampower GmbH

09.15 - 09.35  **AM in Space**  
Opening Keynote  
Ulrich Bruder, VP Automotive & Aerospace, Altair Engineering GmbH  
Samuel Senese, Deputy Head of Mechanism & Product, OHB-Systems AG  
Gonçalo Rodrigues, Space Structures Engineer, European Space Agency, ESA/ESTEC

09.35 - 09.55  **Value Added Solutions on the Rail – Realized with AM**  
Keynote: Design & Simulation  
Dr. Karsten Heuser, VP Additive Manufacturing, Digital Industries, Siemens AG  
Michael Kuczmik, Head of AM, Siemens Mobility GmbH

09.55 - 10.15  **Innovative Materials for Extreme Requirements: “Rocket Science Underground”**  
Keynote: New Materials  
Christoph Wangenheim, Head of Additive Manufacturing, Baker Hughes  
Dr. Christian Lindemann, CEO, Direct Manufacturing Research Center

10.15 - 11.00  Coffee Break & Networking in the Exhibition

11.00 - 12.00  **Masterclass: Custom-Fit AM Materials for Every Application**  
New Materials  
Moderator: Prof. Dr. Elmar Bräkling, Hochschule Koblenz

**Masterclass: Software-Simulation as „The Next Big Thing“?**  
Design & Simulation  
Moderator: Prof. Dr. Alexander Tsipoulanidis, HWR Berlin

11.00 - 11.15  **Materials “Fit for Purpose”**  
Volker Hammes, Managing Director, BASF New Business GmbH

**Design-Driven Manufacturing**  
N.N.

11.15 - 11.30  **Hybrid Materials**  
Carsten Merklein, VP Additive Manufacturing - Advanced Production Technologies, Schaeffler Technologies AG & Co. KG

**Simulation Will Unlock the Potential of AM**  
Dr. Brent Stucker, Director AM, ANSYS Inc.

11.30 - 12.00  Open Discussion

12.00 - 13.15  Business Lunch & Networking in the Exhibition

All information subject to change.

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<th>Session</th>
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<td>13.15 - 16.00</td>
<td><strong>Discussion &amp; Workshops</strong> incl. Break</td>
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<td>13.15 - 14.45</td>
<td>Panel Discussion</td>
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<td><strong>Scaling AM: How Can Additive Manufacturing Reach SMEs?</strong></td>
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<td><strong>Panelist:</strong> Prof. Dr. Stephan M. Wagner, ETH Zürich</td>
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<td>- Prof. Dr. Claus Emmelmann, Head of Institute of Laser and System Technologies, Fraunhofer IAPT</td>
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<td>- Carl Fruth, CEO, FIT AG</td>
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<td>- Stephan Kühr, CEO, 3YOURMIND GmbH</td>
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<td>13.15 - 16.00</td>
<td><strong>Workshop 1</strong></td>
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<td><strong>From Component Identification to Implementation: How Do I Start with 3D Printing?</strong></td>
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<td><strong>Moderator:</strong> Prof. Dr. Elmar Bräkling, Hochschule Koblenz</td>
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<td></td>
<td>- Manuel Laux, Head of Business Development, Rösler Oberflächentechnik GmbH</td>
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<td>- Dieter Leikermoser, Sales Director, HEFTER Maschinenbau GmbH Co. KG</td>
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<td>- Johannes Lutz, CEO, 3D Industrie GmbH</td>
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<td>- Dr. Simon Merkt Schippers, Director Business Development Aviation &amp; Aerospace, SLM Solutions Group AG</td>
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<td>- Dr. Stefan Tudyka, Director Business Development, ExOne GmbH</td>
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<td>13.15 - 16.00</td>
<td><strong>Workshop 2</strong></td>
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<td><strong>AM Kick-Start: How to Integrate 3D Printing in Your Factory?</strong></td>
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<td><strong>Moderator:</strong> Prof. Dr. Alexander Tsioupianidis, Berlin School for Economics &amp; Law (HWR Berlin)</td>
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<td>- Avi Cohen, Vice President, XJet Ltd.</td>
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<td>- Dr. Maike Grund, COO &amp; Member of Board, Bionic Production AG</td>
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<td>- N.N., AMFG Autonomous Manufacturing Ltd.</td>
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<td>13.15 - 16.00</td>
<td><strong>Workshop 3</strong></td>
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<td><strong>New Approach to Component Development: Design Freedom, Simulation and Optimized Design</strong></td>
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<td><strong>Moderator:</strong> Prof. Dr. Wolfgang Stölzle, Universität St. Gallen</td>
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<td>- Dr. Burghardt Klöden, Group Leader Additive Manufacturing – EBM, Fraunhofer IFAM</td>
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<td>- Keno Kruse, Business Development Manager Additive Manufacturing, CADFEM GmbH</td>
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<td>- Dr. Thomas Reither, Director Generative Design, simufact engineering GmbH</td>
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<td>- Gerd Schwaderer, Product Manager CAD &amp; CAQ, Volume Graphics GmbH</td>
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<td>- Tim Wischeropp, Head of Division AM Design, Fraunhofer IAPT</td>
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<td>- Timm Woszidlo, Senior Application Expert, IG03D GmbH</td>
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<td>13.15 - 16.00</td>
<td><strong>Workshop 4</strong></td>
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<td><strong>On the Way to Industrial Maturity: Small Series Production as First Step into AM Series Production</strong></td>
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<td><strong>Moderator:</strong> Prof. Gerd Witt, VDI Fachausschuss Additive Manufacturing/Universität Duisburg-Essen</td>
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<td></td>
<td>- Prof. Dr. Frank Döpper, Chair of Manufacturing and Remanufacturing Technology, University of Bayreuth</td>
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<td>- Dr. Wolfgang Hansal, Managing Director, Hirtenberger Engineered Surfaces GmbH</td>
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<td>- Sonja Rasch, Sales Director Manufacturing, Materialise GmbH</td>
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<td>- Matthias Steinbusch, Manager Sales EMEA, voxeljet AG</td>
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<td>- Markus Wolf, Head of R&amp;D, O.R. Lasertechnologie GmbH</td>
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<td>13.15 - 16.00</td>
<td><strong>Workshop 5</strong></td>
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<td><strong>Stable Series and Identical Components: Reaching the Benchmark &quot;Traditional Production&quot;</strong></td>
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<td><strong>Moderator:</strong> Prof. Dr. Michael Eßig, Bundeswehr Universität München</td>
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<td><strong>Experts:</strong></td>
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<td></td>
<td>- Frank Cremer, Direct Sales Manager, 3D Printers, 3D Systems GmbH</td>
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<td>- Sylvia Monsheimer, Head of Market Segment Neue 3D Technologien, Evonik Resource Efficiency GmbH (tbc)</td>
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<td>- Tobias Röhrich, CEO, GEFERTEC GmbH</td>
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<td>- Kai Witter, CCO, DyeMansion GmbH</td>
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<td>- Joachim Zettler, CEO, APWORKS GmbH</td>
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Program | March 11, 2020

16.00 - 16.40  Coffee Break & Networking in the Exhibition

16.40 - 17.10  Case Pitches

  5 Cases, 5 Minutes, 1 Stage

Moderator: Prof. Dr. Elmar Bräkling, Koblenz University of Applied Sciences

- Fabian Grupp, Business Development Management, nTopology GmbH
- Byron Kennedy, CEO, Spee3D
- David Leidenfrost, Head of Application Engineering, ELISE GmbH
- N.N., Spectroplast AG
- N.N., Ultimaker

17.10 - 17.30  AM Solutions for Aviation Services Markets – A Game Changer for Our Business?

Use Case: Aviation

Felix Hammerschmidt, Head of Additive Manufacturing Solutions, Satair A/S

17.30 - 17.50  Quality Assurance in Automotive Series: From Powder to Components

Use Case: Automotive

Dr. Bernhard Wiedemann, Director Additive Manufacturing Process & Control, Carl Zeiss Industrielle Messtechnik GmbH

17.50 - 18.00  Short Break

18.00 - 18.20  Blockchain & Additive Manufacturing – Erste Erfahrungen & Use Cases

Christian Schultze-Wolters, Director Blockchain Solutions DACH, IBM Deutschland GmbH

18.20 - 18.40  Additive Agriculture: Printed Components & Spare Parts on Field and Meadow

Use Case: Agriculture

Fritz Eckert, Head of FabLab, CLAAS KGaA

18.40 - 19.00  Additive Manufacturing @ LEGO

Use Case: Consumer Products

Ronen Hadar, Director Additive Design & Manufacturing, The LEGO Group

from 19.00  Champagne Reception and Flying Dinner in the Exhibition

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<td>08.00 - 08.45</td>
<td>Check-In &amp; Networking in the Exhibition</td>
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<td>08.45 - 09.15</td>
<td>Opening Address</td>
<td>Prof. Dr. Johannes Walther, CEO, Institute for Production Management</td>
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<td>09.15 - 09.35</td>
<td>Automated, Additive Series Production</td>
<td>Marie Langer, CEO, EOS GmbH</td>
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<td>09.35 - 09.55</td>
<td>Industrialization &amp; Standardization of AM for Series Production in the Automotive Industry</td>
<td>Dr. Maximilian Meixlsperger, Head of Additive Manufacturing Metal, BMW Group</td>
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<td>10.45 - 11.25</td>
<td>Track 1: Mass Customization</td>
<td>Bart van der Schueren, CTO, Materialise, Martin Hermatschweiler, CEO &amp; Co-Founder, Nanoscribe GmbH</td>
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<td>10.45 - 11.05</td>
<td>The Comeback of On-Demand Production?</td>
<td>Waldemar Hirsch, Coordinator AM, Audi Sport GmbH, Dr. Ole Bröker, Head of Business Development, trinckle 3D GmbH</td>
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<td>11.05 - 11.25</td>
<td>Economical In-House (Small) Series Production</td>
<td>Alice Chiu, Director, Head of Marketing, Asia Pacific &amp; Japan, Stratasys Ltd.</td>
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<td>11.30 - 12.10</td>
<td>Track 3: Human Value</td>
<td>Martine Kempf, Founder and CEO, KEMPF Inc., Tom Krause, Head of Additive Manufacturing, igus® GmbH</td>
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<td>11.30 - 11.50</td>
<td>Hybrid Bio-Printing: Learning Experiences for Other AM-Cases</td>
<td>Prof. Dr. Andreas Blaeser, Professor for BioMedical Printing Technologies, TU Darmstadt, CEO, Black Drop Biodrucker GmbH</td>
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<td>11.50 - 12.10</td>
<td>AM for Handicapped People: How AM Makes it Possible to Drive a Car</td>
<td>Alice Chiu, Director, Head of Marketing, Asia Pacific &amp; Japan, Stratasys Ltd.</td>
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<td>12.10 - 13.30</td>
<td>Lunch Break &amp; Networking in the Exhibition</td>
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<td>13.30 - 13.45</td>
<td><strong>Masterclass: AM in Series Production – Learning Experiences</strong>&lt;br&gt;Series Production &amp; Automation</td>
<td><strong>Moderator: Prof. Dr. Stephan M. Wagner, ETH Zürich</strong></td>
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<td>13.30 - 13.45</td>
<td><strong>Brand Quality – Translated into 3D-Printed Small Series</strong></td>
<td>Dr. Damien Buchbinder, Head of Product Management, TRUMPF Laser- und Systemtechnik GmbH, Torsten Meier, Vice President R&amp;D, Grohe AG</td>
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<td>13.45 - 14.00</td>
<td><strong>The Potential of Redesign &amp; Component Consolidation</strong></td>
<td>Dr. Thorsten Hickmann, CEO, Eisenhuth GmbH &amp; Co. KG, Dr. Armin Wiedenegger, Head of voestalpine AM Center, voestalpine High Performance Metals GmbH</td>
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<td>14.00 - 14.30</td>
<td><strong>Open Discussion</strong></td>
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<td>14.30 - 15.00</td>
<td>Final Networking Break in the Exhibition</td>
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<td>15.00 - 15.20</td>
<td><strong>Additive Manufacturing – Quo Vadis?</strong></td>
<td><strong>Outlook Keynote</strong>&lt;br&gt;Prof. Dr. Johannes Schleifenbaum, Chair of Digital Additive Production, RWTH Aachen University</td>
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<td>15.20 - 15.40</td>
<td><strong>#AM2025: The Additive Future</strong></td>
<td><strong>Outlook Keynote</strong>&lt;br&gt;N.N.</td>
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<td>15.40</td>
<td><strong>Closing Address</strong></td>
<td><strong>Closing Address</strong>&lt;br&gt;Prof. Dr. Johannes Walther, CEO, Institute for Production Management</td>
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Floor Plan – More than 100 exhibitors will present their AM solutions!
Event Information

Cross-Industry Networking on 3D Printing – Become Part of It!

Get more information on the potential use of additive manufacturing in your company.

Make your choices:

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<td>Date</td>
<td>March 11 - 12, 2020</td>
<td>March 11, 2020</td>
<td>March 12, 2020</td>
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<tr>
<td>Ticket Price</td>
<td>1.580 EUR</td>
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All tickets include access to the digital conference documents incl. all approved presentations and full catering. Please contact us for more information on exhibitor and sponsoring packages.

More Options:
- Participation at the Women in AM Event, March 10, 2020 (+ 350 EUR)
- Participation at Pre-Networking Event, March 10, 2020 (+ 200 EUR)
- Participation at a Workshop on March 11, 2020 (+ 150 EUR)

Participant tickets include access to the conference and to the digital conference materials of all released presentations. Full catering on the registered days is provided.

You can register online until March 10, 2020. If you cancel by January 30, 2020, we will refund the participation fee minus a processing fee of 100 Euro. Cancellations after this date will not be refunded. In this case, please send a representative to the ADDITIVE MANUFACTURING FORUM Berlin 2020. Special conditions for university members are available on request. In case of cancellation of the conference by IPM AG, the paid participation fee will be refunded immediately. Further claims are excluded.

Participant Registration

I hereby register bindingly:

First Name, Surname

Company Name

Job Title

Address

Postal Code | City | Country

E-mail

Phone

Date | Signature

Please fill-in and send the form to:
IPM AG · Institute for Production Management
Schiffgraben 42 · 30175 Hannover · Germany
Fax: +49 511 47314791 · E-mail: amf@ipm.ag

Contact Person:
Barbara Weingarten, Senior Project Manager
Phone: +49 511 47314796 · E-mail: b.w@ipm.ag

Online-Registration:
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