

PRESS RELEASE

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Fraunhofer Direct Digital Manufacturing Conference 2025, March 12-13, 2025

Fraunhofer DDMC 2025: International Conference on Additive Manufacturing in Berlin

The Fraunhofer Competence Field Additive Manufacturing presented the seventh edition of the “Fraunhofer Direct Digital Manufacturing Conference DDMC” in Berlin on March 12 and 13, 2025.

Industrial 3D Printing (also known as Additive Manufacturing, AM) is playing an ever increasing role in industrial production. New fields of application are emerging, and material development and process optimization are progressing steadily. This year's »Fraunhofer Direct Digital Manufacturing Conference DDMC 2025« offered an excellent platform to network with leading German and international experts from research and industry and to discuss the latest trends in AM.

More than 100 participants from 13 countries and 3 continents attended the 7th Fraunhofer DDMC 2025, in the Park Inn by Radisson Berlin Alexanderplatz, Germany. The top-class conference program offered over 20 sessions with 67 specialist lectures and more than a dozen posters, which presented current research results, technology developments and the latest industrial applications from the world of Additive Manufacturing. The focus was on topics such as process and material developments for metals, polymers and ceramics, post-processing, and the integration of artificial intelligence (AI) in Additive Manufacturing processes. Participants were also offered innovations on quality assurance, sustainability, and the digital process chain in AM.

On top, six outstanding keynote speakers from research and industry presented their very personal perspectives on the future of Additive Manufacturing: space technology expert **Prof. Enrico Stoll** from TU Berlin (Germany), computer-aided design and manufacturing specialist and Director of the CS & AI Lab at Massachusetts Institute of Technology (MIT), **Prof. Wojciech Matusik** (Cambridge, USA), digital manufacturing pioneer and entrepreneur **Ben Hartkopp** from Quantica (Berlin, Germany), **Prof. Bianca Colosimo**, co-director of the AddMe Lab at Politecnico di Milano (Italy) and finally, as a tandem keynote, **Dr. Sebastian Piegert** and **Dr. Cynthia Wirth** from Siemens Energy (Berlin, Germany), a global pioneer in the industrialization of AM.

Another highlight was the traditional evening event on the first conference day, which took place in the “*Wartehalle*”, a former waiting hall of a historic local Berlin train station, and gave room for personal exchange and networking in a relaxed atmosphere.

Editorial office

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At the end of DDMC 2025, the awards for Best Paper, Best Poster, and Best Presentation were presented, to honor the most exceptional contributions to the conference. These awards highlight the innovative and impactful research showcased during the conference.

The **Best Presentation Award** was won by **Ligeia Paletti** from German Aerospace Center (DLR) in Hamburg, Germany, for her talk on "*Design for Additive Manufacturing and Design for Sustainability: Synergies and Conflicts*".

The DDMC **Best Poster Award** was awarded to **Aron Pfaff**, Konstantin Kappe, and Markus Linnenberg from Fraunhofer EMI in Freiburg, Germany, for their poster titled "*Optimizing Kinetic Energy Absorbers by Additive Manufacturing*".

The **Best Paper Award** was presented to **Eike Tim Koopmann**, Tim Jäger, Christoph Kaminsky, and Henning Zeidler for their contribution on "*Development of Heating Strategies to Reduce Crack Formation in the Manufacturing Process of Tool Components Using Directed Energy Deposition*". This work was a collaborative effort between Mercedes-Benz AG in Stuttgart, Germany and the Institute for Machine Elements, Design and Manufacturing of TU Bergakademie Freiberg, Germany.

Next DDMC will take place in 2027 and again showcase the latest trends in Additive Manufacturing from research and industry worldwide.

Further information on the DDMC 2025 can be found here on the Internet:

<https://www.ddmc-fraunhofer.de/>

Further information on the Fraunhofer Competence Field Additive Manufacturing can be found here on the Internet:

<https://www.additiv.fraunhofer.de/>.

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Images in color and high resolution:

<https://www.ddmc-fraunhofer.de/en/review-ddmc/impressions.html>

1: DDMC 2025 Award winners with conference chairman Bernhard Mueller (left): Eike Tim Koopmann (2nd from left), Ligeia Paletti (2nd from right), Aron Pfaff (right)

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3: **DDMC 2025 keynote speakers (left to right):**

Ben Hartkopp, Prof. Enrico Stoll, Dr. Cynthia Wirth, conference chairman Dr. Bernhard Mueller, Prof. Bianca Colosimo, Dr. Sebastian Piegert, Prof. Wojciech Matusik

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