

Timeline/ Due Dates

Call for Paper published: **November 18, 2026**
Abstract submission: **February 28, 2027**
Abstract acceptance notification: **April 15, 2027**
Paper submission: **June 15, 2027**
Paper acceptance notification: **July 31, 2027**
Conference: **October 27-28, 2027**

www.ddmc-fraunhofer.de

Contact

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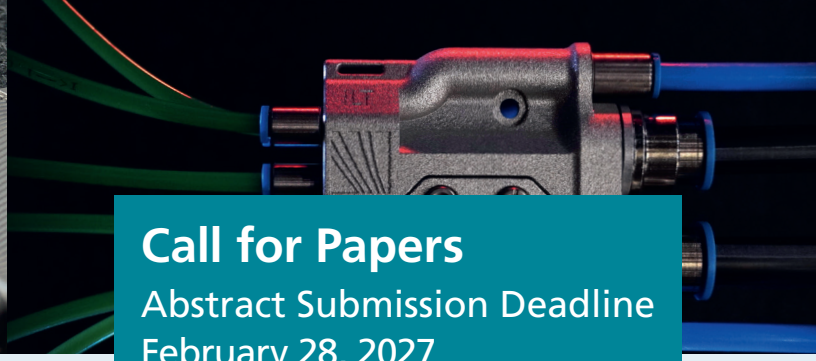
Presentations from **Industry** welcome!

DDMC 2027 | Frankfurt am Main | Oct 27-28, 2027

Call for Papers - Fraunhofer Direct Digital Manufacturing Conference 2027

DDMC2027
Fraunhofer Direct Digital Manufacturing Conference





Call for Papers

Abstract Submission Deadline February 28, 2027

Abstract Submission
www.ddmc-fraunhofer.de/submission

DDMC 2027 invites contributions advancing the science and industrial adoption of additive manufacturing across all materials, processes and application sectors.

Topics include, but are not limited to: (For detailed topics check website)

- **Artificial Intelligence & Data-Driven AM**
  - Machine level: Machine learning, generative and physics-informed AI, digital twins, sensor fusion and adaptive process control
  - Workflow level: Intelligent software, data infrastructures and interoperable workflows enabling increasingly data-driven manufacturing
- **Industrialisation & Quality-Assurance**
  - Scaling: Integrated process chains, automation, productivity, reproducibility, traceability, performance validation and economies of scale
  - Use-Cases: Product development, industrial applications and case studies, including on-demand, distributed/mobile manufacturing and mass customisation
  - Reliability: Monitoring, metrology, non-destructive testing and quality management
  - Regulatory: Standards, qualification and certification of materials, processes and parts process modelling and simulation
- **Materials, Processes & Simulation**
  - Materials: Materials science, feedstock development, characterisation and process–structure–property relationships across polymers, metals, ceramics, glasses, composites & biomaterials
  - Processes: Process fundamentals, machine technologies, hybrid and multi-material AM, bioprinting
  - Simulation: Modelling and simulation of materials and processes
- **Design & Products**
  - Design tools and approaches: co-design, generative & simulation-based design and AI-based design
  - Products: Functional integration, printed electronics, embedded sensors, architected materials and structures, bio-inspired designs and 4D printing
- **Sustainability & Resilience**
  - Efficiency: resource and energy efficiency, reuse, recycling, repair, remanufacturing and resilient manufacturing networks
  - Circularity: Sustainable feedstocks and life cycle assesment

The aforementioned topics provide broad areas of interest. Contributions spanning multiple topics or introducing new research directions. Submissions on innovative and visionary approaches not fitting the range of topics above are also welcome.

All accepted papers will be published in the DDMC conference proceedings and the 10 best papers in the peer-reviewed Springer Nature Journal »Progress in Additive Manufacturing«

DDMC's Scientific Commitee:

www.ddmc-fraunhofer.de/en/scientific-committee

Be Part of DDMC's Scientific Committee!