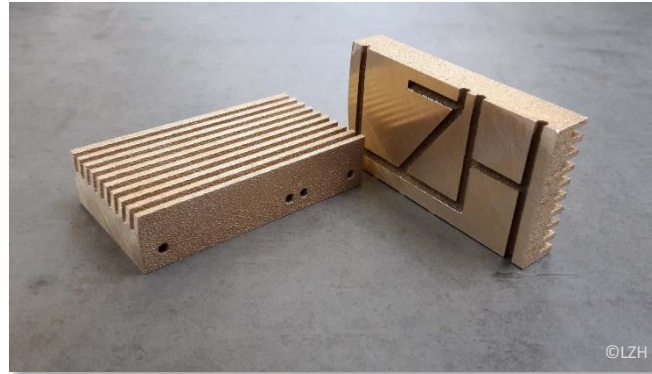


Additive Manufacturing processes are already being used successfully in wide-ranging areas such as automotive, aerospace, mechanical engineering, and medical technology. Due to high flexibility in production, there is a considerable added value compared to conventional processes. A decisive factor in the process chain of Additive Manufacturing is the design. With the added design freedom components can be newly designed and optimized. For an evaluation of suitability, potentials and requirements must be specified, geometries must be designed and components must be simulated and validated. In addition, a close link between internal company processes and business models and design is necessary.



Call for Abstracts Innovative Product Development by Additive Manufacturing

27 September 2022



Submit your abstract by 25 May 2022

Papers of accepted abstracts will be published in an ISBN numbered book by Springer Vieweg.

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* As of 01 March 2022.

Workshop Topics

Design and Optimization for Additive Manufacturing

Contributions to the development and design of components. Ensuring functional requirements and manufacturability as well as methods and tools for optimizing components. Finding solutions for concepts and design.

Manufacturing and Build Quality

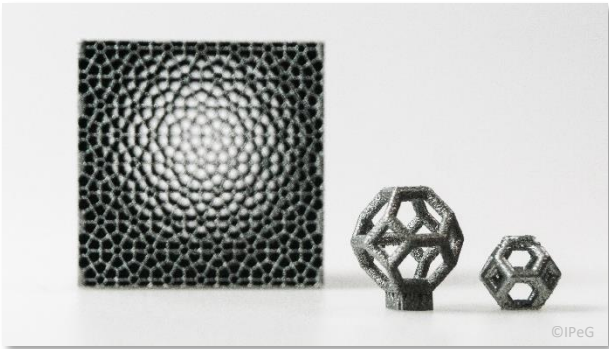
Contributions to production processes, quality management, documentation and compliance with quality standards. Enabling new materials and production technics.

Process Chain and Business Models

Contributions to the integration of Additive Manufacturing processes into existing processes, measures to increase value creation and the creation of new business models.

Digitalization and Mass Customized Production

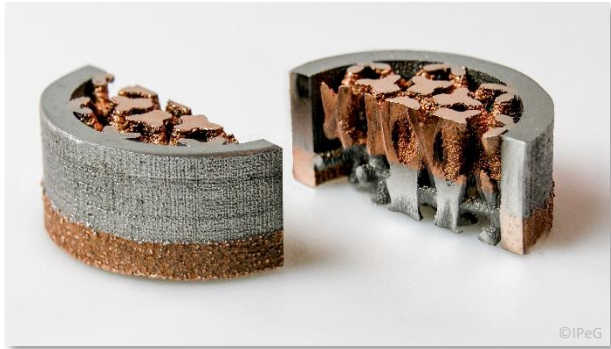
Contributions to the Digitalization of Additive Manufacturing. Creating solutions for tools and methods for digitalizing materials, part programming and standardization. Helping companies to create new processes and products needed by the market.



Efficient Cooling: Inner Structures for Heat Exchangers



New Designs: Heat Exchanger made with Selective Laser Sintering (SLS)



Additive Manufacturing using Multi-Metal LPBF

Program

Welcome	09:00 - 09:15
Session I	09:15 - 10:30
Coffee Break	10:30 - 11:00
Session II	11:00 - 12:15
Lunch Break Demonstration of Additive Manufacturing in the LZH's shop floor	12:15 - 13:45
Session III	13:45 - 14:45
Coffee Break	14:45 - 15:15
Session IV	15:15 - 16:15
Closing	16:15 - 16:30

Timeline and Submission Dates

Abstract Deadline	25.05.2022
Acceptance Notification	08.06.2022
Paper Submission Deadline	08.07.2022
Paper Review	19.08.2022
Final Paper Submission / Registration	16.09.2022
Workshop	27.09.2022

Contributions

Informal abstracts of maximum 150 words can be submitted by e-mail to AM@ipeg.uni-hannover.de until 25 May 2022.