

Event at a glance

Workshop Venue:

Ringhotel Munte am Stadtwald
Parkallee 299 | 28213 Bremen
Phone +49 421 2202 -0
www.hotel-munte.de

Book your room for this event directly at the hotel and benefit from the reduced Fraunhofer booking rate.

Tutorial Venue:

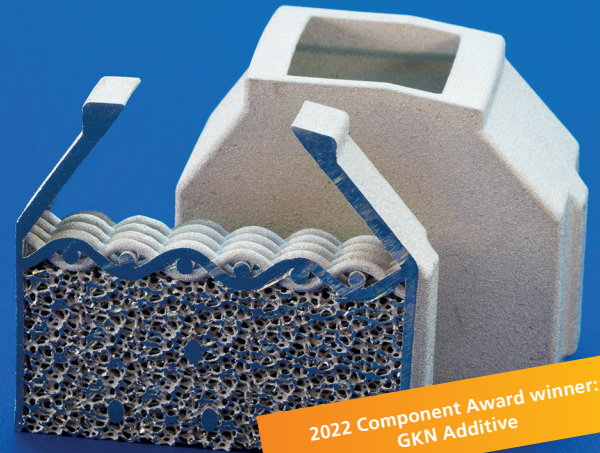
Fraunhofer Institute for Manufacturing Technology and
Advanced Materials IFAM
Wiener Strasse 12 | 28359 Bremen
www.ifam.fraunhofer.de

The number of participants for the tutorial is limited to a maximum of 30 people.

Contact

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12.-14. Sept. 2023, Fraunhofer IFAM Bremen

4. Workshop Sinter-based Additive Manufacturing + Tutorial

Program Tutorial

Tuesday 12 Sept 2023, Fraunhofer IFAM, Bremen

Part 1 The Fundamentals

Powder Characteristics: Methods and standards for metal powders – **Binders and Debinding:** Approaches for different SBAM processes – **Sintering:** Fundamentals and specialties of SBAM processes

Part 2 Processes

Feedstock Printing: Fused Filament Fabrication and extrusion-based processes – **Binder Jetting:** Fraunhofer IFAM's experiences and approaches – **Other Sinter-based processes:** 3D-Screen Printing, Lithography and other approaches

Part 3 Interactive sessions

Lab tour – Interactive sessions – wrap-up



The must-attend event
of the year 2023 for sinter-
based AM users«

Program Workshop Day 1

Wednesday 13 Sept 2023, Hotel Munte, Bremen

Session 1 - Sinter-based AM Introduction

Session 2 - Binder Jetting Lightweight Materials

Session 3 - Hardware for Binder Jetting

19.00 – 22.00 Evening get-together

Program Workshop Day 2

Thursday 14 Sept 2023, Hotel Munte, Bremen

Session 4 - Materials & Process Development

Session 5 - Other Sinter-based AM Processes

Session 6 - Supporting Analytics

With presentations from:

AMPower - Desktop Metal - Digital Metal - Elnik Systems -
Fraunhofer IFAM - GKN Additive - Incus - Headmade Materials -
HP Hewlett Packard - Kymera International/ECKA Granules -
National Research Council Canada - NORIMAT - RICOH Inc. -
Sandvik Additive Manufacturing - Triditive

Including a panel discussion on Day 2
and a tabletop exhibition on both days

2023 Sinter-based AM Component Award

Call for entries

Additive Manufacturing, like no other production technology, has received immense public attention these last few years, thanks to the potential to change industrial production.

To highlight the many advantages of sinter-based AM at the workshop's tabletop exhibition, we would like to invite all participants to submit sinter-based AM parts for our Component Award competition at the 2023 Sinter-based AM workshop.

The first three winners will each receive 10 minutes presentation time on the second day of the workshop where they may present their company and their sinter-based AM activities to all attendees.

The winners will also be presented in Fraunhofer IFAM's Social Media accounts and mentioned in all news releases that are related to the 2023 workshop.

Terms of participation

- Eligible for participation:
All natural persons, companies, institutes or co-operation teams consisting of members from science and commerce who attend the 2023 workshop. Participants must hold the copyrights for their submission(s) and must not violate existing rights of third parties.
- Each participant can submit a maximum of three components.
- Participation is free of charge.
- Entry forms for participation are available as download on the workshop's registration website or upon request from Claus Aumund-Kopp.

Criteria

- Material
- Design
- Economical aspects
- Application

Deadline for entries

In order to participate in the competition, the components must be shipped to:

Fraunhofer IFAM
Claus Aumund-Kopp
Wiener Strasse 12
28359 Bremen, Germany

prior to Tuesday, 1 August 2023. Please fill out a separate entry form for each submitted component.

