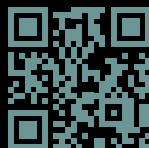# ACONITY3D

Program
2nd ACONITY3D
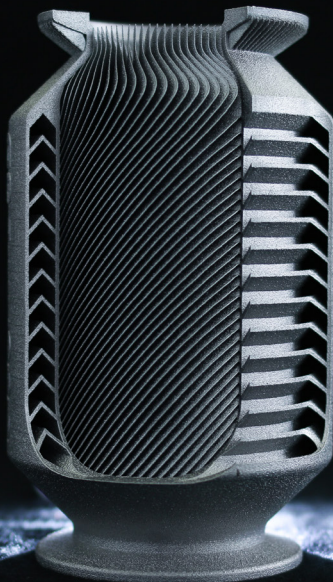## USER CONFERENCE

May 20-21, 2026

2nd Aconity3D USER Conference
Company Profile

Aconity3D GmbH specializes in the development of state-of-the-art and beyond machines for Additive Manufacturing. With modular and expandable machine platforms, Aconity3D enables not only established processes but also customer-specific solutions at an attractive perfor-mance-to-cost ratio.

The fully configurable machines offer maximum flexibility – from auto-mated solutions that require no user intervention to complete control over the entire process through their open system architecture.

A comprehensive hardware portfolio, hands-on train-ing, and tailored feasibility studies make additive manufacturing acces-sible to start-ups, medi-um-sized businesses, and industry leaders alike.

2nd Aconity3D USER Conference

Welcome

This year, we will be hosting our second conference – the **Aconity3D USER Conference**.
The conference will take place all day on **May 20-21, 2026** at **DAS LIEBIG** in Aachen and at the Aconity3D Headquarters in Herzogenrath.

The **Aconity3D USER Conference** aims to bring together industry experts, enthusiasts, and our valued users for a unique opportunity to exchange ideas, explore cutting-edge technologies, and delve into the latest advancements in additve manufacturing (AM). We are confident that this event will not only strengthen our community but also provide invaluable insights and experiences for all participants.

The event will feature a series of talks where experts from various fields will provide fascinating insights and valuable knowledge. Our speakers will discuss current industry trends, future developments, and innovative solutions.

Some additional highlights of the conference include:

- Company visit to Pulsar Photonics GmbH
- Interactive workshops covering various topics areas in our Headquarter in Herzogenrath
- Dinner and networking opportunities with fellow users

2nd Aconity3D USER Conference - Program
Day 1 – Wednesday, May 20, 2026

08.30 Check-In and Coffee Reception
DAS LIEBIG, Liebigstraße 19, 52070 Aachen

09.00 Welcome
Dr. Yves Hagedorn, Aconity3D GmbH, Herzogenrath

Talks
09.30 TBA
Dr. Tim Lantzsch, Fraunhofer ILT, Aachen

09.50 How Open Access Enabled Us to Succeed in an Industry Dominated by "Black Boxes"
Hunter Taylor, Trusted Metal LLC, El Paso

10.10 Processing of Magnesium WE43 in PBF-LB/M at IR and NIR Laser Wavelenghts - Challenges, System and Process Development
Arvid Abel, Laser Zentrum Hannover e.V.

10.30 Coffee Break

11.00 TBA
Simon Vervoort, Everllence SE, Augsburg

11.20 Potentials of Micro Laser-Based Powder Bed Fusion for the Fabrication of Sophisticated Parts
Dr. Dominic Bartels, Friedrich-Alexander-Universität Erlangen-Nürnberg

2nd Aconity3D USER Conference - Program
Day 1 – Wednesday, May 20, 2026

11.50 New Laser Sources for Additive Manufacturing
Philipp Kurze, IPG Photonics GmbH & Co. KG, Burbach

12.10 Lunch Break

13.30 TBA
César Terrazas-Nájera, The University of Texas at El Paso

13.50 Increasing Productivity in Laser-Based Powder Bed Fusion of Plastics Using Defocused Gaussian Beams
Joseph Hofmann, Technical University of Munich

14.10 Dynamic process control: Fusing Pyrometry and Thermal Simulation for Dynamic L-PBF Control
Tobias Baranzke, Aconity3D GmbH, Herzogenrath

14.30 Coffee Break

15.00 Multi-Scale Closed-Loop Thermal Control in Laser Powder Bed Fusion
Dr. Michael Robert Tucker, ETH Zürich

15.20 Day 1 Wrap Up
Dr. Yves Hagedorn, Aconity3D GmbH, Herzogenrath

Evening Event
19.00 Dinner and Networking Event
Ratskeller Aachen, Markt 40, 52064 Aachen

2nd Aconity3D USER Conference - Program
Day 2 – Thursday, May 21, 2026

08.45 **Check-In**
Aconity3D Headquarters, An den Glaswerken 2, 52134 Herzogenrath

09.00 **Start into the Day with Cocktail Reception**

Workshops
09.45 **Several Workshops will be offered in parallel**
The exact topics are not yet finalized and will be announced shortly.

12.00 **Lunch Break**

13.00 **Several Workshops will be offered in parallel**
The exact topics are not yet finalized and will be announced shortly.

Company Visit
14.15 **Shuttle Transfer to Pulsar Photonics**

14.45 **Company Visit at Pulsar Photonics**
Alte Würselener Str. 13, 52080 Aachen

16.45 **Shuttle to Aconity3D Headquarters**
An den Glaswerken 2, 52314 Herzogenrath

17.15 **Outlook**

2nd Aconity3D USER Conference - General Information
Location and Hotels

Venues
- **Talks:** DAS LIEBIG, Liebigstraße 19, 52070 Aachen, www.dasliebig.de
- **Workshops:** Aconity3D GmbH, An den Glaswerken 2, 52134 Herzogenrath
- **Networking Dinner Event:** Ratskeller Aachen, Markt 40, 52064 Aachen, www.ratskeller-aachen.de
- **Company Visit:** Pulsar Photonics GmbH, Alte Würselener Str. 13, 52080 Aachen, www.pulsar-photonics.de

Conference Language
All lectures are presented in English.

Shuttle Service
Hop on our shuttle from the meeting point in Aachen (location to be announced, close to Motel One, Aachen) to the Aconity3D Headquarter for engaging workshops and to Pulsar Photonics GmbH for an exclusive company visit.

Hotels
We recommend staying at Motel One Aachen ***, where a limited room block has been reserved.
After registration, you will receive the booking code.
Alternatively, we suggest the following hotels:
We strongly suggest making your reservation early in one of the following hotels:
- Hampton by Hilton - Aachen Tivoli ***
- Novotel Aachen City ****
- INNSiDE Aachen ****

2nd Aconity3D USER Conference - General Information
Conditions of Participation

Registration Fee
The registration fee for the 2nd Aconity3D USER Conference includes participation on both conference days, as well as lunch, light refreshments, and shuttle service. Additionally, participation in the networking event on the first day – including food and beverages – is covered by the fee. You will receive a **20 % early bird** discount for registration until February 15, 2026. If you like, you are very welcome to join us on Friday after the conference for the world-renowned CHIO - this year in a smaller, more familiar format as TSCHIO.

- Early Bird (-20 %): 440 €*
- Standard Fee: 550 €*

Prices are listed excluding VAT (19 %)

We also offer special student fees. Please reach out for your exclusive offer.

Registration
Please fill out the registration form, which can be found **here**. Please take note of the **discounted participation costs** if you sign up by **February15, 2026**. Following a successful registration, you will receive an invoice that can be paid by bank transfer along with a confirmation of your registration. Registration ends May 9, 2026. All further terms and conditions can be found in the registration form.

2nd Aconity3D USER Conference - General Information

Partners, Sponsors & Organization

We sincerely thank all partners and sponsors for their valuable support and contribution to this event. Your commitment helps make this experience possible.

Organizer
Aconity3D GmbH
An den Glaswerken 2
52134 Herzogenrath
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