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# ADDITIVE ALLIANCE 2021

Maximilian Vogt – 06.05.2021

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# ADDITIVE ALLIANCE Online // 06.05.2021 // Starting soon ...

**AIRBUS**



**FANUC**



**CONCEPTLASER**  
a GE Additive company



**YXLON**



**toolcraft**

**SIEMENS**

# AGENDA

<b>13:00 – 13:15</b>	<b>Welcome</b>	<b>IAPT, Prof. Dr.-Ing. Dr. h.c. Ralf-Eckhard Beyer</b>
13:15 – 13:30	Introduction Additive Alliance 2021	IAPT, Maximilian Vogt
13:30 – 14:45	Pitch-Presentations for Additive Alliance Studies 2021 and election	IAPT, Maximilian Vogt
<b>14:45 – 15:15</b>	<b>Coffee Break &amp; Networking</b>	
15:15 – 15:45	Introducing Metal 3D Printing with Ultrafuse® Filaments	BASF, Dr.-Ing. Tobias Rödlmeier
15:45 – 16:05	Trends in AM - the added value of sinter-based 3D printing technologies	AM Power, Matthias Schmidt-Lehr
<b>16:05 – 16:30</b>	<b>Coffee Break &amp; Networking</b>	
16:30 – 16:50	Heat Treatment for Additive Manufacturing – an underestimated process step	MUT Advanced Heating GmbH, Oliver Ehrensberger
16:50 – 17:20	Development of design automation and sinter based additive manufacturing processes for patient-specific finger joint implants	IAPT, Dr.-Ing. Philipp Imgrund
<b>Ab 17:20</b>	<b>Pub Quiz</b>	

# New Head of Additive Alliance



**Dr. Denise Loder**

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✉ [denise.loder@iapt.fraunhofer.de](mailto:denise.loder@iapt.fraunhofer.de)

# IAPT offers for Alliance members only

## Education and R&D

- PhD cooperation with Fraunhofer IAPT

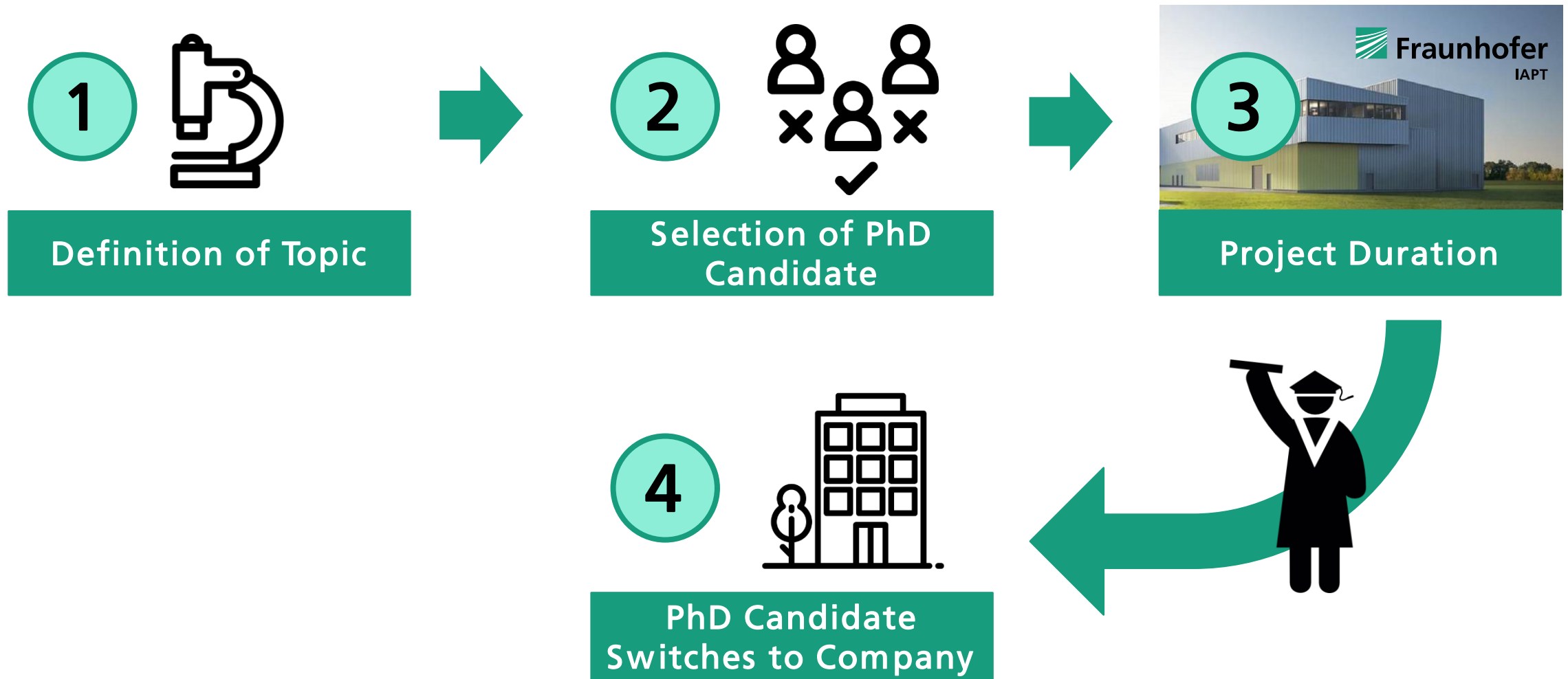
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# PhD Cooperation with Fraunhofer IAPT



# IAPT offers for Alliance members only

## Education and R&D

- PhD cooperation with Fraunhofer IAPT

## Take part in IAPT internal projects

- Finishing
- Beam shaping and control
- Copy protection of work piece
- Design manager
- Process manager
- Quality manager
- Container solution



Dr. Philipp Imgrund -740



Dr. Philipp Imgrund -740



Dr. Philipp Imgrund -740



Tim Wischeropp -722



Dr. Philipp Imgrund -740



Tim Wischeropp -722



Frank Beckmann -620

Contact: Dr. Denise Loder

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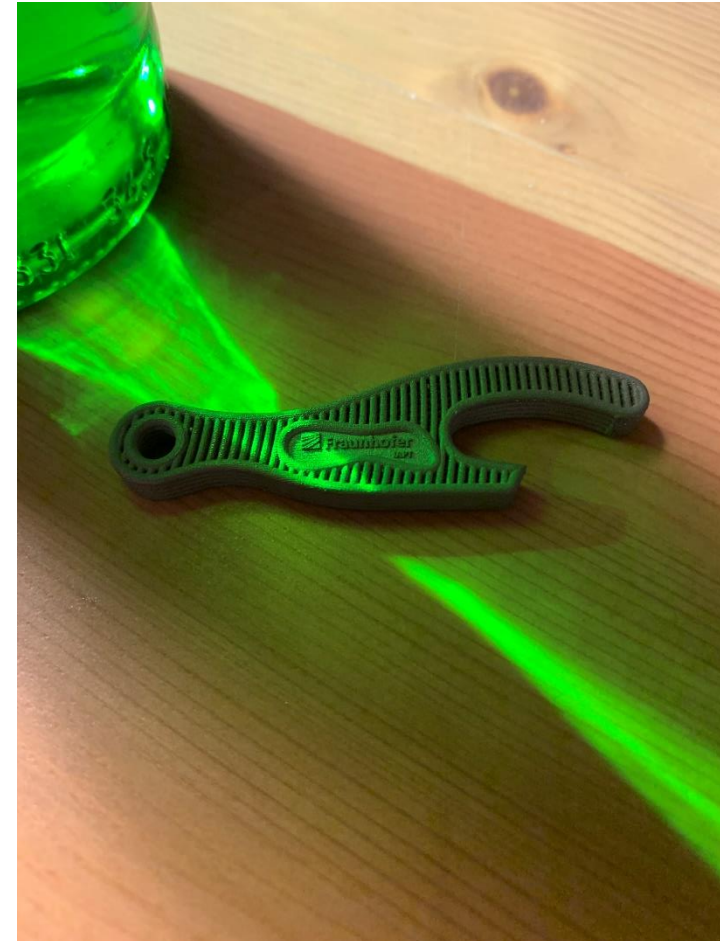
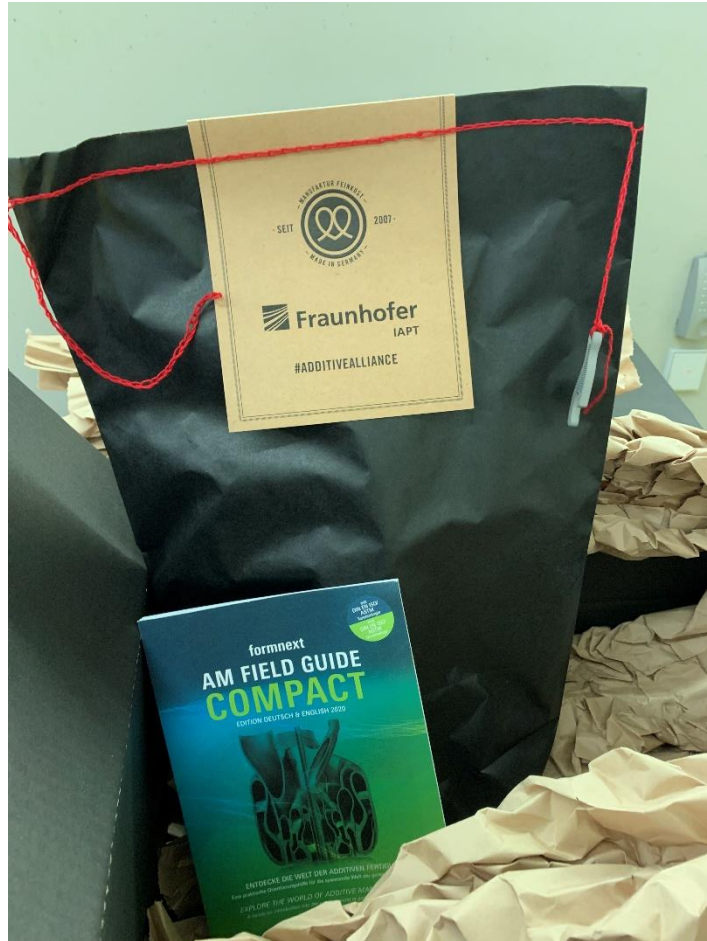


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# Care Package from Hamburg



# Questions?

The image shows a Zoom meeting window titled "Additive Alliance Netzwerktreffen". The top bar includes a clock showing 10:24, a toolbar with icons for participants, chat, and video, and buttons for "Raum betreten" and "Verlassen". A red circle highlights the chat icon in the toolbar. Two red lines extend from this circle to two callout boxes. The left callout box shows the Zoom reaction menu with icons for thumbs up, heart, clapping, smile, and hand raised. Below it is a text box that says "Please raise your hand". The right callout box shows the chat icon and a button labeled "Unterhaltung anzeigen". Below it is a text box that says "or type in your question in the chat!". The background of the meeting is a blue wall with the Fraunhofer IAPT logo and the text "Fraunhofer Hamburg".

# Networking Area

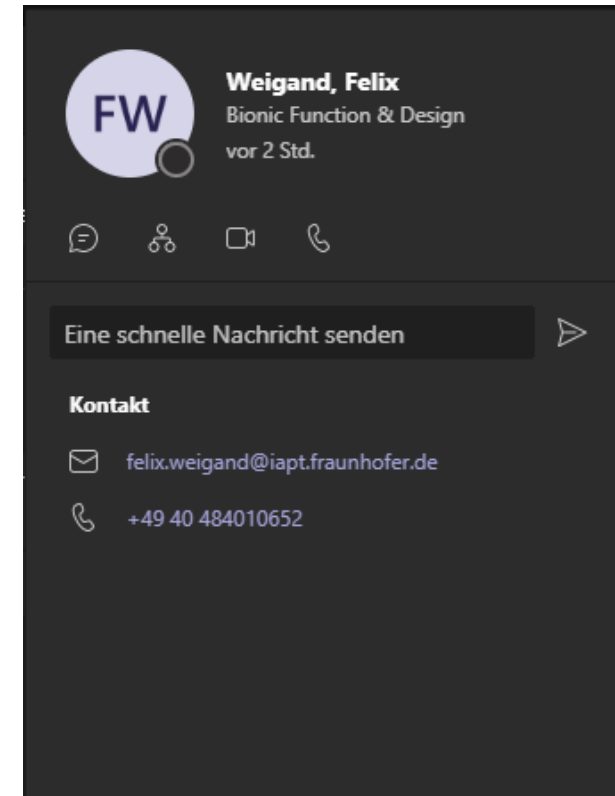
The screenshot shows a Zoom meeting window titled "Additive Alliance Netzwerktreffen". The top bar contains icons for participants, chat, gallery view, and a "Raum betreten" button circled in red. The main content area displays the Fraunhofer IAPT logo and a blue background. A dialog box (1.) is overlaid, asking "Gruppenraum beitreten?" with the message "Ihnen wurde „Networking Area“ zugewiesen." and two buttons: "Später" and "Raum betreten". A toolbar (2.) is also shown, containing icons for video, microphone, and screen sharing, along with "Raum betreten" and "Verlassen" buttons.

# Coffee Breaks

## Coffee Break & Networking

- Randomized Groups of 10 People
- 30 Minutes Time to talk
- You are **automatically assigned** to the rooms and also retrieved back to the presentations after the break

## Want to Talk to a specific person?





# Design for Additive Manufacturing Conference – AMTT



## DESIGN FOR AM: WHAT IS THE FUTURE OF PRODUCTS?

27/05/2021

- 9:15** New Functions in AM Design
- 9:30** Challenges & Solutions in Design for AM
- 10:15** Exploiting AM Design and Process Opportunities for Serial Production in Automotive
- 11:00** Generative Design and AM
- 11:45** Potential of AM to Realize High-Performance Biomimetic Design Solutions at Different Scales
- 12:30** Future of work campaign



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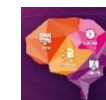
## Online Design for AM conference on May 27!

Free registration:

<http://dfam-conference.com/>

Organized by: Additive Academy

Funded by the Federal Ministry of Education and Research - BMBF



# New Name – Same Approach



Alliance Deep Dive –  
exclusive Additive Alliance member report

# Alliance Deep Dive 2021 // Procedure

## ADDITIVE ALLIANCE 2021 // Part I

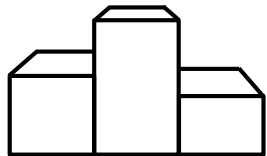
Today



7 Pitches presented by our Professional Groups



5 Minutes per Pitch



Open Discussion + Election in 3 rounds

## ADDITIVE ALLIANCE 2021 // Part II

October 2021

Presentation +  
Digital / Print Copy

