

## CU Innovation Day

### Advanced Air Mobility – Opportunities for Composite Materials

On March 20, 2024, 09:30 – 16:00 online @ CU MixUp World

Place: CU MixUp-World

Moderation: Sven Blanck & Bastian Brenken

Organizers:



Hosts:



The field of Advanced Air Mobility is a fast-progressing industry with a multitude of players, business cases and opportunities. Topics like Aerial Commuting Traffic, Urban Air Mobility and transportation services through Drones are in focus with many innovative ideas and interesting developments and use cases. With this CU-Innovation Day, we want to look at opportunities for Composite Materials in this interesting developing field. Since lightweight design is key for everything that flies as usual in the aerospace sector, composites play an important role – but what are the requirements and how does the framework look like? Join our CU-Innovation Day in our CU-Mix.Up World to learn more and engage with key players from the field of Advanced Air Mobility.

**The event will be held in English.**

#### Agenda

09:00 am Log in and Warm up

09:30 am **Welcome and Update Composites United e. V.**

Marc Fette, CTC GmbH

Patrick Pulendran, Hufschmied Zerspanungssysteme GmbH

Sven Blanck, Composites United e. V.

Dr. Bastian Brenken, Composites United e. V.

09:40 am **Integration of unmanned aircraft systems into urban transportation infrastructure - Guideline work in the VDI Technical Committee for Unmanned Aircraft Systems**

Friedrich Wilhelm Bauer, VDI Fachausschuss UAV

10:00 am **Speed-Dating & Networking**

10:20 am **4M composite upcycling technology for advanced air mobility**

Mr. Takaishi, JHI Co., Ltd. (Japan)

10:40 am **Coffee Break & Optional Networking**

11:00 am **High-rate series process development of Fiber composite components at Volocity**

Florian Brett, Volocopter

11:20 am **Advanced Air Mobility: Activities in the Windrove network Hamburg**

Robert Weist, Hamburg Aviation

11:40 am **The Role of Composites in Electric Regional Air Mobility**

Dr. Srinivas Vasista, VÆRIDION

12:00 pm **Advanced Air Mobility @ Hufschmied**  
Patrick Pulendran, Hufschmied Zerspanungssysteme GmbH

12:05 pm **Lunch Break & Optional Networking**

1:00 pm **High volume composites production for Advanced Air Mobility**  
Dr. Steffen Kress, Mubea Aviation

1:20 pm **Speed-Dating & Networking**

1:40 pm **When every gram matters - The world record human powered aircraft**  
Felix Herrmann, Team Odonata-Human Powered Aircraft

2:00 pm **Coffee Break & Optional Networking**

2:20 pm **Prospects for the development of UAV technologies based on the experience of use in Ukraine**  
Yurii Muzychuk, Ukrainian Cluster Advanced Materials Technologies

2:40 pm **Technology Transfer in Composite Technologies from Motor Cycles/Motor Sports to UAV/UAS**  
Stefan von Czamecki, KTM TECHNOLOGIES GmbH

3:00 am **AAM - Composites Challenges from a (Flight) Testing perspective**  
Daniel Sülberg, DLR (Drones, Cochstedt)

3:20 pm **Wrap up and transition to open-end networking**

4:00 pm **End of Event**