

CU-Innovation Day

“New opportunities and applications in space with composites”

organized by the CU clusters **CU Nord, MAI Carbon and Ceramic Composites**

A virtual event on **March 29, 2022** in the **MixUp World**

The area of New Space is a vastly growing and dynamic field with a high innovative potential and many exciting ideas. After decades where activities in space were dominated and funded mainly by governmental agencies, a new industry is forming and new business models are being developed around ideas like satellite-based internet, space travel, space mining, geo-monitoring etc. For space applications, lightweight design is crucial to keep the costs at a minimum. This Innovation Day will introduce the field of New Space and present the variety of exciting opportunities that arise for composites based on their excellent lightweight potential.

Agenda	
8:45 am	Login and informal networking
9:00 am	Welcome & News from Composites United Marc Fette, CTC GmbH Dr. Bastian Brenken, CU Nord Sven Blanck, MAI Carbon Denny Schüppel, Ceramic Composites
9:15 am	Keynote: Introduction to the field of New Space Klaus Schilling, VDI
9:45 am	New Space as an investment case Lynn Zoenen, Alpine Space Ventures
10:05 am	Coffee break & Networking
10:45 am	Structural Health Monitoring in Space Dr. Aswin Haridas, Testia
11:05 am	Reaching Space with Groundbreaking Efficiency Jonas Kellner, Rocket Factory
11:25 am	Composite Solutions for New Space Applications Bastian Behrens, Blackwave
11:45 pm	Lunch break & Networking
12:45 pm	New Space - DLR Agency View Susanne Heckroth, DLR
1:05 pm	Differentiating through Speed – Rapid Manufacturing of High-Performance Satellites Walter Ballheimer, Reflex
1:25 pm	Future Synergies in Space Composite Manufacturing Christoph Tschepe, INVENT GmbH
1:45 pm	Coffee break & Networking
2:15 pm	Powder based Additive Manufacturing in Space Lena Meyer and Prof. Jens Günster, Bundesanstalt für Materialforschung
2:35 pm	The other side of the coin – space debris Enrico Stoll, TU Berlin
2:55 pm	Innovative customized solutions for CMC in space industry Tobias Schneider & Denny Schüppel, MRM/Universität Augsburg
3:15 pm	Networking & End

Marc Fette, CTC GmbH, CEO & Host of the event
Dr. Bastian Brenken, CU Nord
Sven Blanck, MAI Carbon
Denny Schüppel, Ceramic Composites