

[Sehen Sie sich diese E-Mail im Browser an.](#)



Joint Japanese-German Newsletter
Connecting the Japanese and German Composite Industry

NEWS FROM THE CU NETWORK

1ST EDITION 2023

Dear partners from ICC-Network,

Welcome to the first joint Japanese-German newsletter. We are very pleased to launch this exchange channel to inform you regularly about exciting news and activities from the Composites United (CU) community. CU is one of the world's largest networks for fiber-based multi-material lightweight design, mainly active in Europe and a strong partner of ICC. You can find out more about our association at the end of this newsletter.

In the first issue you will find a review of the event highlights of the past months this year and information on our current publications.

We hope you enjoy reading this issue

Dr. Bastian Brenken

CU INTERNAL

**No European Green Deal without lightweight design technology:
Experts and politicians in top-level talks in Brussels**

Composites United, VDMA and Brandenburg University of Technology Cottbus-Senftenberg (BTU) had invited on behalf of the Strategy Advisory Board of the lightweighting initiative of the Federal Ministry of Economic Affairs and Climate Protection (BMWK) to Brussels on 04 May 2023 with the aim of promoting cooperation between science, industry and politics at European level. A continuation of this format is planned for next year.

[Read the press release here.](#)



LightCon 2023 – International lightweight conference sets impulses for a sustainable future

At this year's LightCon, which took place in Hanover on June 13, 2023, around 400 international experts discussed the importance of lightweight design against the backdrop of current challenges such as global warming, resource scarcity and rising energy costs. The conference, which was accompanied by an exhibition, proved to be a cross-industry meeting place that brought together people who work together to promote innovation and are committed to climate protection. [Read the full review here.](#)



CU at the conference “Cluster Collaboration in the Sustainable Regional Development” in Lviv, Ukraine

At the beginning of June 2023, Composites United e. V. (CU) followed an invitation to participate in the conference “Cluster Collaboration in the Sustainable Regional Development”, which was organized by the “Ukrainian Cluster Alliance” in Lviv (Ukraine) and supported by the Polish Cluster for Composite Technologies (PKTK) and the Lesser Poland Voivodeship. The conference’s main purpose was to discuss the role of technology and industry clusters for the regional development of Ukraine focusing on its rebuilding as well as the potentials in the field of research and industry cooperation that arise in this context through cooperation with established European clusters. [Read the press release here.](#)



Event Recap: CU Innovation Day: Interiors – Sustainable Materials and New Manufacturing Processes

At the end of May 2023, more than 85 participants gathered in the solar hall of the CFRP NORD Research Center in Stade to discuss the future of vehicle interiors at the „CU Innovation Day: Interiors – Sustainable Materials and New Manufacturing Processes“. This event, hosted by Composite Technology Center / CTC GmbH and organized by our clusters CU Nord and CU West, provided a platform to explore how we can integrate sustainable materials, innovative designs, and new manufacturing processes into modern vehicle interiors while ensuring a balanced approach. [Read the full review here.](#)



Review: CU Innovation Day “Automated Fiber Placement” at Conbility in Herzogenrath, Germany

At the CU Innovation Day on May 4, 2023 in Herzogenrath, everything revolved around Automated Fiber Placement (AFP). In this fully automated manufacturing process for composite parts, fiber-reinforced plastic tapes are robotically placed on the surface of the mold using pressure and temperature along a predefined path. There are now a number of technologies for automated robot-assisted placement of composites that can be considered not always in competition but also complementary, as they develop their potential differently in different applications. Together with the speakers and guests of the event, the special features, advantages, boundary conditions as well as challenges of the different technologies were discussed. [Read the full review here.](#)



The new CU reports is published

Our new CU reports is out! In issue 01.2023, we have dedicated ourselves to the topic of "Energy and resources - efficiency in production and application" and are pleased to present you with a variety of informative articles. In this issue, we pay special attention to the construction industry, because lightweight design also plays a crucial role here. Find out how composites can help realize energy-efficient and sustainable building concepts. Read about impressive case studies in which the use of composites has reduced resource consumption while at the same time increasing performance.

[Enjoy reading the new CU reports!](#)



Composites United Market Reports 2022 published – Overview of the current overall composites and CMC market environment

The annual update from Composites United assesses the global carbon fiber and composites market. It includes details on demand volumes, fiber manufacturer expansion, and long-term trends.

For the first time, the CU also presents a Ceramic Composites Market Report, which includes new analysis of matrix material groups.

The short versions are available in English on our website, while the detailed long version is available exclusively to CU members. Non-members can purchase the full version at a price of €2,400. The table of contents of the short version gives an overview of the contents of the full version. You can find more information and contact options [here](#).



ABOUT CU

About Composites United e. V. (CU)

Composites United e. V. (CU) is one of the world's largest networks for fibre-based multi-material lightweight design. Around 350 members have joined forces to form this high-performance industry and research association. Several regional and specialist cluster support the association's activities in the entire DACH region, as well as international representatives in Japan, South Korea, China and India.

Composites United e. V. was created with effect from January 1, 2019 from the merger of the two existing associations Carbon Composites e. V. and CFK Valley e. V. The headquarters of Composites United e. V. are in Berlin, while Augsburg and Stade remain as established locations.

Find out more about ...

[... our members](#)

[... our working groups](#) and [activities](#)

[... our projects.](#)



COMPOSITES
UNITED

*Copyright © 2023 Composites United e. V.
All rights reserved.*

Contact:

Composites United e. V.
Oranienburger Str. 45
D-10117 Berlin / Germany
bastian.brenken@composites-united.com