

CU Innovation Day „Sustainable Composites for future Applications“



September 25th - 26th 2024 at Kordsa Advanced Materials, Freisinger Landstraße 50, 85748 Garching

Moderation: Sven Blanck, MAI Carbon, Roy Thyroff, CU Bau, Denny Schüppel, Ceramic Composites

This joint event of MAI Carbon, Ceramic Composites and CU BAU of Composites United e. V. brings together the expertise of the various material classes - carbon fiber-reinforced plastics, ceramic matrix composites and fiber reinforced constructions. Special Focus will be within:

Resource-saving materials and the circular economy in bulidings

Innovative fiber types such as basalt, glass fibers, carbon fibers and bio-based matrices contribute to the conservation of resources. Recycling processes and the reuse of composite materials are important topics for the circular economy. In the construction sector, corrosion-resistant and weather-resistant composite materials ensure a long service life for buildings and infrastructure.

Lightweight design in hydrogen storage for mobility and energy technology

Hydrogen as a possible drive concept of the future offers huge opportunities. We want to take a closer look at the potential in transportation, defence technology and aviation.

Fiber-reinforced ceramics enable leap innovations in the energy transition

As time goes on, new fiber suppliers are entering the European market. In addition to military applications, there are also a number of civilian applications where Ox/Ox can be used. Particularly in the area of the energy transition, Ox/Ox enable completely new ways of making production more sustainable and bringing sustainable products to the market.

Agenda on 25.09.2024

11:00 Registration, Snacks & Networking

12:00 Welcome and Opening Remarks
Roy Thyroff & Sven Blanck, Composites United e. V.

12:10 Welcome and Opening Remarks
Kordsa

12:30 Political Welcome Remarks
Bavarian Ministry of Economic Affairs, Regional Development and Energy

12:45 Adhesive & Surface films
Kordsa

13:00 SMC nish weaving capabilities
Microtex

13:15 Session 1: Sustainable construction solutions

13:15 *The title of the presentation will be provided soon*
Prof. Alper İlki

13:35 *The title and Speaker of the presentation will be provided soon*
Çimsa

13:55 Sustainable Success today, with CO₂ reduced Carbon Fibers
Dr. Sarah Reiser, New Business Development, SGL Carbon Fibers GmbH

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- 14:15 Possibilities of carbon grid reinforcements with mineral binders under consideration of CO₂ reduction
Dr. Patrick Schäffel, General Manager, PAGEL Spezial-Beton GmbH & Co. KG
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- 14:35 Repair of Bus Lanes using High Performance Fiber Concrete (UHPFRC) as ultrathin whitetopping (UTW)
Matthias Braun, Division Civil Engineering – Ingenieurbau Deutschland, Implenia Construction GmbH

14:55 **Coffee Break & Networking**

15:15 **Session 2: CFRP for hydrogen applications**

- 15:15 Biobased & Flame Retardancy Product Portfolio
Kordsa

- 15:35 Hydrogen tanks for trucks
Requested: Carolin Cichosz, CTO Voith Composites

- 15:55 Thermoplastic winding technologies for hydrogen vessels and tubes – Benefits and challenges
Phillip Müller, AVANCO Composites

- 16:15 CU Wild Card: Apply for talk!

16:35 **Finish & Transfer to Oktoberfest via Bus**

- 18:00 **Get Together @ Oktoberfest Munich (Hotel transfer around 21:00 o'clock)**

Agenda on 26.09.2024

09:00 **Session 3: CMC for sustainable applications**

- 09:20 CMC for energy saving
Antonios Tontosakis, VP Technology Materials, Kordsa North America

- 09:40 *The title and speaker of the presentation will be provided soon*
Axiom

- 10:00 Continuous oxide-ceramic fibers „Made in EU
Marco Hildebrandt, Senior R&D Manager, Rath GmbH

- 10:20 Impact of High Denier Fabrics on Ox-Ox CMC
Stefan Friedrich, Technical Manager, Advanced Materials Division, 3M Deutschland GmbH

10:40 **Coffee Break & Networking**

- 11:00 Infusion fabricated oxide CMC – From prototyping to series production
Dr. – Ing. Michael Welter & Dr. Ing. Vito Leisner, DLR-WF

- 11:20 Ox/Ox Produced by Schunk
Dr.-Ing. Johanna Schmidt, Dr.-Ing. Florian Reichert & Dr.-Ing. Thomas Wamser

- 11:40 Ceramic Composites as Gamechangers for Thermal Runaway protection in Electric Vehicles
Dr. Mathias Kunz, CEO of WPX Faserkeramik GmbH

- 12:00 Application potentials of OCMC in the chemical industry
Dr. Matthias Sentko, High Temperature Reactions, BASFE SE

12:20 **Wrap-Up & Forecast**

12:30 **Lunch and Networking**

Hotel Information

Courtyard Munich Garching
Walther-von-Dyck-Strasse 12 Garching bei Muenchen, Germany 85748

[Book your group rate for Innovation Day 'Sustainable Composites'](#)

You will find the information for your online reservation link below. If you have questions or need help with the link, please do not hesitate to ask. We appreciate your business and look forward to a successful event.

Event Summary:

Innovation Day 'Sustainable Composites'

Start Date: Wednesday, September 25, 2024

End Date: Thursday, September 26, 2024

Last Day to Book: Wednesday, September 11, 2024

Booking and cancellation policy: A credit card guarantee is required to reserve a room for all guests. Booked rooms can be canceled free of charge up to 7 days before arrival. For each room canceled after this time, we charge 90% of the room price for the entire duration of the stay. In the event of a no-show, we will charge 100% of the room price for the entire duration of the stay. In both cases, the guest's credit card will be charged.

Hotel(s) offering your special group rate:

Courtyard Munich Garching for 219 EUR per night

