

## CU Innovation Day

### CMC and CFRP in energy conversion & storage

Date: 2<sup>nd</sup> of March 2023  
Address: Schunk Kohlenstofftechnik GmbH, Rodheimer Str. 59, 35452 Heuchelheim, GER  
Moderation: Denny Schüppel

The decarbonization of many production processes and our environment are currently in strong political and social focus. At the Innovation Day, we would like to address the topics of energy conversion and energy storage and what contributions CFRP and CMC can make. We are looking forward to exciting presentations on gas turbines, chemical plant engineering and hydrogen tanks. The Innovation Day will be rounded off with a World Cafe discussion format and parallel tours of the Schunk production halls. In the evening, we will finish the day together over dinner.

Program	
10:00	<b>Welcome coffee and snacks</b>
10:20	<b>Welcome and introduction</b> Ulrich von Hülsen, Schunk Group Florian Reichert/Stefan Schneeweis, Schunk Kohlenstofftechnik GmbH Denny Schüppel/Dietmar Koch, Ceramic Composites
10:45	<b>Ceramic Matrix Composites (CMCs) at GE: From inception to commercialization</b> Krishan Luthra, GE Research, USA
11:15	<b>The story of OCMC hybrid tubes and their potential applications in chemical reaction engineering</b> Grigorios Kolios, BASF, Germany
11:45	<b>Engineered Carbon fiber based electrodes for RFB-systems</b> Thomas Rabbow, AvCarb, Austria/USA
12:15	<b>Lunch Brake</b>
13:15	<b>CMC Innovations made by Schunk</b> Florian Reichert, Schunk Kohlenstofftechnik, Germany
13:45	<b>Hydrogen storage: the new generation of hydrogen tanks</b> Carolin Cichosz, Voith Composites, Germany
14:15	<b>Siemens Energy - Contributing to climate neutrality by transforming the industrial and energy sectors</b> Jens-Erich Doering, Siemens AG, Germany
14:45	<b>World Café / Company visit</b>
18:00	<b>End of the Innovation Day</b>

## Overall Program

### Wednesday, 1<sup>st</sup> of March 2023

13:00 –  
16:00      **PhD working group**

19:00 –  
open end      **Dinner / City Center**

### Thursday, 2<sup>st</sup> of March 2023

08:30 –  
10:00      **General Meeting CU West**

10:30 –  
18:00      **Innovation Day: CMC + CFRP in the energy conversion & storage**

18:00 –  
20:00      **Dinner / Schunk**

20:30 –  
open end      **Get together / City Center**

### Friday, 3<sup>rd</sup> of March 2023

09:00 –  
15:00      **Working Group CMC**

15:30      **End of the March Meetings @ Schunk**