



Working Group - Machining & Surface Technology of CMC Expert-Group - Finishing

„Data Science applied in machining and process technology of CMC“

on **May 12th, 2023 at the TZA (Technologiezentrum Augsburg)**

Address: Am Technologiezentrum 5, 86159 Augsburg

Moderation: Prof. Dr. Ralf Goller, University of Applied Sciences Augsburg, Head of the Working Group

Data Science and its tools AI (Artificial intelligence) and ML (machine learning) are on everyone's lips. Application and turning it into commercial or scientific benefit is a challenge for companies as well as research institutions. Goal of the seminar is first of all to identify and discuss individual subjects of interest, which could later lead to joint projects.

Agenda

9:00 Coffee

9:15 **Welcome, general remarks and news from the CU**
Denny Schüppel, Managing Director Ceramic Composites
Prof. Dr. Ralf Goller, Technical University of Applied Sciences Augsburg

9:30 **Introduction of the participants**
Everybody

9:45 **Application of Data Science Methods on Machining of CMC**
J. Macken, Augsburg Technical University of Applied Sciences

10:15 **Increasing the machineability of hard, brittle materials and CMC**
Dr.-Ing. M. Gröb, Head of Future Applications - Kern Microtechnik

10:45 Coffee Brake

11:00 **Presentation of a project idea: Machining of Oxide Ceramic Matrix Composites**
G. Puchas, (UNI-Bayreuth); P. León-Peréz (Technical University of Applied Sciences Augsburg)

11:30 **Round table discussion and further steps**
Moderation: Prof. Dr. Ralf Goller

13:00 Lunch Snack

14:00 **Live demo of inline surface scan of a CMC sample (lab)**

15:00 **End of the seminar**

Vorabendtreffen:

Am **Donnerstag, den 11. Mai 2023** im **Riegele Brauhaus, Augsburg** ab **18:30 Uhr**

Anfahrt: Frölichstraße 26, Augsburg

Wir laden Sie ein, melden Sie sich bitte bei Denny.Schueppel@composites-United.com rechtzeitig an!

