



Wolfgang Hillen Summer School 2023

Ceramic Matrix Composites – Light-Weight, Efficient and Sustainable Materials for Aerospace and Spin-Off Application

List of participants with presentation title

Monday	Prof. Steven Nutt – University of Southern California CMCs for gas turbines, space, and hypersonics – present and future outlook
	Wylie Simpson – Axiom Manufacture & Design of Ceramic Matrix Composite Prepregs
	Georg Puchas – University of Bayreuth Automated spraying process for the manufacturing of short fiber oxide fiber composites
	Carineh Ghafafian – University of Southern California Composite Repairs Across Applications
	Nico Langhof – University of Bayreuth Tribology and wear of CMC materials - A black box!?
Tue.	Markus Demharter - Brembo Ceramic brakes – A life saving spin-off from Space
Wednesday	Stefan Schafföner – University of Bayreuth New developments in processing of CMC
	Dietmar Koch – University of Augsburg Development of sustainable ceramic matrix composites (SCMC)
	Judith Mossburger-Will – University of Augsburg Tailoring of CMC properties by adjustment of fiber matrix adhesion
	Stefan Flauder – University of Bayreuth Size Effect of Strength for Carbon Fiber-Reinforced Silicon Carbide Composites (C/C-SiC)
	Günter Motz – University of Bayreuth Silazane/PAN Hybrid Polymers as Precursor for Ceramic Nonwovens with Exceptional Properties
Friday	Kang Lee – NASA Glenn Research Center Environmental Barrier Coatings for Ceramic Matrix Composites
	Florian Reichert – Schunk Industrial CMC applications for challenging environments