CAMAC | Center for Additive Manufacture of Advanced Ceramics

***Agenda** - June 5th, 2024*

June 5th	**Zoom link:** ...to follow **Room Location:** Room 408, **Bioinformatics**, UNC Charlotte
9:30 - 9:45	Coffee, etc.
9:45 – 10:10	Welcome & CAMAC updates **–** *B. Mullany (UNC Charlotte)*
Start Technical Session	
10:10 –10:30	Additive Formation of Ordered Ceramic Nanocomposites using Selective Laser Melting– ***Aidan Restelli****/H. Zhang (UNC Charlotte)*
10:30 -10:50	Additive Manufacturing of High-Entropy Ceramics: Next Generation Ultra-high Temperature Ceramics- ***Reeba Thomas****/Qiuming Wei (UNC Charlotte)*
10:50-11:10	Immersive Training for Additive Manufacturing of Technical Ceramics using Augmented Reality - ***Gabri Joseph Sherwin Gnanaraj****/J. Outeiro*
11:10 -11:30	***Invited speaker –*** Brief intro to Lithoz Printing Capabilities **– *Beth Bornick****, Business Development Lead for Ceramics AM*
	Break - 15 minutes
11:45-12:05	A Self-Healing UHTC-reinforced Composite using Selective Laser-induced Reaction Sintering (SLRS) Process for High-Temperature Thermal Stability - ***Shalini Rajpoot & Kaushik N. Vinod*** */ C. Xu & T. Fang (NC State)*
12:05 - 12:25	Direct Ink Writing of SiC/C Ceramic Matrix Composites – ***Trevor Williams****/Y. Chen & E .Joyee (UNC Charlotte)*
12:25 - 12:45	Stereolithography of SiC for advanced manufacturing for materials for Harsh Environments – ***Tien Herd****/ S. Schmid (UNC Charlotte)*
12:45- 13:05	Ceramic AM for the manufacture of monolithic flexure mechanisms (externally funded via CPM) an update - ***Anand Rathnam****/ S. Smith (UNC Charlotte)*
13:05 - 13:20	Correlating Component Integrity with Surface Characteristics at Each Stage of Ceramic AM Manufacturing – some brief updates *A. Allen &* ***B. Mullany*** *(UNC Charlotte)*
13:20	Wrap up