

Agenda- November 29th 2022

Nov 29 th EST	Zoom link – in calendar invite
10:30 – 11:00	In-Person Registration: EPIC Room 1332 – coffee & snacks available
11:15 -11:20	General CAMAC updates – Mullany Equipment Updates - Schmid
11:20 – 13:00	Current Project Updates:
11:20- 11:40	“3D printing/Additive manufacturing of photocurable silicone carbide-polymer composite with densified microstructures” - Raham/Joyee/ El-Ghannam (UNCC)
11:40- 12:00	“Discrete Element Method Analysis of Ceramic Powders for Advanced Manufacturing” – Shenouda / Abu-Ledbeh (NC A&T)
12:00-12:20	“Stereolithography of Silicon Carbide” – Herd/Schmid/Mullany (UNCC)
12:20-12:40	“3D Printing of Ultra-High Temperature Ceramics (UHTCs) using Selective Laser-induced Reaction Sintering (SLRS) Process” – /Xu/Fang (NC State)
12:40- 13:00	“Correlating Component Integrity with Surface Characteristics at Each Stage of Ceramic AM Manufacturing”– Andrews/Allen/Mullany (UNCC)
13:00- 13:10	<i>Application update:</i> “Ceramic AM for micro-scale flexural devices” – S. T. Smith (UNCC)- given by Mullany
13:10-13:10	Wrap up and Next steps
13:15	Adjourn Zoom – Head to Duke to tour the facilities