

Tentative Agenda

Nov 4 th EST		Speaker
10:00 -10:30	Introduction: Center vision and activities	CAMAC Leadership
10:30 -11:00	Invited Talk: “Working at the National Lab: Energy and Ceramics”	Corson Cramer (ORNL)
11:05 – 12:30	Proposal presentations: 10 mins proposal (7 mins +Q&A)	See Appendix A
12:30 - 1:00	Break: Zoom breakout rooms will be open	Open to all
1:00 1:30	<p>Industry opportunities and challenges:</p> <ul style="list-style-type: none"> ○ “Manufacturing Opportunities with DANC” Presenter: <i>Phil Williams</i> <i>(Defense Alliance of North Carolina - DANC)</i> ○ “Update on the NIST ceramics AM project” Presenter: <i>Igor Levin</i> <i>(NIST)</i> <p><i>(Contact bamullan@uncc.edu if you wish to avail of this opportunity at the next CAMAC meeting)</i></p>	
1:30- 2:15	<p>University Capabilities:</p> <ul style="list-style-type: none"> ○ <i>NC State – C. Xu</i> ○ <i>NC A&T – S. Desai</i> ○ <i>UNC Charlotte – Y. Chen & B. Mullany</i> 	
2:15-2:30	Wrap Up:	CAMAC Director
2:30 - ...	Networking: Adjourn to Remo for Networking :	Open to all

Technical Assistance: Taylor Barret-Crvich (cbarre20@uncc.edu)

Center Website: <https://camac.charlotte.edu/>

Appendix A – Proposal Presentations

Time	Title	Presenter
11:05	<i>Development of Molecular Dynamics Capabilities for Additively Manufactured Ceramics in Ballistic Applications</i>	Alireza Tabarraei (UNCC) / Praveen Ramaprabhu (UNCC)
11:17	<i>Discrete Element Method Analysis of Ceramic Powders for Advanced Manufacturing</i>	Taher Abu-Ledbeh (NC A&T)
11:29	<i>Stereolithography of Silicon Carbide</i>	Steve Schmid (UNCC) / Brigid Mullany (UNCC)
11:41	<i>Additive Manufacturing of Ceramic Materials for Artificial Bone Grafts</i>	Cheryl Xu (NC State) / Ahmed El-Ghannam (UNCC)
11:53	<i>Ultrafast High-temperature Sintering for Additive Manufacturing of Ceramics</i>	HaiTao Zhang (UNCC)
12:05	<i>3D printing/Additive manufacturing of photocurable silicone carbide-polymer composite with densified microstructures</i>	Erina Baynojr Joyee (UNCC)/ Ahmed El-Ghannam (UNCC)
12:17	<i>Spatial Analysis of Additively Manufactured Ceramic Surfaces</i>	Brigid Mullany (UNCC)



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