Ceramic Additive Manufacturing Workshop

Sponsored by UNCC's Research and Economic Development (RED) Office

Agenda - October 15th-16th 2020

Thursday Oct 15: 15:00 – 16:30 *Moderated by UNCC*		
15:00	**Introduction** of the workshop objectives and the long term targeted research activities	*Brid Mullany/Steve Schmid*
15:30	**Overview of attendees.** ***Note:*** *A list of attendees is available via* [*https://coefs.uncc.edu/bamullan/ceramic-am-workshop-attendees/*](https://coefs.uncc.edu/bamullan/ceramic-am-workshop-attendees/) *Password: ceramic_am*	*Brid Mullany/Steve Schmid*
15:40 – 16:30 (or however long you wish)	The **networking room** will be open! The Remo.co platform allows to attendees to join tables (double click on a table) to have a zoom like chat with those at the table. You can move from table to table, invite people to a table, etc.	*All participants welcome*
Friday Oct 16: 9:00 – 13:45 *Moderated by NCDMM*		
9:00	Welcome	*Brid Mullany/Steve Schmid CoE Dean Robert Keynton*
9:10	Overview of the day's activities and initial icebreaker o Brief introductions and use of Mural.co (communal white board)	*Tara Sarver and Scott Deutsch (NCDMM)*
9:40 (~35min)	**Panel 1:** Three short presentations followed by Q&A: o Andrew Allen will provide a brief review of the outcomes from the NIST workshop on Ceramic Additive Manufacturing held October 2019 o Corson Cramer will provide a brief overview of Oak Ridge interests and activities in this area o Peter Durcan will provide insights on current commercial trends and interests	*Andrew Allen (NIST) Corson Cramer (Oak Ridge), Peter Durcan (3DCeram)*
10:15 (~35min)	**Panel 2:** Three short presentations followed by Q&A o Bernice Aboud will provide insights on ceramics AM in biomedical applications o Lisa Rueschhoff will briefly outline AFRL's interests in ceramic AM o Wyatt Du Frane and/or Joshua Kuntz will outline current ongoing efforts at LLNL	*Lisa Rueschhoff (AFRL) Bernice Aboud (Johnson and Johnson) Wyatt Du Frane and/or Joshua Kuntz (LLNL)*
10:50	**Workshop ACTIVITIES: – Two breakout rooms – Mural.co will be used**	*Participants will be split into two breakout groups*
10:55 (~45 min)	**1. Creative Matrix** – structured brainstorming (prepopulated application and technology areas)	*Tara Sarver and Scott Deutsch will each moderate a breakout room.*
11:40 (~45 min)	**2. Affinity Clustering** – clustering and identifying patterns and common elements *Clustering centering on technology pillars*	
12:25 (~25 min)	**3. IMPACT (importance) DIFFICULTY Matrix** – track impact and difficulty to identify possible targets for concept posters – which would include an Impact (importance) Difficulty 'rating'	
12:50 (~30 min)	**4. CONCEPT POSTERS** – 3 to 4 "pitch posters" per breakout group – identifying potential projects and collaborative teams	
13:20	**Shares and Report outs**	
13:30-13:45	**Wrap up and next steps**	*Brid Mullany/Steve Schmid*

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