

ASTM INTERNATIONAL CONFERENCE ON ADDITIVE MANUFACTURING

Research To Application
Through Standardization

October 31 – November 4, 2022 | Orlando, FL
JW Marriott Orlando Bonnet Creek Resort & Spa

Submit an Abstract at www.amcoe.org/icam2022

Additive Manufacturing of Ceramics: Challenges & Opportunities

With the maturation of additive manufacturing (AM) technologies and processes, ceramic components can be realized with complex geometries and suitable structural and functional properties. AM of ceramic components has already been leveraged for applications in many industries such as aerospace, defense, biomedical, dental, and satellite components. As this trend becomes more ubiquitous, more applications are expected to be developed and implemented.

This symposium covers the following ceramic AM topics:

- Review of existing technologies and materials
- New material feedstock development
- Quality control of pre- and post-processing challenges
- Defect identification, characterization, and mitigation strategies
- Commercial value in various applications
- Process and design-dependent structural and functional performance and evaluation
- Characterization for understanding processing-structure-properties-performance relationship
- Design for ceramics in additive manufacturing



Symposium Organizers

- Shawn Allen, Lithoz America, USA
- Brandon Cox, Honeywell, USA
- Jason Jones, Moog, USA
- Sean Looi, Creatz3D Ceramics, Singapore
- Sadaf Sobhani, Cornell University, USA



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