

ASTM INTERNATIONAL CONFERENCE ON ADVANCED MANUFACTURING

Research to Application through Standardization

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Non-Metallic Materials: Ceramics

This symposium focuses on progress in additively manufactured ceramic materials with an emphasis on the latest advancements with reference to material properties, mechanical performance, novel applications, and use cases. Symposium topics include ceramics, ceramic composites, multi-material systems, UHTCs, electronics, and more. In addition, this symposium will highlight the maturation of additive manufacturing technologies and processes with these ceramic materials and how they work together to produce complex geometries with suitable structural and functional properties.

Topics of interest include but are not limited to:

- Material Extrusion
- Binder Jetting
- Vat Photopolymerization
- In-situ measurements for process control
- Novel ceramic additive manufacturing post-processing
- Feedstock development and characterization
- Highly loaded systems
- Printability predictions
- Theory, modeling, simulations
- Sustainability in processes and materials
- Sintering strategies for single- and multi-material components
- Qualification of AM ceramics



Symposium Organizers

- Shawn Allan, Lithoz, USA
- Brandon Cox, Honeywell, USA
- Jason Jones, Moog Inc., USA
- Russell Maier, NIST, USA
- Sadaf Sobhani, Cornell University, USA



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Research to Standards

ADDITIVE MANUFACTURING