

ASTM ICAM2023



ASTM INTERNATIONAL CONFERENCE ON ADVANCED MANUFACTURING

Research to Application through Standardization

October 30 – November 3, 2023 | Washington D.C.

Submit an Abstract at www.amcoe.org/icam2023

AM of Non-Metallic Materials

This symposium focuses on progress in additively manufactured non-metallic materials with an emphasis on the latest advancements with reference to material properties, mechanical performance, novel applications, and use cases. Symposium topics include ceramics, composites, biomaterials, polymers, electronics, and more. In addition, this symposium will highlight the maturation of additive manufacturing technologies and processes with these non-metallic 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:

- Materials extrusion, direct ink write, embedded direct ink write
- Bioprinting, biomanufacturing
- Powder bed fusion, SLS
- Binder Jetting
- Photolithography, SLA, DLP
- Novel control systems for soft matter
- In-situ measurements for process control
- Ceramic additive manufacturing processing
- Feedstock development and characterization
- Highly loaded systems
- Printability predictions
- Theory, modeling, simulations
- Sustainability in processes and materials



–Symposium Organizers

- Shweta Agarwala, Aarhus University, Denmark
- Brandon Cox, Honeywell, USA
- Sean Looi, Creat3D, Singapore
- Jonathan Seppala, NIST, USA
- Sadaf Sobhani, Cornell University, USA



CENTER of
EXCELLENCE

Research to Standards

ADDITIVE MANUFACTURING