

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

3D Printed Polymers and Polymer Matrix Composites

Polymers form a significant portion of additively manufactured printed products. Challenges with implementing polymer-based additive manufacturing include material and process standardization, unique test standards, lack of documented design, analysis, qualification and certification methods, and a limited trained workforce.

This symposium covers the following aspects related to polymer additive manufacturing for part production:

- Advances in polymer materials for additive manufacturing
- Polymer additive manufacturing technology
- Material property characterization and test methods for feedstock materials and additively manufactured parts
- Process influence in physical, chemical, and mechanical characteristics of additively manufactured parts
- Design and analysis methods
- Characterization of defect formation and effects of defects
- Certification methods including product, design, production, or airworthiness
- Installation qualification (IQ), operational qualification (OQ), and performance qualification (PQ)
- Workforce training, education, and operator certification



Symposium Organizers

- Rachael Andrulonis, WSU-NIAR, USA
- Cindy Ashforth, FAA, USA
- Jonathan Seppala, NIST, USA
- Carl Dekker, Met-L-Flo, USA



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ADDITIVE MANUFACTURING