Additive Manufacturing Feedstock

Characteristics of the feedstock used in additive manufacturing greatly impact the quality of fabricated parts and can be essential for the integrity of parts for functional and safety critical applications. Feedstock materials are available in various forms, including powder and filament/wire, with varied characteristics. New test methods, acceptance criteria, and standards are to be developed for the complete characterization of the feedstock materials.

This symposium covers the following aspects of feedstock for AM:
- Methods for powder characterization
- Development of strategies for powder re-use
- Considerations in powder storage, handling and management
- Higher quality powder feedstock from improved manufacturing methods
- Requirements for wire in DED processes
- Influence of feedstock characteristics on the final quality of parts
- Standardization needs for feedstock characterization and acceptance criteria

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