AM Feedstock

Additive manufacturing feedstocks are available for a broad range of material types and in various forms, including powder, wire, filament, inks, etc. New offerings are continuously introduced to the market with varied and unique characteristics. In some cases, all of the critical feedstock characteristics which significantly impact the quality of each process step are not fully understood quantitatively. Therefore, a proper understanding of AM feedstock characteristics and key variables contributing to their performance can be essential for production of AM parts with repeatable quality. New characterization 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:
- AM Feedstock landscape and modality specific requirements
- Influence of feedstock characteristics on the final part quality
- Advances in feedstock characterization methods and technologies
- New materials and novel production techniques for AM feedstock
- Economics of AM feedstock
- Developments/requirements for powder storage, handling, conditioning and reuse strategies
- Developments in AM feedstock sustainability
- Standardization needs for AM feedstock