

Amplifying Additive Manufacturing Standardization

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As the Additive Manufacturing (AM) industry moves towards series industrial production, the need for standards covering all aspects of the technology becomes ever more prevalent. While some standards and specifications for the various aspects of AM process chain exist and continue to evolve, many such standards still need to be matured or are under consideration/development within standards development organizations (SDOs). A resource to aid in the identification and development and approval of AM standards is a framework that has introduced a comprehensive structure to target various aspects of the AM space, including feedstock materials, design, process/equipment, testing, safety, and finished parts properties. The approach will also enable the development of application-specific standards to address the needs of the various industries. This presentation will discuss the state of the AM standards including gaps, challenges, opportunities and insight based on a recent initiative to establish global center of excellence to support research and development and close the standardization gaps that exist. Potential collaboration opportunities with the stakeholders and technical considerations in support of ongoing/future standards development will also be discussed.