NIST - ASM International
Virtual Additive Manufacturing Data Management Workshop

27-28 October 2020

NIST in partnership with ASM International will hold a
virtual additive manufacturing (AM) data management workshop.

Workshop Purpose

Establish a strategic path forward regarding needed AM data management. Build consensus between industry, government, and academia as to the specific objectives, challenges, & approaches to be pursued in order to accelerate AM part deployment and reduce the time and cost associated with **AM process qualification**. Inform NIST programmatic strategy in AM data science. The launch pad for this event is based on fundamental tenets established in prior government, industry and academia workshops.

Workshop Structure

The workshop will be executed over a two-day period. The workshop will kick off with a plenary session consisting of SME addressing the **Findability**, **Accessibility**, **Interoperability**, and **Reusability** (FAIR) of AM data. Participants will be divided into working group(s) and spend approximately 4 hours addressing the What, Why, Where, and How questions associated with implementing FAIR from an end user perspective.

Fair -	Metadata and data should be easy to find for both humans and computers.
Accessible -	Once the user finds the required data, she/he needs to know how can they be accessed, possibly including authentication and authorization.
Interoperable -	The data usually need to be integrated with other data. In addition, the data need to interoperate with applications or workflows for analysis, storage, and processing.

Reusable -	The ultimate goal of FAIR is to optimize the reuse of data. To achieve this, metadata and data should be well-described so that they can be replicated and/or combined in different settings.

NIST
ASM International

Event Point of Contacts

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