

Technology Exchange on Coordination of U.S. Standards Development for Additive Manufacturing

WELCOME

Technology Exchange on Coordination of U.S. Standards Development for Additive Manufacturing

Session I: Opening Session with Presentations from Standards Organizations

1:00	Welcome and Introductory Remarks	Dr. Nicholas Jones, EVP and Provost, Penn State Mr. Edward Morris, Director, America Makes Ms. Katherine Morgan, EVP, ASTM
1:15	Objectives of the Technology Exchange	Richard Martukanitz, CIMP-3D Penn State
1:30	ASTM F42.05 Committee Presentation with Discussion	John Slotwinski, Johns Hopkins APL
2:10	SAE Presentation with Discussion	Edward Manns, SAE International
2:50	Break	
3:10	ASME Y14.46 Committee Presentation with Discussion	Paul Witherell, NIST
3:50	ASTM E07.10 Committee Presentation with Discussion	Jess Waller, NASA JSC White Sands Test Facility
4:30	AWS Presentation with Discussion	Todd Palmer, CIMP-3D Penn State
5:10	Adjourn Session I	
6:00	Evening Reception and Networking Event	

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Session II: Presentations Representing User Perspectives

8:00	America Makes Roadmapping Results Pertaining to Standards	Kevin Creehan, America Makes
8:30	NIST Perspective on Needs for Standards and Discussion	Shawn Moylan, NIST
9:00	Concepts for Performance Qualification and Discussion	Michael Gorelik, FAA
9:30	DoD Perspective of Needs for Standards and Discussion	Paul Huang, DoD JDMTP
10:10	Break	
10:30	Panel Discussion Representing Industry Perspectives	Kevin Slattery, Panel Chair, Boeing Robert Cohen, Stryker David Abbott, GE Brian Thompson, GKN Aerospace Jess Boyer, Pratt & Whitney Brian McTiernan, ATI Powder Metals
11:20	Objective and Guidelines for Collaborative Sessions	Richard Martukanitz, CIMP-3D
11:30	Adjourn Session II and Begin Collaboration Sessions	
12:00	Working Lunch in Collaboration Sessions	

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Collaboration Group A: Dialogue on Coordination of U.S. Standards

Collaboration Facilitator: Shane Collins, MB CaIRAM LLC

- 11:30** Introduction of Collaboration Facilitator and Scribe Team
- 11:45** Definition of Collaboration Objectives:
How Can Coordination of U.S. standards for Additive Manufacturing be Achieved?
- 12:00** Working Lunch in Collaboration Sessions
- 12:00** Assignment of Structured Discussion Teams:
What are the near-term needs for additive manufacturing standards.
Who is currently developing various facets of additive manufacturing standards?
What are the scenario for coordination of additive manufacturing standards development.
How can coordination of U.S. Standards for Additive Manufacturing be achieved?
How do we move forward in U.S. Standards in Additive Manufacturing?
What are the future goals for U.S. Standards in Additive Manufacturing?
- 1:30** Presentation and Discussion of Team Results
- 3:00** Preparation of Summary for All Participants

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Collaboration Group B: Dialogue on Qualification and Certification

Collaboration Facilitator: Michael (Mick) Maher, DARPA

- 11:30 Introduction of Collaboration Facilitator and Scribe Team**
- 11:45 Definition of Collaboration Objectives:
What is Necessary to Implement an Initial Performance Qualification Protocol for Additive Manufacturing?**
- 12:00 Assignment of Structured Discussion Teams:
What are the near-term needs for an additive manufacturing performance qualification protocol.
What existing qualification protocols cover requirements for additive manufacturing?
What is necessary to implement an initial performance qualification protocol for additive manufacturing?
How can initial qualification protocols for additive manufacturing be developed?
How do we move forward in qualification protocols for Additive Manufacturing?
What are the future goals for quality and certification protocol in Additive Manufacturing?**
- 1:30 Presentation and Discussion of Team Results**
- 3:00 Preparation of Summary for All Participants**

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Session IV: Summaries and Discussion

- 3:30 Summary of Collaboration Group A and Discussion, Shane Collins, MB CalRAM LLC
- 4:15 Summary of Collaboration Group B and Discussion, Mick Maher, DARPA
- 5:00 Adjourn Technology Exchange