



1st ASTM Additive Manufacturing Center of Excellence Workshop

March 25, 2019

Auburn Marriott
Opelika Resort & Spa
at Grand National
Opelika, AL

www.astm.org



Registration
is limited to
150
participants

About the Workshop

To ensure the accelerated and successful adoption of additive manufacturing (AM) across a variety of industry sectors, those involved in AM technologies need a holistic understanding of the entire AM process and how they can benefit from standardized practices to ensure quality and reliability.

This one-day workshop will offer participants a unique and comprehensive snapshot of the entire AM value chain, including powder, design, processing, postprocessing, non-destructive inspection, qualification, and certification. The workshop will also address gaps in standardization and workforce development for AM technologies and how the newly formed AM Center of Excellence (CoE) is employing a combined approach of R&D and targeted standards development.

Who Should Attend

The workshop is open to all professionals in the AM community who want to learn about the latest AM standardized practices, including industry representatives (aerospace, medical, automotive, and defense), academics, and government agencies.

Why You Should Attend

This workshop offers a unique opportunity to learn from and engage with leading experts in the AM technology field. Each of the 12 interactive sessions is designed with industry needs in mind and will illustrate the role and value of standards to achieving accelerated product qualification and certification for AM.

You will also learn about the most current standardization activities occurring within the AM technology space, as well as the unique role of the ASTM AM CoE in transitioning targeted AM R&D projects into standards, workforce education and training.

Earn Program Credit

This workshop is the first offering of the ASTM AM CoE's new Education & Workforce Development (E&WD) Program, which will provide training opportunities for various levels of the AM workforce. This workshop will build towards a comprehensive, longer term Training Certificate endorsed by the ASTM AM CoE.

Each participant in this first workshop will receive a Verification of Completion that may be applied as credit toward earning a Training Certificate through the new E&WD program, which will be aligned with the principles outlined in ASTM E2659 (Standard Practice for Certificate Programs).

Session Topics

The sessions are designed to offer participants insight into every step in the AM value chain and product qualification process.



Agenda

7 a.m.	Breakfast Feedstock	2 p.m.	Non-Destructive Evaluation & Inspection <i>Jess Waller, NASA</i>
8 a.m.	Powder Specification <i>Nick Weeks, LPW/Carpenter Additive</i>	2:45 p.m.	Break Qualification & Structural Integrity
9:30 a.m.	Powder Characterization <i>Steven Hall, The MTC</i>	3 p.m.	Mechanical Characterization of AM Metallic Materials <i>Nima Shamsaei, Auburn University</i>
10:15 a.m.	Break Design for AM	3:45 p.m.	Mechanical Characterization of AM Non-Metallic Materials <i>Rachael Andrulonis, NIAR</i>
10:30 a.m.	Design for AM <i>David Rosen, Georgia Tech University/ SUTD</i>	4:15 p.m.	Break Standardization & Certification
	Materials & Processing	4:30 p.m.	AM Standardization <i>John Slotwinski, John Hopkins University</i>
11:15 a.m.	Materials & Process Development <i>Frank Medina, EWI/UTEP</i>	5 p.m.	Aerospace Certification <i>Michael Gorelik, FAA</i>
11:45 a.m.	Lunch	5:30 p.m.	Medical Certification <i>Matthew DiPrima, FDA</i>
12:45 p.m.	Process Qualification <i>Doug Wells, NASA</i>	6 p.m.	Social Networking Event
	Post Processing		
1:30 p.m.	Post Processing <i>Alex Kitt, EWI</i>		

How to Register

Early registration rate (before March 1, 2019)
\$250 for ASTM Members
\$300 for Non-Members

Regular registration rate (after March 1, 2019)
\$350 for ASTM Members
\$400 for Non-Members

Additional registration details, an overview of the workshop agenda, and a list of presenters may be found at www.amcoe.org/workshop

Supporting Organizations



America Makes

Innovate UK



Sponsoring Organizations



For more information, contact the technical chairs:

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