

Additive Manufacturing

STRUCTURAL CERTIFICATION THROUGH TEST AND DATA EVALUATION

June 11 – 12, 2019 | NIAR, Wichita, Kansas

TUESDAY, JUNE 11

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| 7:30 – 9:00 AM | Registration and Check-in |
| 8:00 – 9:00 AM | Breakfast |
| 9:00 – 9:30 AM | Welcome, Introductions, Agenda
Phil Sears and Scott Beckwith, SAMPE |
| 9:30 – 10:00 AM | NIAR and NCAMP Mission and Approach
Royal Lovingfoss, NIAR |
| 10:00 – 10:30 AM | America Makes: Technical Program on Qualification - Certification Collaboration
Rob Gorham, America Makes |
| 10:30 – 11:00 AM | Break |
| 11:00 – 11:30 AM | Composite Based Additive Manufacturing (CBAM) 3D Technology
Jeff DeGrange, Impossible Objects |
| 11:30 AM – 12:00 PM | Accelerating Additive Manufacturing Standardization
Mohsen Seifi, ASTM |
| 12:00 – 12:30 PM | Material Property Considerations During Part Qualification
Amber Andreaco, GE Additive |
| 12:30 – 1:30 PM | Lunch |
| 1:30 – 2:00 PM | Aerospace Material Solutions
Bender Kuktub, Stratsys |
| 2:00 – 2:30 PM | Boeing Additive Manufacturing – Shaping the Future
Troy Haworth, Boeing |
| 2:30 – 3:00 PM | Break |
| 3:00 – 3:30 PM | Tool Path Coupled Process Simulation for Additive Manufacturing
Peter Woytowicz, AVERO |
| 3:30 – 4:00 PM | History and Approach for Additive Manufacturing Development and Implementation at Northrop Grumman
Eric Barnes, Northrop Grumman |
| 4:00 – 4:30 PM | AM materials: Now, Where the Future May Lay, and Some NIAR Additive Manufacturing Research Interests
Chris Holshouser, NIAR |
| 4:30 – 4:45 PM | Wrap Up, Evaluation, Tomorrow's Agenda
Phil Sears and Scott Beckwith, SAMPE |
| 6:00 – 8:30 PM | Wichita Chapter Dinner & Technical Presentation and Networking |

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WEDNESDAY, JUNE 12

7:30 – 9:00 AM	Registration and Check-in
8:00 – 8:50 AM	Breakfast
8:50 – 9:00 AM	Agenda Review Phil Sears and Scott Beckwith, SAMPE
9:00 – 9:30 AM	CMH-17 for Additive Manufacturing: Integration of the ULTEM 9085 Qualification Data and Guidelines Rachael Andrulonis, NIAR
9:30 – 10:00 AM	Faster, Lower Cost 3D Printed Metals and Composites Craig Wisneski, Markforge
10:00 - 10:30 AM	EVONIK
10:30 – 11:00 AM	Break
11:00 – 11:30 AM	Statistical Tools and Use with Additive Manufacturing Dr. Beth Clarkson, NIAR
11:30 AM - 12:00 PM	Is Additive Manufacturing Ready for Automotive and Aerospace Qualification? Brian Stitt, UDRI
12:00 – 1:00 PM	Lunch
1:00 – 3:30 PM	NIAR Tour
3:30 – 4:00 PM	Wrap-up and evaluation Phil Sears and Scott Beckwith, SAMPE