

EVENT AGENDA

Monday, March 16

Registration

8:00 AM – 4:00 PM

+ **Additive Manufacturing Fundamental Certificate Course & Exam**
8:00 AM – 5:00 PM

+ Pre-Conference Workshops

9:00 AM – 12:00 PM

- Automation is a Journey - Robotics, Industry 4.0, Factory of the future, Where should I even Start?
- Metal Additive Manufacturing, Robust Development and Implementation for Competitive Advantages

+ Bell Headquarters Tour

1:00 PM – 4:00 PM

+ Pre-Conference Workshops

1:00 PM – 4:00 PM

- Aerospace Coatings & Corrosion Control: Materials & Applications
- Analytics for Automation
- Additive Manufacturing for Aerospace Spares and Repairs

Complimentary Early Arrival Reception for Conference Attendees & Exhibitors

6:00 PM – 7:30 PM

Tuesday, March 17

Registration

7:00 AM – 4:30 PM

✓ **Composites Manufacturing Awards**
8:00 AM – 8:20 AM

✓ **Keynote: Continuous Innovation & Development of the F-35 Program**

8:20 AM – 9:00 AM

Greg Ulmer, VP and General Manger F-35 Program, Lockheed Martin Aeronautics Company

✓ **Panel Discussion: Next-Generation Automation for Aerospace Composites**

9:00 AM – 10:00 AM

Moderator: John Russell, DSc, AFRL

✓ **Exhibits Open, featuring Aerofied Preferred Supplier Pavilion**

10:00 AM – 5:30 PM

+ Technical Conference Sessions:

10:20 AM – 12:00 PM

- Dimensional Management Methods
- Augmented Reality and AI
- Metal Additive Manufacturing
- Automated Systems for Aerospace
- Advanced Manufacturing

✓ **Career Development Forum**

11:15 AM – 12:50 PM

✓ **Featured Presentation: Bond It...Don't Bolt It! Challenges & Opportunities for Structural Bonding**

1:00 PM – 1:50 PM

Doug Decker, President

The Composites Consultants & Brietta Oakley, Material and Process Engineer Lockheed Martin Aeronautics Company

✓ **SME's Research & Development Speed Presentation Challenge**

2:00PM – 3:30 PM

+ Technical Conference Sessions:

2:00 PM – 4:10 PM

- Automated Composites Manufacturing I
- Advanced Inspection Technologies
- Air Force ManTech Program
- Next Generation Additive Manufacturing
- Automation & Robotics I

✓ **Welcome Reception on the Exhibit Floor**

4:00 PM – 5:30 PM

+ **AeroDef Roundup at Billy Bob's Texas**

6:30 PM – 9:00 PM

Wednesday, March 18

Registration

7:00 AM – 4:30 PM

✓ **SME's Research & Development Speed Presentation Challenge Awards**

8:00 AM – 8:20 AM

✓ **Keynote: Composites, Automation & Data in Aerospace Manufacturing**

8:20 AM – 9:00 AM

Gerould Young, Director Materials & Manufacturing Technology Boeing Research & Technology

✓ **Panel Discussion: Industry 4.0 for Aerospace Manufacturing in 2020: Impact, Challenges and Best Practices**

9:00 AM – 10:00 AM

Moderator: Avner Ben-Bassat, President & CEO, Plataine Ltd.

✓ **Exhibits Open, featuring Aerofied Preferred Supplier Pavilion**

10:00 AM – 5:30 PM

+ Technical Conference Sessions:

10:20 AM – 12:00 PM

- Panel Discussion: Challenges and Rewards – Pushing the Envelope on Large Bonded Structures
- Manufacturing for Space
- Smart Manufacturing for the Factory of the Future
- Applications for Additive Manufacturing
- Automation & Robotics II

✓ **Featured Presentation: Cybersecurity Maturity Model Certification**

1:00 PM – 1:50 PM

Katie Arrington, Chief Information Security Officer for Acquisition, Office of the Under Secretary of Defense for Acquisition and Sustainment, OUSD (A&S)

+ Technical Conference Sessions:

2:00 PM – 4:10 PM

- Automated Composites Manufacturing II
- Precision Machining
- Smart Manufacturing for Industry 4.0 I
- Large Scale Additive Manufacturing
- Automation & Assembly

✓ **Networking Reception: The Deck at the SME ZONE**

4:00 PM – 5:30 PM

Thursday, March 19

Registration

7:30 AM – 12:00 PM

+ Technical Conference Sessions:

8:15 AM – 9:50 AM

- Quality & Inspection of Composites
- Advanced Additive Manufacturing
- Digitizing the Smart Factory
- Design Considerations for AM

+ Technical Conference Sessions:

10:05 AM – 11:40 AM

- Composite Processes & Materials
- AM in Process Inspection
- Smart Manufacturing for Industry 4.0 II
- Cybersecurity & Cyberphysical

+ Tour: Lockheed Martin Aeronautics Facility, Fort Worth

1:00 PM – 4:00 PM

✓ **Included with your Exhibits Registration**

+ **Additional Registration Fee Required**