COLLEGE OF ENGINEERING

UNIVERSITY of WASHINGTON

The Collaborative Center for Advanced Manufacturing (CCAM) will help foster collaboration, discussion, and innovation in advanced manufacturing between UW researchers, industry, and other external parties.

Aerospace Forum Faculty Lead:
Anthony M. Waas, Boeing-Egtvedt Chair, Professor of Aerostructures
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Website:
https://www.engr.washington.edu/facresearch/ccam

Event WiFi:
UW NetID: event0498
Password (case sensitive): uESf=oEJn=aYRg

UW Collaborative Center for Advanced Manufacturing (CCAM)

AEROSPACE EXECUTIVES FORUM

FUNDAMENTAL DESIGN FOR MANUFACTURABILITY

JANUARY 14, 2016
UNIVERSITY OF WASHINGTON

CCAM
COLLABORATIVE CENTER FOR
ADVANCED MANUFACTURING

UW Collaborative Center for Advanced Manufacturing (CCAM)

Aerospace Executives Forum

January 14, 2016 | University of Washington | HUB Lyceum

Fundamental Design for Manufacturability; An industry forum led by the University of Washington to rethink material waste in Aerospace and propose a framework for future manufacturing methodologies.

7:30am **Registration & Networking**

8:00am **Opening Remarks**

Michael B. Bragg, Frank & Julie Jungers Dean of Engineering, UW

Anthony M. Waas, Professor & Chair, William E. Boeing Dept. of Aeronautics & Astronautics, UW

Gaia B. Brown, External Relations, William E. Boeing Dept. of Aeronautics & Astronautics, UW

8:30am **MORNING SESSION - Exploring the Composite Lifecycle**

Advanced manufacturing automation efficiencies, material alternatives & waste reduction solutions

Moderated by: *Prof. Mark Tuttle, UW ME*

- Ted Hile, Custom Manufacturing Manager, Globe Machine Manufacturing
- Dave Trop, Chief Engineer, Boeing Commercial Aircraft
- Jennifer States, Director of Business Development, Composite Technology Recycling Center (CRTC)

Panel Discussion

10:00am **Break**

Integrated Computational Tools to inform material/design production decisions

Moderated by: *Prof. Anthony Waas, UW A&A*

- Mostafa Rassaian, Technical Fellow, Boeing Research & Technology
- Steve Engelstad, Senior Fellow, Lockheed Martin Aeronautics
- Jonathan Bartley-Cho, Northrop Grumman
- Mark Doroudian, Director of Engineering, ESI North America

Panel Discussion

12:00pm **Lunch & Research Slideshow**

1:00pm **AFTERNOON SESSION - Impact of Additive Manufacturing**

Additive Manufacturing for Large Aerostructures

Moderated by: *Prof. Mark Ganter, UW ME*

- Giovanni Greco, Product Group Lead, Blue Origin
- Andy Purvis, Project Manager, ElectroImpact
- Robert Yancey, Vice-President - Aerospace & Composites, Altair

Panel Discussion (joined by Arash Ghabchi, Boeing)

2:35pm **Break**

Additive manufacturing - future applications

Moderated by: *Prof. M. Ramulu, UW ME*

- Mark Ganter, Professor, Mechanical Engineering, University of Washington
- Duane Storti, Professor, Mechanical Engineering, University of Washington
- Jason Dunn, Co-Founder and CTO, Made in Space
- Robert Hoyt, President, CEO, and Chief Scientist, Tethers Unlimited

Panel Discussion

4:25pm **Closing Remarks & Next Steps**

Anthony M. Waas, Professor & Chair, William E. Boeing Dept. of Aeronautics & Astronautics

4:40pm **Networking Reception**