This virtual event brings together subject matter experts from industry, government, and academia for a discussion that will help to lay the groundwork for further development/refinement of the AMSC Standardization Roadmap for Additive Manufacturing, last published in June 2018. This includes discussion of the following:

- Standards that have been published or that are in development to fill gaps identified in the roadmap
- Potential focus areas for standards development based on new technology developments and applications

Speaker biographies are provided separately.

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<th>Time</th>
<th>Discussion Topic and Speaker</th>
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<td>10:00 – 11:00 am</td>
<td>Registration and Networking</td>
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| 11:00 – 11:10 am | **Welcome**  
  - Jim McCabe, Senior Director, Standards Facilitation, ANSI  
  - Brandon Ribic, Ph.D., Technology Director, America Makes                                                                                                                                                                     |
| 11:10 am – 1:10 pm | **Session 1: Development of Industry Standards and Guidance Documents**  
  This session will feature presentations on AM design-related work in ASTM F42/ISO TC 261, NIST, ASME, MMPDS, and CMH-17, followed by Q&A  
  - Moderator: Jim Williams, President, All Points Additive, and AMSC chair  
  - David W. Rosen, Ph.D., Professor, George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology  
    - Overview of joint work between ASTM F42 and ISO/TC 261:  
      - AM file format  
      - General design requirements and guidelines  
      - Process-specific design guides (e.g., PBF for both metals and polymers, DED, binder jetting, material extrusion)  
      - Design for post-processing  
      - Complex structures: simulation and modeling  
  - George Rawls, P.E., Senior Fellow Engineer, Savannah River National Laboratory  
    - ASME work on boilers & pressure vessels  
  - Darrell Wallace, Ph.D., Deputy Director and Chief Technology Officer, SecureAmerica Institute, Texas A&M University  
    - ASME work on product definitions for AM (Y14.46)  
  - Paul Witherell, Ph.D., Mechanical Engineer, National Institute of Standards and Technology  
    - ASTM F42/ISO TC 261 JG 73 on design for data packages  
    - NIST work on common data dictionary for AM data
- Doug Hall, MMPDS Program Manager, Sr. Mechanical Engineer, Battelle Memorial Institute
  - MMPDS work on design allowables/material properties for metals
- Curtis Davies, Senior Research Engineer, Federal Aviation Administration
  - CMH-17 work on design allowables/material properties for polymers

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<td>1:10 – 1:45 pm</td>
<td>Lunch / Networking Break</td>
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| 1:45 – 3:30 pm | **Session 2: End User Perspectives on Design for AM Considerations**  
This session will be a panel discussion featuring industry and government representatives from the aerospace, defense, and medical sectors.  
- Moderator: Lauralyn McDaniel, Industry Events Manager, ASME, AMSC vice chair  
- Jesse Boyer, Fellow, Additive Manufacturing, Pratt & Whitney  
- John Schmelzle, P.E., NAWC Lakehurst Additive Manufacturing and Model Based Definition Initiative Lead, Support Equipment Dept., Naval Air Warfare Center Aircraft Division Lakehurst, NAVAIR  
- Steven Floyd, Space Additive Manufacturing Engineering Lead, Northrop Grumman  
- Douglas N. Wells, NESC Deputy Technical Fellow for Materials, Damage Tolerance Assessment Branch, NASA MSFC  
- Ryan O’Hara, Ph.D., Technical Director for Aerospace and Defense, nTopology  
- Laura Gilmour, Senior Healthcare Development Manager, EOS North America  
- James Coburn, CDR, USPHS, Senior Advisor for Emerging Technologies, Food and Drug Administration  
- Michael Gorelik, Ph.D., Chief Scientist, Fatigue and Damage Tolerance, FAA |
| 3:30 – 3:40 pm | **Closing Remarks**  
- Brandon Ribic and Jim McCabe |
| 3:40 – 4:00 pm | **Networking** |