

# ASTM INTERNATIONAL CONFERENCE ON ADVANCED MANUFACTURING

Research to Application through Standardization

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## Economics and Sustainability of AM

In a relatively short time, additive manufacturing has developed from a prototyping tool to an industrial-scale manufacturing platform. Alongside this growth, and broader technology developments, there has been increasing importance and significant progress in the areas of sustainability and economics. Environmental impact of manufacturing and sustainability is increasing attention globally. Environmental commitments and sustainability concerns are providing the incentive for business to access and implementing advanced technology and manufacturing methods including additive manufacturing.

Topics of interest include but are not limited to:

- AM in the circular economy: linking material, design, manufacturing, product, and end-of-life
- Value analysis and life cycle assessments of AM materials and processes
- Reuse and recycling practices in AM
- CO2 and overall consumption KPIs in comparison to conventional manufacturing
- Impact of AM on supply chain and logistics
- Importance of design optimization for parts full lifecycle CO2 impact



### Symposium Organizers

- Alexandre Donnadieu, 3YOURMIND, USA
- Marius Lakomeic, EOS, Germany
- Behrang Poorganji, Morf3D, USA
- Nicolas Sabo, General Electric, USA



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