AM Applications for Automotive Transportation/Heavy Machinery

The automotive transportation/heavy machinery industry continues to advance the use of additive manufacturing (AM) through a wide variety of manufacturing technologies and materials. The transportation industry looks to AM to enable benefits through redesign of existing components as well as part consolidation, in order to improve cost, performance, and lead time. Successful implementations have focused on the ability of AM to enable low volume solutions, but high volume production remains a challenge. Barriers to adoption include the cost of AM production tied to large capital investment and low AM build rates, the need for suitable and cost effective materials, and a lack of data and standards to facilitate adoption with confidence in quality assurance compounds these concerns.

This symposium covers AM application and standardization through the following topics:
- New material and manufacturing developments to expedite industry adoption
- Impacts on supply chain and lead times
- Industrialization and scaling of AM for automotive/heavy machinery industries
- Regulatory requirements and standardization needs
- Economics of AM for transportation and heavy machinery industry

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Call for abstracts is open!
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Symposium Organizers
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- Eric Johnson, John Deere, USA
- Ante Lausic, General Motors, USA
- Ellen Lee, Ford Motors, USA