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Mechanics of Additive and Advanced Manufacturing, Volume 9

Proceedings of the 2017 Annual Conference on Experimental and Applied Mechanics

Editors:
Junlan Wang, The Society for Experimental Mechanics, Bethel, USA
Bonnie Antoun, The Society for Experimental Mechanics, Bethel, USA
Eric Brown, The Society for Experimental Mechanics, Bethel, USA
Weinong Chen, The Society for Experimental Mechanics, Bethel, USA
Ioannis Chasiotis, The Society for Experimental Mechanics, Bethel, USA
Emily Huskins-Retzlaff, The Society for Experimental Mechanics, Bethel, USA
Sharlotte Kramer, The Society for Experimental Mechanics, Bethel, USA
Piyush R. Thakre, The Society for Experimental Mechanics, Bethel, USA

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Description:

Mechanics of Additive and Advanced Manufacturing, Volume 9 of the Proceedings of the 2017 SEM Annual Conference & Exposition on Experimental and Applied Mechanics, the ninth volume of nine from the Conference, brings together contributions to this important area of research and engineering. The collection presents early findings and case studies, including:

- Design,
- Optimization
- Experiments
- Computations
- Materials for Advanced Manufacturing Processes (3D printing, micro- and nano-manufacturing, powder bed fusion, directed energy deposition, etc.)
- Mechanics Aspects of Advanced Manufacturing (e.g. mechanical properties, residual stress, deformation, failure, rate-dependent mechanical behavior, etc.)

Keywords: Mechanics of Additive and Advanced Manufacturing Design in Additive and Advanced Manufacturing Optimization in Additive and Advanced Manufacturing Computations in Additive and Advanced Manufacturing Proceedings of SEM Annual Conference 2017 3D printing micro- and nano-manufacturing powder bed fusion directed energy deposition

Denmark Head Office
Alsbjergvej 10
9260 Gistrup
Denmark
www.riverpublishers.com
Email: info@riverpublishers.com

USA Office
Indianapolis, IN
USA
Tel.: +1-3176899634
Email: rajeev.prasad@riverpublishers.com

UK Office
River Publishers
Email: philippa.jefferies@riverpublishers.com