ADDITIVE MANUFACTURING

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DESCRIPTION

Additive Manufacturing is the peer-reviewed journal that provides academia and world-leading industry with high quality research papers and reviews in additive manufacturing. The journal aims to acknowledge the innovative nature of additive manufacturing and its broad applications to outline the current and future developments in the field.

Additive manufacturing technologies are positioned to provide a disruptive transformation in how products are designed and manufactured. From this, there was a need to create a fast-publication journal which provides a unique publication outlet for engineers, materials scientists and practitioners in academia and virtually any industry as these technologies are incorporated in new product and medical implant design and manufacturing.

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- Heterogeneous Design
- Modeling from concept to manufacture to implementation to disposal - the entire product life cycle

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- Advancements in additive manufacturing processes
- Multi-technology (hybrid) systems
- Enhanced closed-loop control of additive manufacturing systems

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- Characterization and performance - mechanical, electrical, chemical, biological, opticals
- New material formulations and composite materials
- Processing of materials in additive manufacturing and for use in additive manufacturing

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- Optimized configurations such as topology optimization
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- Improved energy utilization in and using additive manufacturing
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Electromechanical and robotic systems
3D electronics, electromagnetics, and metamaterials
Other novel applications of additive manufacturing

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