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Mechanical Properties of Additive Structures in Materials

Guest Editor:

Message from the Guest Editor

Prof. Dr. Robert Lancaster Institute of Structural Materials, Swansea University, Bay Campus, Swansea SA1 8EN, UK

Deadline for manuscript submissions: closed (30 November 2017) Dear Colleagues,

Additive layer manufacturing (ALM) is a rapidly-growing technology, receiving widespread attention from a multitude of industrial sectors for component repair and manufacturing. The emergence of ALM is linked to the significant benefits that the process can offer, compared to more conventional manufacturing processes, such as forging or casting.

Now there is a considerable drive to realize the successful implementation of these technologies into high level critical parts but a comprehensive assessment is still required of the relationships between key process variables, geometries, resultant transient microstructures, and mechanical properties for any given component.

This Special Issue will collate a series of contributions from scientists around the world currently studying the mechanical behavior of a variety of additive based materials and structures.

Dr. Robert Lancaster *Guest Editor*









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Message from the Editor-in-Chief

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