



Structural Integrity of Polymeric Components Produced by Additive Manufacturing

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Message from the Guest Editors

Additive Manufacturing (AM) is defined as a “process of joining materials to make objects from 3D model data, usually layer-upon-layer, as opposed to subtractive manufacturing methodologies, such as traditional machining”.

In this Special Issue, the structural integrity of polymeric components produced by additive manufacturing will be addressed. We can say that most polymers, either natural or synthetic, thermoplastic or thermosetting, can be considered as cheap materials, also characterised by low densities and by a vast diversity of mechanical resistance, ductility, toughness, and viscoelasticity, to mention a few attributes. Their use increased tremendously since the 1930s, substituting steel, glasses, etc., and introducing an extensive list of new synthetic polymers in final products. Therefore, we would like to kindly invite you to present your research or technology results concerning the use of AM of polymers, covering a broad range of all the scientific areas of knowledge.





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