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Advanced Additive Manufacturing Processing of Ceramic Materials

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Message from the Guest Editors

Dear Colleagues,

Traditional ceramic processing technology is very dependent on the mold, and cannot meet the requirements of rapidly manufactured integrated, complicated and precise ceramic products. Compared to traditional ceramic processing technology, ceramic additive manufacturing technology prevents the key limitation within traditional ceramic processing of its over-reliance on molds, and can quickly produce fully personalized ceramic products without molds, with a high freedom of structural design, and is considered to be one of the many disruptive technologies that constitute Industry 4.0.

This Special Issue aims to collect the most recent research on innovative and pioneering works in additive manufacturing, welding and casting, covering several aspects such as the additive manufacturing process, the numerical simulation of the manufacturing process, process quality monitoring and control, solidification and crystallization, composition distribution and defects.



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Special Issue



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Message from the Editor-in-Chief

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