Special Issue

Born Qualified Advanced Manufacturing—Modeling, Monitoring, Control, and AI for Rapid Part Quality Qualification in Advanced Manufacturing Processes

Message from the Guest Editor

Advanced manufacturing processes are inherently complex and expensive, and are aligned for high-performance applications. Therefore, in advanced manufacturing, qualifying part quality based on extensive build-and-test characterization is not economically tenable. The aim is to achieve born-qualified advanced manufacturing, i.e., monitoring, predicting, and controlling part quality without the need for extensive trial-and-error testing, characterization, and experimentation. This Special Issue, "Born Qualified Advanced Manufacturing—Modeling, Monitoring, Control, and AI for Rapid Part Quality Qualification in Advanced Manufacturing Processes", is targeted at this aim.

Guest Editor

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Message from the Editor-in-Chief

Journal of Manufacturing and Materials Processing (*JMMP*)(ISSN 2504-4494) is a new MDPI peer-reviewed, open access venue with a focus on the scientific fundamentals and engineering methodologies of manufacturing and materials processing. We offer an online platform facilitating effective exchange of innovative scientific and engineering ideas and the dissemination of recent, original, and significant research and developmental findings. On behalf of the Editorial Board, I extend an invitation to our scientific and engineering colleagues to contribute high-quality, innovative, and ground-breaking research articles to *JMMP.*

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