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Wear and Friction in Hybrid and Additive Manufacturing Processes

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Message from the Guest Editors

Dear Colleagues,

Tribology is the science of friction, wear, and lubrication, making it inherently inseparable from surface engineering. Additive manufacturing (AM) offers unique capabilities that can be leveraged to enhance the reliability of various tribological contacts. Hybrid manufacturing can provide enhanced capability by combining subtractive and/or transformative (e.g., peening or rolling) processes with additive ones. The operating life of components engaged in wide varieties of contacts is critical for their application in sectors such as biomedicine, energy, automotive, and aerospace. Accordingly, this Special Issue seeks to showcase research papers, short communications, and review articles that focus on understanding the friction and wear behavior of components fabricated via hybrid/additive manufacturing of metals, polymers, ceramics, and composite materials.