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# Design for Additive Manufacturing: Engineering Data and Assessment Tools

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Deadline for manuscript submissions:

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# **Message from the Guest Editors**

Dear Colleagues,

The main topics for this Special Issue include, but are not limited to:

- Design for AM: industrial use cases and real-world applications
- Topology optimization and numerical tools for the design to AM
- Powder bed fusion technologies (DMLS, SLM, SLS) for metallic materials
- New technologies for metallic materials
- Experimental characterization and mechanics of materials.
- Anisotropy affecting mechanical properties
- Static, fatigue and impact testing
- Tribological properties and surface finishing of AM produced parts
- Microstructure, internal and external defects of AM produced parts
- Heat, mechanical, chemical and surface treatments for AM produced components
- Residual stresses in AM produced components: detection and assessment
- Powder recycling with regard to economic and technological aspects and its impact on the mechanical characteristics
- Case studies regarding applications of AM produced parts in the fields of mechanical and civil constructions, and biomechanics



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## **Editor-in-Chief**

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# Message from the Editor-in-Chief

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