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# **Cellular Metals: Fabrication, Properties and Applications**

Guest Editors:

# Message from the Guest Editors

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Deadline for manuscript submissions: closed (31 May 2020) Cellular solids and porous metals have become the most promising lightweight multifunctional materials, being used in a wide range of commercial, biomedical, industrial and military applications. This is due to the superior combination of properties derived from their porous cellular structures together with the excellent properties of the metals. In contrast with other cellular materials, the cellular metals are non-flammable, recyclable, extremely tough and are excellent energy absorbers.

This Special Issue is focused on:

- recent advances in novel manufacturing methods of cellular metals,
- design of new or improved performances of the cellular structures,
- geometrical characterization and determination of physical properties,
- experimental testing, numerical simulations and optimization methods,
- applications.

We welcome contributions, including review manuscripts from experimentalists, theorists, and computational scientists in this research field.









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### **Editors-in-Chief**

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### **Message from the Editorial Board**

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure - disciplines in metallurgical field the ranging from processing. and mechanical behavior. phase transitions microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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