



Dedicating to Professor John Campbell's 80th Birthday

Guest Editor:

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Deadline for manuscript
submissions:

closed (2 December 2019)

Message from the Guest Editor

Prof. John Campbell has made invaluable contributions to the understanding of the solidification, production and performance of high quality, reliable castings by incorporating scientific principles and feasible, sound engineering solutions. To celebrate Prof. Campbell's 80th birthday, a Special Issue is being organized to commemorate his contributions and also provide an update on the research being conducted based on the principles he pioneered.

The topics for this Special Issue are:

- Bifilms: their identification, characterization, quantification
- Liquid metal processing and quality
- Casting process design for high quality castings
- Structure–property–performance relationships in high integrity castings
- Process innovation for the production of high integrity castings

All papers are expected to clearly state and build on the concepts introduced by Prof. Campbell.





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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 the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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