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High-Entropy Alloys and High-Entropy-Related Materials

Guest Editor:

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Deadline for manuscript submissions:
closed (31 July 2016)

Message from the Guest Editor

The continued importance and interest in this research field is evident based on the rapid increase in the number of scientific journal publications. In this Special Issue of High-Entropy Alloys and High-Entropy-Related Materials, the aim is to gather the latest developments in HEAs and HEMs, and make the fundamental materials science more comprehensive, so that the R&D of HEAs and HEMs can be accelerated to develop a sustainable and eco-friendly society. Specific topics of interest include (but are not limited to):

- Alloy design of HEAs and HEMs
- Simulation and modeling
- Processing
- Thermodynamics and kinetics
- Structure, microstructure and properties
- Characterization
- Mechanisms
- Applications

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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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