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Composition, Structure, Properties Relations in Compositionally Complex and High-Entropy Alloys

Guest Editor:

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Deadline for manuscript submissions:
closed (28 February 2022)

Message from the Guest Editor

Dear Colleagues,

The metallurgy of high-entropy and compositionally complex alloys is a rapidly growing field. The high-entropy approach has been adopted not only in alloy development, but also in other fields of solid-state materials research.

This Special Issue welcomes original research papers and reviews on all aspects of high-entropy and compositionally complex alloys, with a special focus on their real structure and phase transformations under temperature, pressure, and mechanical impacts, as well as the construction and modelling of multicomponent phase diagrams to access new insights into the composition–structure–properties relations in multicomponent compositionally complex alloys. Submissions are especially welcomed which might open a door to novel routes for high-entropy alloy preparation, including high-throughput and operando approaches, as well as those that might reveal new frontiers in their applications.

Dr. Kirill V. Yusenko
Guest Editor

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Message from the Editor-in-Chief

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