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Mechanical Properties and Electrical Conductivity of Ceramics

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Deadline for manuscript submissions:
closed (30 December 2021)

Message from the Guest Editors

This Special Issue, "Mechanical Properties and Electrical Conductivity of Ceramics", will address recent advances on correlations between the microstructure and processing, and the mechanical and electrical properties of new advanced ceramics. Original papers on any aspect of these two crucial topics in ceramic science are welcome. These include basic contributions on dislocation dynamics in single crystals or polycrystals, superplasticity, ionic conductivity, and dielectric impedance; new phenomena related to plasticity or electro-mechanical effects; as well as those reporting new applications derived from exceptional mechanical or electrical properties.

Of particular interest are recent developments in advanced ceramics, new techniques for processing, and the correlation between electrical and mechanical properties. The issue is particularly open to papers dealing with new experimental results and the subsequent modelling, as well as those covering new simulation techniques on the topic.

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Message from the Editor-in-Chief

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