



Mechanical and Thermal Characterization of Novel Thermal Barrier Materials

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The scope of this Special Issue, titled “Mechanical and Thermal Characterization of Novel Thermal Barrier Materials”, includes research on the latest developments in thermal barrier coatings and their applications, in both academia and industry, and it offers a comprehensive understanding of the mechanisms behind the effective protection during operation.

This Special Issue focuses on TBC materials studies for optimizing their properties, the development of their fabrication process, their characterizations, and their evaluation techniques.

We highly encourage the submission of original research, engineering articles, communications, and critical reviews in the area of thermal barrier coatings and their applications from both academia and industry, covering topics including, but not limited to, the following:

- Novel thermal barrier materials;
- Novel fabrication technologies of TBC;
- Characterization of thermal and/or mechanical properties;
- Novel evaluation techniques for protection.

Dr. Dowon Song
Guest Editor





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Message from the Editor-in-Chief

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