



## Characterization and Properties of Thermal Barrier Coatings

Guest Editor:

### Dr. Luis Saucedo-Mora

1. School of Aeronautical and Space Engineering, Department of Aircraft and Space Vehicles, Polytechnical University of Madrid Plaza del Cardenal Cisneros, 28040, Madrid, Spain  
2. Department of Materials, University of Oxford, Parks Rd, OX1 3PH, Oxford, UK

Deadline for manuscript submissions:

**closed (10 October 2022)**

### Message from the Guest Editor

Dear Colleagues,

Coupled problems are extremely complex, even more so when different materials and damage are involved. This is the case with thermal barrier coatings, where a brittle and porous coating is deposited in a metallic substrate. The interface damage that produces spalling, the orthogonal cracks that increase thermal conductivity or chemical reactions, are only a few examples of the complexity achieved by the thermal barrier coatings during their service life. The industrial interest of the thermal barrier coatings, in their different configurations, is pushing the research of this complex topic. This Special Issue is focused on aerospace structures, but any other industrial application of high interest is welcome.

The Special Issue aims to cover any approach to the problem. Both experimental results and numerical models will be considered for publication, as well as any scales considered in the study.

It is a pleasure for me to invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are all welcome.

Dr. Luis Saucedo-Mora

*Guest Editor*





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## Editor-in-Chief

### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

## Message from the Editor-in-Chief

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*Materials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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