Special Issue

Ceramic-Matrix Composites

Message from the Guest Editor

Ceramic-Matrix Composites (CMCs) are made of fibrous reinforcements made of carbon, carbide, or oxide fibers, with a ceramic matrix and an intentional or spontaneous interphase between them, providing them with a non-brittle character although all constituents are fragile. Therefore, they are capable of overcoming the usual limitations of more classical refractory materials. They are high-tech, high-performance materials, with applications in many domains like: aerospace propulsion; atmospheric re-entry of space objects; high-performance braking of aircraft and automobiles; high-temperature heat exchange in power plants and industry; nuclear technology, etc. They bring the attention of scientists and engineers to many aspects of their processing, structure, properties, applications.

Guest Editor

Prof. Gérard L. Vignoles
University of Bordeaux, CNRS: LCTS – Lab. For ThermoStructural Composites, France

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Journal of Composites Science
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jcs@mdpi.com

mdpi.com/journal/jcs

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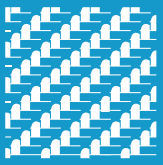

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Editor-in-Chief

Dr. Francesco Tornabene
Department of Innovation Engineering, University of Salento, 73100 Lecce, Italy

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