

Special Issue

Advances in Thermal Spray Technology

Message from the Guest Editor

Thermal spray technology is widely adopted industrially to combat diverse forms of surface degradation caused by wear, corrosion, oxidation, high thermal load, etc. Nonetheless, improvements in coating quality are incessantly sought to further enhance durability and/or performance of components operating in increasingly aggressive environments. This has led to technology advancements on various fronts, spanning feedstock materials, process variants, torch designs, coating architectures, etc. These have also been complemented by modelling efforts, as well as the availability of improved diagnostic tools and reliable control systems, resulting in robust shop-floor thermal spray capabilities to consolidate existing applications and spur new ones.

Guest Editor

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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