

Special Issue

Novel Approaches for Thermal Spraying

Message from the Guest Editor

Thermal spraying is widely applied in the aerospace, automobile, and industrial gas turbine industries. This coating deposition method is still in improvement. For example, such methods as cold spraying and high energy spraying were recently developed, and suspension and precursors have begun being applied as feedstock.

The objective of this Special Issue is to present recent advances in thermal spray technology using plasma, flame and hot gas, and fundamentals of technology as well as new technological ideas related to process and to feedstock. Finally, the studies related to process modeling and simulation are also welcome. This issue is focussed on such applications as advanced TBC ceramic coatings, bioactive coatings in prostheses, the coatings on environmental protection, energy and power generation industries, photo-catalytic coatings, wear and corrosion resistant coatings. Papers related to coating testing methods and feedstock materials, including new materials for spraying, and the future possible fields of thermal sprayed coating applications are welcome.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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