

Special Issue

Advances in Surface Welding Techniques for Metallic Materials

Message from the Guest Editors

Surface welding techniques for metallic materials is one of the core technologies in the field of metal surface engineering. These processes create coatings or connection layers with specific properties on the surface of metal substrates in order to improve the wear resistance, corrosion resistance, high-temperature resistance, and performance characteristics, or to enable the joining of dissimilar materials.

This Special Issue aims to gather the latest developments, challenges, and innovative processes and methods in metal surface welding technology. We warmly welcome submissions presenting novel research findings, comprehensive reviews, and perspectives of future development directions, with the goal of advancing applications of surface welding in high-end equipment manufacturing and extreme environments.

Guest Editors

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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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