

Thermal Sprayed Coatings and their Tribological Performances

Part of the Research Essentials Collection

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Description:

Thermal spraying is a dynamic process and a rapidly changing field which is used in a variety of industries to solve a number of challenging problems including performance enhancement and extending the life of industrial components which are subjected to wear corrosion.

Thermal Sprayed Coatings and their Tribological Performances showcases the latest research surrounding the development and use of thermal spraying techniques as well as the benefits of using thermal sprayed coatings in the industrial sector.

Readers:

Focusing on practical solutions that can be applied to real-world settings, this publication is ideally designed for academicians, upper-level students, as well as engineers and operations managers across industries.

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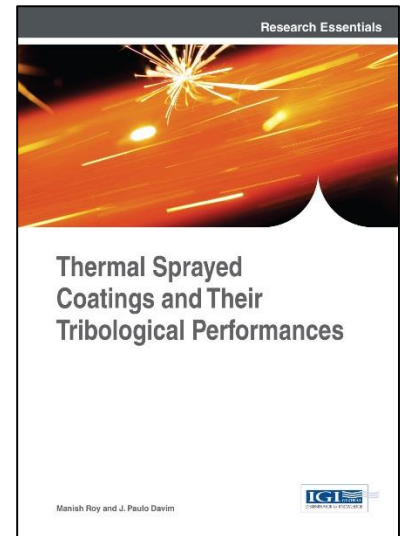
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Topics Covered:

- Coating Development
- Erosion Resistant Applications
- Mechanical and Tribological Properties
- Post-Coating Techniques
- Slurry Erosion
- Wear Protection
- Wear Testing Techniques

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J. Paulo Davim received his PhD degree in Mechanical Engineering from the University of Porto in 1997 and the Aggregation from the University of Coimbra in 2005. Currently, he is an Aggregate Professor at the Department of Mechanical Engineering of the University of Aveiro. He has more 25 years of teaching and research experience in manufacturing, materials and mechanical engineering with special emphasis in machining and tribology. Recently, he has also interest in sustainable manufacturing and industrial engineering. He is the Editor-in-Chief of six international journals, guest editor of journals, books editor, book series editor and scientific advisory for many international journals and conferences. Presently, he is an editorial board member of 20 international journals and acts as reviewer for more than 70 prestigious ISI Web of Science journals. In addition, he has also published in his field of research as author and co-author more than 40 book chapters and 350 articles in journals and conferences (more 180 articles in ISI Web of Science, h-index 25+).