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Special Issue Reprint

## Advanced Technologies of Welding, Surfacing, and Thermal Spraying of Modern Materials

**Edited by: Artur Czupryński , Marcin Adamiak , Antonín Kříž and Tünde Anna Kovács**

Welding technologies, combined with innovative materials, are a crucial component of effective repair management and the modern design of machine parts and devices with specialized operational properties. This reprint, which compiles contemporary scientific contributions from international experts in welding technologies, covers the following topics: an examination of the structure and properties of welded joints; an analysis of the causes of wear on working surfaces of machine parts and equipment; a description of the most commonly used materials in the global industry for joining and surfacing; a comprehensive discussion of all modern technologies for joining, surfacing, cladding, and spraying; and examples of technological parameters for welding, surfacing, and thermal spraying processes applied to parts of various types and shapes. The editors of this Special Issue, titled “Advanced Technologies of Welding, Surfacing, and Thermal Spraying of Modern Materials,” recommend this reprint to students of materials engineering and welding engineers. Undoubtedly, this reprint should be a valuable addition to the reference library of professionals engaged in welding and surfacing.

