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Nota di contenuto	Study of Microstructure and Mechanical Characteristics of Laser-cladded Co-Cr-Mo Alloy on AISI4130 Base plate -- Effect of single and multi-layer cladding of duplex stainless steel on its microstructure, dilution, and hardness characteristics -- A comprehensive review on fabrication of green aluminum matrix composite by friction stir processing -- Microstructural characterization and wettability analysis of Hydroxyapatite (HA) cladded Ti-6Al-4V alloy -- Repairment of Rail Axle by Laser Cladding Technique -- Analyzing The Hrm Implications Of Industry 4.0 In Cladding Technologies: A Systematic Literature Review -- Effect of heat input on tensile properties of WAAM 316L Austenitic stainless steel -- Wear and corrosion behaviour of Laser cladded Mg and its alloys: Review of present status and future possibilities.
Sommario/riassunto	This book presents the select proceedings of 1st International Conference on "Advances in Laser & Arc Cladding Technologies"

(ALACT 23). It highlights the new technologies associated with cladding process for various applications. Various topics covered in this book are laser cladding processing, plasma transferred arc cladding, flux cored arc cladding, MIG and TIG cladding, micro plasma transferred arc and micro laser cladding, high efficiency cladding, high speed laser cladding, claddings for high temperature and other extreme applications, microstructure-property-performance correlations for claddings, mechanical and corrosion properties evaluation of the cladded samples, failure analysis of cladding residual stress, deformation evaluation of cladding, heat treatment of cladded samples, etc. The book is useful for researchers and professionals working in the areas of manufacturing and materials science.
