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Sommario/riassunto	This textbook and reference provides a comprehensive treatment of additive manufacturing (AM) for metals, including design and digital work flows, process science and reliability, metallic systems, quality assurance, and applications. The book is rooted in the fundamental

science necessary to develop and understand AM technologies, as well as the application of engineering principles covering several disciplines to successfully exploit this important technology. As additive manufacturing of metals is the fastest growing subset of this transformative technology, with the potential to make the widest impact to industrial production, Metals Additive Manufacturing: Design, Processes, Materials, Quality Assurance, and Applications is ideal for students in a range of engineering disciplines and practitioners working in aerospace, automotive, medical device manufacturing industries. Adopts an integrated treatment of topics underscoring relationships across disciplines; Emphasizes the science of AM and the application of fundamental science to maximize understanding of the defining mechanisms; Structured to facilitate knowledge acquisition and retention.