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Nota di contenuto	Defining the field of 2.5D printing -- The past -- The present : materials, making, capturing and measuring -- The future -- Case studies.
Sommario/riassunto	A guide that examines the state-of-the-art of 2.5D printing and explores the relationship between two and three dimensions 2.5D Printing: Bridging the Gap Between 2D and 3D Applications examines the relationship between two- and three-dimensional printing and explores the current ideas, methods, and applications. It provides insights into the diversity of our material culture and heritage and how this knowledge can be used to design and develop new methods for texture printing. The authors review the evolving research and interest in working towards developing methods to: capture, measure and model the surface qualities of 3D and 2D objects, represent the appearance of surface, material and textural qualities, and print or reproduce the material and textural qualities. The text reflects information on the topic from a broad range of fields, including: science, technology, art, design, conservation, perception, and computer modelling. 2.5D Printing provides a survey of traditional methods of capturing 2.5D through painting and sculpture, and how

the human perception is able to judge and compare differences. This important text: . Bridges the gap between the technical and perceptual domains of 2D and 3D printing. Discusses perceptual texture, colour, illusion, and visual impact to offer a unique perspective. Explores how to print a convincing rendering of texture that integrates the synthesis of texture in fine art paintings, with digital deposition printing. Describes contemporary methods for capturing surface qualities and methods for modelling and measuring, and ways that it is currently being used. Considers the impact of 2.5D for future technologies 2.5D Printing is a hands-on guide that provides visual inspiration, comparisons between traditional and digital technologies, case studies, and a wealth of references to the world of texture printing. WILEY-IS&T SERIES IN IMAGING SCIENCE AND TECHNOLOGY IS&T, the Society for Imaging Science and Technology "imaging.org", is an international, professional society that brings together academia, industry, and government to discuss and disseminate information on the broad field of imaging, with particular emphasis on electronic imaging, 3D printing, human vision and perception, virtual and augmented reality systems, color science, image archiving and preservation, image assessment and reproduction, and automated vehicle imaging systems. A major objective of the Wiley-IS&T series is to advance this goal at the professional level by offering the latest scientific and technological developments in the field of imaging to the world-wide community. IS&T hosts a number of annual international conferences to further promote this goal.