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Soggetti	User interfaces (Computer systems) Human-computer interaction Interactive multimedia Multimedia systems Digital humanities User Interfaces and Human Computer Interaction Media Design Digital Humanities
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1 History -- 2 Independent Working, Collaboration, and Team Activity -- 3 Utilization of Digital Technologies -- 4 Installation Art Works -- 5 Implementation: Hardware, Software, and Applications -- 6 Using Mobile Technology to facilitate Engagement with the Arts for Children with Autism and their Families -- 7 The Development of New Technology in Creative Music Applications -- 8 Visual Arts, Mental Health and Technology -- 9 conclusions.
Sommario/riassunto	This book examines how digital technology is being used to assist the artists and designers. The computer is able to store data and reproduce designs, thus facilitating the speed-up of the iterative process towards a final design which meets the objectives of the designer and the requirements of the user. Collaborative design enables the sharing of information across digital networks to produce designed objects in virtual spaces. Augmented and virtual reality techniques can be used to preview designs before they are finalized and implemented. Art and

design have shaped the values, social structures, communications, and the culture of communities and civilisations. The direct involvement of artists and designers with their creative works has left a legacy enabling subsequent generations to understand more about their skills, their motivations, and their relationship to the wider world, and to see it from a variety of perspectives. This in turn causes the viewers of their works to reflect upon their meaning for today and the lasting value and implications of what has been created. Art installations are harnessing modern technology to process information and to display it. Such environments have also proved useful in engaging users and visitors with real-time images and interactive art.

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