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Autore	Raj Pethuru
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Altri autori (Persone)	RochaAlvaro DuttaPushan Kumar FioriniMichele PrakashC
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Nota di contenuto	Integrating Digital Twins and 3D Technologies in Fashion: Advancing Sustainability and Consumer Engagement -- Shaping Fashion Industry Assimilating Digital Twins: Ground Breaking Approach of Sketch to Sale for Transforming the Fashion Design Process for Sustainability -- Exploring the Intersection of Computer Vision and Fashion Industry -- Shaping the Future: Navigating New Horizons in Supply Chain Management -- Optimizing the Fashion Supply Chain: A Game-Changing Strategy for Reducing Inventory Waste -- The Role of Blockchain Technology for Transparency in The Fashion Supply Chain

-- Responsible Management of the Fashion Supply Chain with an Eye Towards Sustainability -- Role of Product Lifecycle Management and Bill of Material in Fashion Industry -- Building a case for Sustainable consumerism in the Fashion Industry -- Unlocking Ergonomic Codes: Adapting Sizing Systems to Fit the Modern World's Diversity and Health Needs -- 3D – as-a-Service : A Revolutionary Approach by LFX -- Exploration of Fashion industry protection as need of hour on Intellectual Property -- AI Landscape in Fashion: Insights on Transforming Design, Supply Chains, Marketing, and Consumer Experiences -- Integrating Digital Innovation and Biomimicry in Fast Fashion: A Synergistic Approach for Sustainable Design and Waste Minimization -- Ethical Issues in Sustainable Fashion Industry -- The Changing Perspectives of the Fashion Industry in the wake of Anthropocene -- Tailoring the future – the ascendancy of Artificial Intelligence in the fashion industry -- Fashion Artistry Unleashed by Artificial Intelligence (AI) Ingenuity: The Alchemy of Design -- Fashion Industry and Intelligent Fashion in Emerging Economies: A Case Study from India -- Garment Industry 5.0: Transforming Through Digital Integration of 3D Virtual Measurement Data and Characteristics -- Digital Infrastructure Assessment (DIA) and Digital Asset Management (DAM): Tools for Decomposition and Efficient Communication in the Fashion Industry.

Sommario/riassunto

This book presents the mass manufacturing and manifestation of smart clothes that have decisively kick-started the fashion industry With the flourishing of edge and digitization technologies, every tangible thing in and around us is all set to become digitized. The arrival of advanced communication and digitalization technologies has made any digitized entity to be connected and cognitive. With this transition, the textile industry is strategizing to leverage the improvisations being accomplished in the digital era to design, develop, and deliver digitally enabled dresses and clothes. Smart attires are fabrics bedded with ultrathin, flexible and transparent detectors, selectors, electronics, and connectivity, and there are nano-creators to power smart dresses. The mass manufacturing and manifestation of smart clothes have decisively kick-started the fashion industry. The readers will come across the implementation technologies and the research results of virtual try-on, body size and pose estimation, diffusion-based fashion synthesis, etc.