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Nota di contenuto	Chapter – 1 Fundamentals of Digital Agriculture -- Chapter – 2 Digital Agriculture Ecosystem -- Chapter – 3 Data Acquisition in Digital Agriculture -- Chapter – 4 Data Communication in Digital Agriculture -- Chapter – 5 Data Storage in Digital Agriculture -- Chapter – 6 Data Analytics in Digital Agriculture -- Chapter – 7 Impacts and Future Directions of Digital Agriculture.
Sommario/riassunto	The success of modern-day agriculture lies in the digitalization of agricultural systems. The primary aim of this book is to provide a starting point to understand the fundamentals and design of digital agriculture systems with reference to the enabling technologies that deal with the production, improvement, and protection of crops/plants and livestock. The other associated objectives of this book include the explanation of the design and deployment of IoT-based digital agriculture systems in such a simple way that agriculture students

understand straightforwardly. Therefore, this book is an effort to partially fill the gap associated with the understanding of the development and deployment of digital agriculture systems (including both precision and smart farming). We believe that with the provided details of enabling technologies and their usage in digital agriculture systems, agriculture students will find it easier to comprehend the designing of small-/large-scale IoT-based digital agriculture systems. This book provides insight into different technologies, architectures, and case studies that will ultimately help students to understand the concept of Digital Agriculture and its related applications. It enables students to realize the importance of open issues and future challenges of digital agriculture systems.