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Nota di contenuto	Preamble -- Preface -- Acknowledgments -- About the Authors -- IoT-Agro Paradigm -- IoT: Foundations and Applications -- Smart Monitoring for Irrigation and Water Level Retention Functional Framework for IoT-based Agricultural System -- Intelligent Agro-Food Chain System -- Case Studies and Applications in IoT based Agriculture System -- Glossary -- Index.
Sommario/riassunto	This book addresses major challenges faced by farmers and the technological solutions based on Internet of Things (IoT). A major challenge in agriculture is cultivating and supplying high-quality produce at the best. Currently, around 50% of global farm produce never reaches the end consumer due to wastage and suboptimal prices. The book presents solutions that reduce the transport costs, improve the predictability of prices based on data analytics and the current market conditions, and reduce the number of middle steps and agents between the farmer and the end consumer. It discusses the design of an IoT-based monitoring system to analyze crop environments and a

method to improve the efficiency of decision-making by analyzing harvest statistics. Further, it explores climate-smart methods, known as smart agriculture, that have been adopted by a number of Indian farmers.