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Nota di contenuto	List of Illustrations -- List of Tables -- List of Boxes -- Preface and Acknowledgments -- Abbreviations -- Part 1: Background and Overview of the Fourth Revolution and the Bottom Four Billion -- Chapter 1: The Fourth Revolution and the bottom four billion: Key underlying concepts and developments -- Part 2: Major Fourth Revolution technologies -- Chapter 2: Artificial intelligence -- Chapter 3: Blockchain -- Chapter 4: Remote sensing and satellite imagery -- Chapter 5: Internet of things* -- Part 3: The 4R in economic and social developments -- Chapter 6: Healthcare and pandemic preparedness -- Chapter 7: The agricultural sector -- Chapter 8: Finance, banking, and insurance -- Part 4: Opportunities, challenges, implications and the way forward -- Chapter 9: Opportunities, barriers and challenges -- Chapter 10: Economic developmental implications -- Chapter 11: Social, political and ethical implications -- Chapter 12: Discussion, conclusion and recommendations -- Glossary -- About the Author.
Sommario/riassunto	Products and services based on advanced technologies such as artificial intelligence and blockchain are normally considered to be for rich consumers in advanced countries. This book demonstrates how marginalized and vulnerable groups, specifically the world's bottom four billion population, can also benefit from these technologies.