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	Nota di contenuto	Medical Microscopic Single Image Super-resolution Based on Deep Neural Networks -- Making process trace classification more explainable: approaches and experiences in the medical field -- Improving diagnostics of pneumonia by combining individual hypotheses on chest X-ray images -- ICARE: An Intuitive Context-Aware Recommender with Explanations -- An overview of few-shot learning methods in analysis of histopathological images -- From Pixels to Diagnosis: AI–Driven Skin Lesion Recognition -- Artificial Intelligence in Obstetrics -- A co-design approach for developing and implementing smart health technologies and services -- Contributions of women on the recent applications of BCIs in healthcare -- Conducting remote faculty development programs for simulation educators -tips to overcome the barriers.

Sommario/riassunto   This book is dedicated to showcase research and innovation in smart healthcare systems and technologies led by women scientists, researchers, and practitioners. With the advent of artificial intelligence (AI) and related technologies, the healthcare sector has undergone tremendous changes in practice and management in recent years. On par to men, women have made significant contributions to tackle a variety of healthcare problems, creating smarter paradigms to provide effective and efficient solutions for patients and stakeholders. The book presents a small collection of contributions by outstanding women in STEM (Science, Technology, Engineering and Mathematics) education, focusing on the healthcare domain. The selected articles allow readers to comprehend current advances in AI and other methods for undertaking healthcare challenges. It is envisaged that the inspiring work by prominent women scientists, researchers, and practitioners reported in this book offers a beacon to propel women in pursuing STEM education and advancing the healthcare sector for the benefits of humankind.