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Nota di contenuto	What is 6G -- Network Intelligentization -- Knowledge Defined Networking -- 6G On Demand Service Network -- All Scenario On Demand On Demand Service Management and Control System -- Trustworthy Autonomous All Domain Access Control Technology -- Intelligent Allocation Technology for All Scenario KDN Resources -- Technologies for Service Capability Collaboration Interconnection.
Sommario/riassunto	This book delves into the confluence of AI and the transformative potential it holds for the future of 6G network services. It uncovers how the integration of AI technologies as well as redefines the landscape of network management and control. This book also offers a new paradigm for delivering on-demand services that are immersive, personalized and of ultimate performance. A detailed exploration of AI-driven network management systems is presenting in this book,

discussing the development of knowledge-defined networking, the construction of all-scenario on-demand service systems and the critical role of network management and control in achieving 6G's vision. This book begins by examining the historical evolution of communication networks and the pivotal shift towards technology-driven demands in the 6G era. It outlines the book's coverage of the foundational theories, wireless technologies as well as network architectures that will underpin the next generation of mobile services. Further, this book provides a comprehensive analysis of the key technologies required to support 6G on-demand services, such as trusted and autonomous access control, intelligent resource allocation and service capability coordination. It discusses the challenges and opportunities in developing a network that is not only high-performing but also adaptable to a wide range of applications, from personal use to industrial and agricultural production, and public services. This book targets advanced-level students and researchers working in this field serving as both a technical guide and a visionary outlook on the role of AI in shaping 6G networks. It also offers insights into the research, development, and potential applications of AI in network services, making it an invaluable resource for professionals, who understand or contribute to the advancement of 6G technologies.