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Nota di contenuto	Overview and Definitions -- Distance estimation -- Data Muling -- Delay/Disruption Tolerant Networking -- Initial contact and JANUS -- Address assignment -- Adaptivity at the NET layer -- Adaptivity at the PHY layer -- Summary.
Sommario/riassunto	This book summarizes the latest research on cognitive network-layer methods and smart adaptive physical-layer methods in underwater networks. Underwater communication requires extendable and delay-tolerant underwater acoustic networks capable of supporting multiple frequency bands, data rates and transmission ranges. The book also discusses a suitable foreground communication stack for mixed mobile/static networks, a technology that requires adaptive physical layer waveforms and cognitive network strategies with underlying cooperative and non-cooperative robust processes. The goal is to arrive at a universally applicable standard in the area of Underwater Internet-of-Things [ISO/IEC 30140, 30142, 30143]. .