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Titolo	Emerging Networking in the Digital Transformation Age : Approaches, Protocols, Platforms, Best Practices, and Energy Efficiency / / edited by Mikhailo Klymash, Andriy Luntovskyy, Mykola Beshley, Igor Melnyk, Alexander Schill
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Nota di contenuto	Emerging Network Technologies for Digital Transformation: 5G/6G, IoT, SDN/IBN, Cloud Computing, and Blockchain -- A Framework for Context-sensitive Control-Loops with Roles -- The Impact of Smart Economy and Digitalization on Market Efficiency -- Self-Driving Cars -- Smart Home: Protocols, Platforms and Best Practices -- Construction and Methods for Solving Problems at the SDN Control Level.
Sommario/riassunto	This book covers a range of leading-edge topics. It is suitable for teaching specialists for advanced lectures in the domains of systems architecture and distributed platforms. Furthermore, it serves as a basis for undergraduates as well as an inspiration for interesting postgraduates, looking for new challenges. It addresses a holistic view of QoS, which becomes nowadays via Digital Transformations less technically and more socially driven. This includes IoT, energy efficiency, secure transactions, blockchains, and smart contracting. Under the term Emerging Networking (EmN), we cover the steadily growing diversity of smart mobile and robotic apps and unmanned scenarios (UAV). EmN supports distributed intelligence across the combined mobile, wireless, and fixed networks in the edge-to-cloud

continuum. The 6G driving factors and potentials in the mid-term are examined. Operative (emergency) networking, which assists rescue troops at sites, also belongs to the above-mentioned problems. The EmN architecture includes the components of SDN, blockchain, and AI with efficient slicing and cloud support. The design peculiarities in dynamically changing domains, such as Smart Shopping/Office/Home, Context-Sensitive Intelligent apps, are discussed. Altogether, the provided content is technically interesting while still being rather practically oriented and therefore straightforward to understand. This book originated from the close cooperation of scientists from Germany, Ukraine, Israel, Switzerland, Slovak Republic, Poland, Czech Republic, South Korea, China, Italy, North Macedonia, Azerbaijan, Kazakhstan, France, Latvia, Greece, Romania, USA, Finland, Morocco, Ireland, and the United Kingdom. We wish all readers success and lots of inspiration from this useful book!
