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Nota di contenuto	<p>Intro -- Preface -- Acknowledgements -- Contents -- Acronyms -- 1</p> <p>Introduction -- 1.1 The Era of Internet of Things -- 1.2 Connectivity in IoT -- 1.3 Edge Computing in IoT -- 1.4 AI in IoT -- 1.5 Scope and Organization of This Book -- References -- 2 Industrial Internet of Things: Smart Factory -- 2.1 Industrial IoT Networks -- 2.2 Connectivity Requirements of Smart Factory -- 2.2.1 Application-Specific Requirements -- 2.2.2 Related Standards -- 2.2.3 Potential Non-Link-Layer Solutions -- 2.2.4 Link-Layer Solutions: Recent Research Efforts -- 2.3 Protocol Design for Smart Factory -- 2.3.1 Networking Scenario -- 2.3.2 Mini-Slot Based Carrier Sensing (MsCS) -- 2.3.3 Synchronization Sensing (SyncCS) -- 2.3.4 Differentiated Assignment Cycles -- 2.3.5 Superimposed Mini-slot Assignment (SMsA) -- 2.3.6 Downlink Control -- 2.4 Performance Analysis -- 2.4.1 Delay Performance with No Buffer -- 2.4.2 Delay Performance with Buffer -- 2.4.3 Slot Idle Probability -- 2.4.4 Impact of SyncCS -- 2.4.5 Impact of SMsA -- 2.5 Scheduling and AI-Assisted Protocol Parameter Selection -- 2.5.1 Background -- 2.5.2 The Considered Scheduling Problem -- 2.5.3 Device Assignment -- 2.5.4 AI-Assisted Protocol Parameter Selection -- 2.6 Numerical Results -- 2.6.1 Mini-Slot Delay with MsCS, SyncCS, and SMsA -- 2.6.2 Performance of the Device Assignment Algorithms -- 2.6.3 DNN-Assisted Scheduling -- 2.7 Summary -- References -- 3 UAV-Assisted Edge Computing: Rural IoT</p>

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