

1. Record Nr.	UNINA9910583507303321
Titolo	Building on smart cities skills and competences : human factors affecting smart cities development // Panos Fitsilis, editor
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2022] ©2022
ISBN	9783030978181 9783030978174
Descrizione fisica	1 online resource (337 pages)
Collana	Internet of things
Disciplina	307.12160285
Soggetti	City planning - Data processing Technological innovations - Social aspects Smart cities
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.

2. Record Nr.	UNINA9911006720403321
Autore	Masaracchia Antonino
Titolo	Deep Reinforcement Learning for Reconfigurable Intelligent Surfaces and UAV Empowered Smart 6G Communications
Pubbl/distr/stampa	Stevenage : , : Institution of Engineering & Technology, , 2024 ©2025
ISBN	1-83724-384-0 1-83953-642-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (270 pages)
Collana	Telecommunications Series
Altri autori (Persone)	NguyenKhoi Khac DuongTrung Q SharmaVishal
Disciplina	621.38456
Soggetti	6G mobile communication systems Artificial intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Contents -- Preface -- About the authors -- Part I. Introduction to machine learning and neural networks -- 1. Artificial intelligence, machine learning, and deep learning -- 2. Deep neural networks -- Part II. Deep reinforcement learning -- 3. Markov decision process -- 4. Value function approximation for continuous state-action space -- 5. Policy search methods for reinforcement learning -- 6. Actor-critic learning -- Part III. Deep reinforcement learning in UAV-assisted 6G communication -- 7. UAV-assisted 6G communications -- 8. Distributed deep deterministic policy gradient for power allocation control in UAV-to-UAV-based communications -- 9. Non-cooperative energy-efficient power allocation game in UAV-to-UAV communication: a multi-agent deep reinforcement learning approach -- 10. Real-time energy harvesting-aided scheduling in UAV-assisted D2D networks -- 11. 3D trajectory design and data collection in UAV-assisted networks -- Part IV. Deep reinforcement learning in reconfigurable intelligent surface-empowered 6G communications -- 12. RIS-assisted 6G communications -- 13. Real-time optimisation in RIS-assisted D2D communications -- 14. RIS-assisted UAV communications for IoT with

wireless power transfer using deep reinforcement learning -- 15.
Multi-agent learning in networks supported by RIS and multi-UAVs --
Index

Sommario/riassunto

This co-authored book explores the many challenges arising from real-time and autonomous decision-making for 6G by covering crucial advanced signal control and real-time decision-making methods for UAV- and RIS-assisted 6G wireless communications including the serious constraints in real-time optimisation problems.
