1.	Record Nr.	UNINA990001610930403321
	Autore	Benvenuti, Bruno
	Titolo	Contadino, una scelta? : le scelte scolastiche e professionali degli adolescenti di ambiente agricolo / Bruno Benvenuti, Alberto Gasparini
	Pubbl/distr/stampa	Torino, : Paravia, 1978
	Descrizione fisica	240 p. ; 23 cm
	Collana	Percorsi ; 13
	Altri autori (Persone)	Gasparini, Alberto <1940- >
	Disciplina	307.72 371.425
	Locazione	FAGBC FSPBC
	Collocazione	60 301.35 BENB 1978 COLLEZ. 697 (13)
	Lingua di pubblicazione	Italiano
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2. Record Nr.	UNINA9910337605103321
Autore	Yao Haipeng
Titolo	Developing Networks using Artificial Intelligence / / by Haipeng Yao, Chunxiao Jiang, Yi Qian
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-15028-3
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Descrizione fisica	1 online resource (256 pages)
Collana	Wireless Networks, , 2366-1186
Disciplina	006.3
Soggetti	Wireless communication systems
	Mobile communication systems
	Artificial intelligence
	Computer networks
	Wireless and Mobile Communication
	Artificial Intelligence
	Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface vii -- Acknowledgements ix -- Table of Contents xi -- Chapter 1 Introduction 1 -- Chapter 2 Intelligence-Driven Networking Architecture 13 -- Chapter 3 Intelligent Network Awareness 31 -- Chapter 4 Intelligent Network Control 79 -- Chapter 5 Intelligent Network Resource Management 151 -- Chapter 6 Intention Based Networking Management 191 -- Chapter 7 Conclusions and Future Challenges 237 -- Index 241.
Sommario/riassunto	This book mainly discusses the most important issues in artificial intelligence-aided future networks, such as applying different ML approaches to investigate solutions to intelligently monitor, control and optimize networking. The authors focus on four scenarios of successfully applying machine learning in network space. It also discusses the main challenge of network traffic intelligent awareness and introduces several machine learning-based traffic awareness algorithms, such as traffic classification, anomaly traffic identification and traffic prediction. The authors introduce some ML approaches like

reinforcement learning to deal with network control problem in this book. Traditional works on the control plane largely rely on a manual process in configuring forwarding, which cannot be employed for today's network conditions. To address this issue, several artificial intelligence approaches for self-learning control strategies are introduced. In addition, resource management problems are ubiquitous in the networking field, such as job scheduling, bitrate adaptation in video streaming and virtual machine placement in cloud computing. Compared with the traditional with-box approach, the authors present some ML methods to solve the complexity network resource allocation problems. Finally, semantic comprehension function is introduced to the network to understand the high-level business intent in this book. With Software-Defined Networking (SDN), Network Function Virtualization (NFV), 5th Generation Wireless Systems (5G) development, the global network is undergoing profound restructuring and transformation. However, with the improvement of the flexibility and scalability of the networks, as well as the ever-increasing complexity of networks, makes effective monitoring, overall control, and optimization of the network extremely difficult. Recently, adding intelligence to the control plane through AI&ML become a trend and a direction of network development This book's expected audience includes professors, researchers, scientists, practitioners, engineers, industry managers, and government research workers, who work in the fields of intelligent network. Advanced-level students studying computer science and electrical engineering will also find this book useful as a secondary textbook. .