

1. Record Nr.	UNINA9910299917203321
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Titolo	Virtualized Wireless Networks : User Association and Resource Allocation / / by Tho Le-Ngoc, Rajesh Dawadi, Saeedeh Parsaeefard, Mahsa Derakhshani
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-57388-8
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (103 pages) : illustrations (some color)
Collana	SpringerBriefs in Electrical and Computer Engineering, , 2191-8112
Disciplina	621.382
Soggetti	Electrical engineering Computer communication systems Communications Engineering, Networks Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	1 Introduction -- 2 Bandwidth-Efficient Joint User-Association and Resource-Allocation in Multi-cell VWN -- 3 Power-Efficient Joint User-Association and Resource-Allocation in Multi-cell VWN -- 4 Uplink Resource-Allocation in VWN with Massive-MIMO and Dynamic Pilot-Duration -- 5 User-Association and Resource-Allocation in a C-RAN-based VWN -- 6 Resource Allocation in a NOMA-based VWN -- 7 Conclusion -- A Brief Notes on Geometric Programming and Successive Convex Approximation.
Sommario/riassunto	There have been recent advancements in wireless network technologies such as wireless virtualization to accommodate the exponential growth in demand, as well as to increase energy and infrastructure efficiencies. This SpringerBrief discusses the user-association and resource-allocation aspects in Virtualized Wireless Networks (VWNs) and highlights key technology innovations to meet their requirements. Various issues in practical implementation of VWNs are discussed along with potential techniques such as Massive MIMO, Cloud-Radio Access Network (C-RAN), and non-orthogonal multiple access (NOMA). This SpringerBrief will target researchers and professionals working on current and next-generation wireless networks. The content is also

valuable for advanced-level students interested in wireless communications and signal processing for communications.
