1. Record Nr. UNINA990008620320403321

Titolo	Control of glycogen metabolism / consulting editor W.J. Whelan and editor for the Ciba foundation Margaret P. Cameron
Pubbl/distr/stampa	London : J. & A. Churcill, 1964
Descrizione fisica	xiv, 434 p. ; 21 cm
Collana	Ciba Foundation symposium
Locazione	DMEPE
Collocazione	3 A 7
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910299874103321

Autore	Kuang Linling
Titolo	Terrestrial-Satellite Communication Networks : Transceivers Design and Resource Allocation / / by Linling Kuang, Chunxiao Jiang, Yi Qian, Jianhua Lu
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-61768-0
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XIII, 151 p. 72 illus., 51 illus. in color.)
Collana	Wireless Networks, , 2366-1186
Disciplina	621.3825
Soggetti	Electrical engineering Computer networks 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 Beamforming Transmission -- 3 Interference

Cancelation Reception -- 4 Spectrum Sharing -- 5 Spectrum Sensing -- 6 Multiple Access Resource Allocation -- 7 Conclusions and Future Challenges.

Sommario/riassunto

This book targets major issues in terrestrial-satellite communication networks and presents the solutions. While the terrestrial networks can achieve high-speed data service at low cost, satellite based access is one way to complement terrestrial based networks to ensure ubiquitous, 100% geographic coverage. The coexistence and cooperation between terrestrial and satellite networks are of great potential in future communication networks, and satellite radio access networks has already been considered in the fifth-generation (5G) networks to be supported for phase 2. Therefore, it is important to study the architectures of terrestrial-satellite networks, as well as the possible techniques and challenges. The authors introduce the technique of beamforming in satellite communication systems, which is an efficient transmitting method for multiple access, and they discuss the main challenges as well as prospective applications. The authors introduce possible methods for interference cancelation reception in terrestrial-satellite communication networks when reusing the frequency band between the two networks. Due to the limitation of spectrum resources, spectrum sharing will become one of the important issues in terrestrial-satellite communication networks. The problems of spectrum coexistence between GEO and Terrestrial Systems and between GEO and NEGO systems are also discussed. Finally, taking both the two system into consideration, the resource allocation problem will be more complex due to the coupling between resources and the interference. Based on this, the authors propose several resource allocation schemes in different scenarios of terrestrial-satellite communication networks, which can optimize the capacity performance of the system. The expected audience for this book includes (but not limited to) graduate students, professors, researchers, scientists, practitioners, engineers, industry managers, and government researchers working in the field of satellite communications and networks. The expected audience for this book includes (but not limited to) graduate students, professors, researchers, scientists, practitioners, engineers, industry managers, and government researchers working in the field of satellite communications and networks.