1. Record Nr. UNINA9910254242203321

Autore	Cheng Xilin
Titolo	Cooperative OFDM Underwater Acoustic Communications / / by Xilin Cheng, Liuqing Yang, Xiang Cheng
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-33207-4
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (116 p.)
Collana	Wireless Networks, , 2366-1186
Disciplina	621.389
Soggetti	Signal processing Image processing Speech processing systems Computer networks Acoustical engineering Data structures (Computer science) Signal, Image and Speech Processing Computer Communication Networks Engineering Acoustics Data Structures and Information Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Introduction -- Underwater Acoustic Channel Models -- Short-Range Adaptive RA-UAC -- Medium-Long Range Asynchronous Relay Selection Protocol for RA-UAC -- Energy-Efficient Hybrid Decomposed LT Codes for RA-UAC -- Effective ICI Cancellation for OFDM Transmissions in RA-UAC -- Conclusions and Future Directions.
Sommario/riassunto	Following underwater acoustic channel modeling, this book investigates the relationship between coherence time and transmission distances. It considers the power allocation issues of two typical transmission scenarios, namely short-range transmission and medium-long range transmission. For the former scenario, an adaptive system is developed based on instantaneous channel state information. The primary focus is on cooperative dual-hop orthogonal frequency division multiplexing (OFDM). This book includes the decomposed fountain

	codes designed to enable reliable communications with higher energy efficiency. It covers the Doppler Effect, which improves packet transmission reliability for effective low-complexity mirror-mapping-based intercarrier interference cancellation schemes capable of suppressing the intercarrier interference power level. Designed for professionals and researchers in the field of underwater acoustic communications, this book is also suitable for advanced-level students in electrical engineering or computer science.

2.

Record Nr.	UNINA9910131813603321
Titolo	Journal of machinery manufacture and reliability
Pubbl/distr/stampa	[New York, NY] : , : Allerton Press
ISSN	1934-9394
Disciplina	621
Soggetti	Mechanical engineering Machinery - Reliability Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed