

1. Record Nr.	UNINA9910483172703321
Autore	Liu Linfeng
Titolo	Message Dissemination Techniques in Opportunistic Underwater Sensor Networks // by Linfeng Liu, Ran Wang, Jiagao Wu
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2021
ISBN	981-334-381-8
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XVII, 168 p. 110 illus., 78 illus. in color.)
Disciplina	681.2
Soggetti	Telecommunication Signal processing Oceanography Communications Engineering, Networks Signal, Speech and Image Processing Ocean Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Literature Review -- Message Dissemination in OUSNs with Mobility-irregular Node -- Message Dissemination in OUSNs with GPS-free Nodes -- Propagation Control of Data Messages in OUSNs -- Freshness-cost Ratio Optimization of Message Dissemination in OUSNs -- Message Dissemination in Hybrid OUSNs with Storage-limited Nodes -- Message Dissemination based on Spatial-temporal Common Neighbours in Hybrid OUSNs -- Summary and Future Work.
Sommario/riassunto	This book investigates the architectures and characteristics of OUSNs, the mobility models of OUSN nodes, the challenges of message dissemination, and some evaluation indexes of message dissemination. Then, this book provides some message dissemination techniques in OUSNs from the viewpoints of nodes and data messages, respectively. The proposed message dissemination techniques and their conclusions can provide some useful insights to improve the performance of data message dissemination and promote the future applications of OUSNs. Researchers and engineers in the field of underwater sensor networks can benefit from the book. .

