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Titolo	UV Light Self Organizing Network Theory // by Xizheng Ke
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Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (XII, 441 p. 329 illus., 88 illus. in color.)
Collana	Optical Wireless Communication Theory and Technology, , 2731-5975
Disciplina	621.382
Soggetti	Telecommunication Optical communications Lasers Communications Engineering, Networks Microwaves, RF Engineering and Optical Communications Optical Communications Laser
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Theoretical Basis Of Ultraviolet Self Organizing Network -- Atmospheric Channel For Ultraviolet Communication -- Node Location Algorithm For Ultraviolet Communication Network -- Multiuser Detection Technology In Ultraviolet Ad Hoc Networks -- Mac Layer Protocol Fairness In Ultraviolet Self Organizing Networks -- Ultraviolet Wireless Optical Mesh Network Access Protocol -- Routing Protocol For Ultraviolet Self Organizing Networks Based On Node Location And Speed Information -- Routing Protocol For Ultraviolet Communication Network Based On Ant Colony Algorithm -- Ultraviolet Wireless Sensor Network.
Sommario/riassunto	This book covers the basic concepts of UV communication, the analysis of UV channel characteristics, the organize media access protocols, and routing protocols, etc. in the network. Based on the analysis of classical communication protocols, a basic framework for UV self-organising networks is proposed. The communication protocol proposed in the book is analyzed in detail, and the key procedures of computer simulation are given at the end of the book so that readers can learn

and understand. This book can guide senior undergraduate and postgraduate students of communications, networking, and other related majors in colleges and universities. It can also be used as a reference book for researchers and engineering technicians.
