1. Record Nr. UNINA9910438052803321

Autore	Woungang Isaac
Titolo	Routing in opportunistic networks / / Isaac Woungang ... [et al.]
Pubbl/distr/stampa	New York, : Springer, c2013
ISBN	1-4614-3514-5
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (422 p.)
Disciplina	004.6
Soggetti	Wireless communication systems Computer networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Identifying the Intertwined Links between Mobility and Routing in Opportunistic Networks -- Social-aware Opportunistic Routing: The New Trend -- Context-based routing protocols for OppNets -- Energy-Latency Tradeoff of Opportunistic Routing -- Routing in Infrastructure-based Opportunistic Networks -- Opportunistic Routing in Mobile Ad-Hoc Networks -- Modeling of Intermittent Connectivity in Opportunistic Networks: The Case of Vehicular Ad hoc Networks -- Probabilistic Routing Schemes for Ad-Hoc Opportunistic Networks -- On Performance Modelling of Ad hoc Opportunistic Routing Protocols -- Reliable Transport in Delay Tolerant Networks -- Opportunistic Routing in Wireless Mesh Networks -- Social-based Routing Protocols in Opportunistic Networks -- Routing Protocols in Infrastructure-less Opportunistic Networks -- Incentive-Aware Opportunistic Network Routing.
Sommario/riassunto	This book provides a comprehensive guide to selected topics, both ongoing and emerging, in routing in OppNets. The book is edited by worldwide technical leaders, prolific researchers and outstanding academics, Dr. Isaac Woungang and co-editors, Dr. Sanjay Kumar Dhurandher, Prof. Alagan Anpalagan and Prof. Athanasios Vasilakos. Consisting of contributions from well known and high profile researchers and scientists in their respective specialties, the main topics that are covered in this book include mobility and routing, social-aware routing, context-based routing, energy-aware routing,

incentive-aware routing, stochastic routing, modeling of intermittent connectivity, in both infrastructure and infrastructure-less OppNets. Key Features: Discusses existing and emerging techniques for routing in infrastructure and infrastructure-less OppNets. Provides a unified covering of otherwise disperse selected topics on routing in infrastructure and infrastructure-less OppNets. Includes a set of PowerPoint slides and glossary of terms for each chapter for instructors adopting it as a textbook Routing in Opportunistic Networks will be an ideal reference for practitioners and researchers working in the afore-mentioned areas. It also serves as an excellent textbook for graduate and senior undergraduate courses in communication and wireless networking research.