1. Record Nr. UNINA9910156284003321

Autore	Su Zhou
Titolo	Modeling and Optimization for Mobile Social Networks / / by Zhou Su, Qichao Xu, Kuan Zhang, Xuemin (Sherman) Shen
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-47922-9
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XII, 119 p. 41 illus.)
Disciplina	004.6
Soggetti	Computer communication systems Application software Electrical engineering Computer Communication Networks Information Systems Applications (incl. Internet) Communications Engineering, 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	Introduction -- Modeling of Epidemic Information Dissemination for MSNs -- Modeling of Selfishness-aware Incentive for MSNs -- Optimal Relay Services for MSNs -- Optimal Resource Allocation for MSNs -- Optimization of Network Architecture for MSNs -- Conclusions and Future Directions.
Sommario/riassunto	This book investigates the modeling and optimization issues in mobile social networks (MSNs). Firstly, the architecture and applications of MSNs are examined. The existing works on MSNs are reviewed by specifying the critical challenges and research issues. Then, with the introduction of MSN-based social graph and information dissemination mechanisms, the analytical model for epidemic information dissemination with opportunistic Links in MSNs is discussed. In addition, optimal resource allocation is studied based on a heterogeneous architecture, which provides mobile social services with high capacity and low latency. Finally, this book summarize some open problems and future research directions in MSNs. Written for researchers and academics, this book is useful for anyone working on

mobile networks, network architecture, or content delivery. It is also valuable for advanced-level students of computer science.