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Titolo	Service Network Design of Bike Sharing Systems [[electronic resource]] : Analysis and Optimization / / by Patrick Vogel
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ISBN	3-319-27735-9
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (172 p.)
Collana	Lecture Notes in Mobility, , 2196-5544
Disciplina	650.13
Soggetti	Transportation engineering Traffic engineering Transportation Operations research Management science Management Industrial management Computational complexity Transportation Technology and Traffic Engineering Operations Research, Management Science Innovation/Technology Management Complexity
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.
Nota di contenuto	Introduction -- Bike sharing in the context of urban mobility -- Service network design as a logistical challenge in the reliable provision of service in bike sharing systems -- Determination of typical bike flows -- Case study: Generation of typical bike flows for Citybike Wien -- Service network design of bike sharing systems -- Case study: Service network design of Citybike Wien -- Conclusions and outlook.
Sommario/riassunto	This monograph presents a tactical planning approach for service network design in metropolitan areas. Designing the service network requires the suitable aggregation of demand data as well as the anticipation of operational relocation decisions. To this end, an

integrated approach of data analysis and mathematical optimization is introduced. The book also includes a case study based on real-world data to demonstrate the benefit of the proposed service network design approach. The target audience comprises primarily research experts in the field of traffic engineering, but the book may also be beneficial for graduate students.
