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Titolo	Decision Support Methods in Modern Transportation Systems and Networks // edited by Grzegorz Sierpiski, Elbieta Macioszek
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ISBN	3-030-71771-2
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (228 pages)
Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 208
Disciplina	388.015118
Soggetti	Computational intelligence Transportation engineering Traffic engineering Computational Intelligence Transportation Technology and Traffic Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The Redesign Methodology of a Transportation Network -- Evaluating the Efficiency of Regional Transport Network -- Assessment methods of flexibility: a systematic overview of land transportation systems -- Periodic Timetable Nonlinear Optimization in Public Transport Network -- Method of evaluating bus stops based on safety aspects -- Methods of Transport Accessibility Management to Paid Parking Zones with Dynamic Parking Information -- Method to evaluate a bike-sharing system based on performance parameters.
Sommario/riassunto	This book contains an abundance of numerical analyses based on significant data sets, illustrating importance of environmentally friendly solutions requiring transport networks to be redesigned or clean zones to be implemented. What kind of steps should be taken to redesign transport network? How to evaluate efficiency or flexibility of transport system and city logistics? What factors can be taken into account in the process of optimizing the functioning of public transport or paid parking zones? How to optimize supply chains (including last mile delivering and routing problem)? Which of the multi-criteria methods should be applied to support decision making processes while tackling

problems of global transport systems? Answers to these and many other questions can be found in this book. With regard to the research results discussed and the selected solutions applied, the book entitled "Decision support methods in modern transportation systems and networks" primarily addresses the needs of three target groups: - Scientists and researchers (ITS field) - Local authorities (responsible for the transport systems at the urban and regional level) - Representatives of business (traffic strategy management) and industry (manufacturers of ITS components). .
