Record Nr. UNINA9910298504303321 Autore Wang Xin Titolo Operational Transportation Planning of Modern Freight Forwarding Companies: Vehicle Routing under Consideration of Subcontracting and Request Exchange / / by Xin Wang Wiesbaden:,: Springer Fachmedien Wiesbaden:,: Imprint: Springer Pubbl/distr/stampa Gabler, , 2015 3-658-06869-8 ISBN Edizione [1st ed. 2015.] Descrizione fisica 1 online resource (172 p.) Collana Produktion und Logistik Disciplina 658.40301 Soggetti Operations research **Decision making** Production management Operations Research/Decision Theory **Operations Management** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references. Nota di contenuto Integrated Operational Transportation Planning Considering Subcontracting -- Distributed Decision-Making for Collaborative Transportation Planning of Horizontal Coalitions of Forwarders --Rolling Horizon Planning for Dynamic Collaborative Vehicle Routing. Modern freight forwarding companies attempt to cooperate with each Sommario/riassunto other to increase their efficiency. Xin Wang studies the new operational transportation planning problems that arise in the context of cooperation in both static and dynamic scenarios. To achieve the costsavings embedded in cooperation, novel planning approaches that can help forwarders obtaining high-quality solutions are proposed. Computational studies show considerable benefits that can be achieved through cooperation. Contents Integrated Operational Transportation Planning Considering Subcontracting Distributed Decision-Making for Collaborative Transportation Planning of Horizontal Coalitions of Forwarders Rolling Horizon Planning for Dynamic Collaborative Vehicle

Routing Target Groups Researchers and students in the fields of management science, operations research and quantitative logistics

Executives of freight forwarding companies, consultants and software engineers in the areas of transportation planning and optimization The Author Dr. Xin Wang wrote his dissertation under the supervision of Prof. Dr.-Ing. Herbert Kopfer at the Chair of Logistics at the University of Bremen. The Editors The series Produktion und Logistik is edited by Prof. Dr. Bernhard Fleischmann, Prof. Dr. Martin Grunow, Prof. Dr. Hans-Otto Günther, Prof. Dr. Stefan Helber, Prof. Dr. Karl Inderfurth, Prof. Dr. Herbert Kopfer, Prof. Dr. Herbert Meyr, Prof. Dr. Thomas S. Spengler, Prof. Dr. Hartmut Stadtler, Prof. Dr. Horst Tempelmeier and Prof. Dr. Gerhard Wäscher.