1. Record Nr. UNINA9910350330703321

Titolo	Intelligent Transport Systems for Everyone’s Mobility / / edited by Tsunenori Mine, Akira Fukuda, Shigemi Ishida
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-7434-1
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (459 pages)
Disciplina	388.312
Soggetti	Economic policy Regional economics Space in economics Engineering economy Transportation engineering Traffic engineering Transportation R & D/Technology Policy Regional/Spatial Science Engineering Economics, Organization, Logistics, Marketing Transportation Technology and Traffic Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Introduction -- Disaster and Accident Management -- Intelligent Traffic Management -- Big Data Analysis -- Automated Driving -- Agent-based Traffic Simulation -- Intelligent Mobile Application on ITS -- Conclusion.
Sommario/riassunto	This book presents the latest, most interesting research efforts regarding Intelligent Transport System (ITS) technologies, from theory to practice. The book’s main theme is “Mobility for everyone by ITS”; accordingly, it gathers a range of contributions on human-centered factors in the use or development of ITS technologies, infrastructures, and applications. Each of these contributions proposes a novel method for ITS and discusses the method on the basis of case studies conducted in the Asia-Pacific region. The book are roughly divided into

four general categories: 1) Safe and Secure Society, 2) ITS-Based Smart Mobility, 3) Next-Generation Mobility, and 4) Infrastructure Technologies for Practical ITS. In these categories, several key topics are touched on with each other such as driver assistance and behavior analysis, traffic accident and congestion management, vehicle flow management at large events, automated or self-driving vehicles, V2X technologies, next-generation public transportation systems, and intelligent transportation systems made possible by big data analysis. In addition, important current and future ITS-related problems are discussed, taking into account many case studies that have been conducted in this regard.