Record Nr. UNINA9910450990803321 Autore Pickford Andrew T. W. Titolo Road user charging and electronic toll collection / / Andrew T.W. Pickford, Philip T. Blythe Pubbl/distr/stampa Boston:,: Artech House,, ©2006 [Piscatagay, New Jersey]:,: IEEE Xplore,, [2006] **ISBN** 1-58053-859-2 Descrizione fisica 1 online resource (378 p.) Collana Artech House ITS series Altri autori (Persone) BlythePhilip T Disciplina 388.1/14 Soggetti Electronics in transportation Motor vehicles - Automatic location systems Tolls Electronic books. 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 and index. Nota di contenuto Road User Charging and Electronic Toll Collection; Contents vii; Acknowledgments xv; Chapter 1 Introduction to Road User Charging 1; Chapter 2 Road User Charging and Toll Collection 11; Chapter 3 Technology Options for Charging 49; Chapter 4 Technology Options for Enforcement 97; Chapter 5 Vehicle Detection and Classification 133; Chapter 6 Central System 161; Chapter 7 Assembling the Pieces 195; Chapter 8 Case Studies 243; Chapter 9 Future Developments 293; Glossary 333; About the Authors 349; Index Sommario/riassunto This is your road map to today's technologies, systems, regulatory issues, and pricing schemes for electronic toll collection and road-user charging. This authoritative book lets you cut through the maze of available solutions and design options, so you can match the right technology to your policy needs. It clearly steers you through pricing and traffic management principles to easily establish and evolve policies and pricing schemes. The book also provides you with easyto-follow end-to-end steps in system planning, technology selection, procurement and operations.nnThis practical resource teaches you

ways to implement an effective enforcement regime, while obeying laws

on user privacy and balancing costs with returns. You find expert

guidance on the charging process and technologies, vehicle classification, standards and regulatory environments, and back-office operations. The book presents case studies and best practice examples from around the world showing successful local, regional, and cross-border policies for tolling, road use pricing and traffic demand management. The book provides not only a valuable information source for government officials and industry staff but also an essential reference text for postgraduate and undergraduate students alike.