

1. Record Nr.	UNINA9910155009003321
Titolo	Intelligent transportation systems : from good practices to standards / / editor, Paolo Pagano, Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT), Director of CNIT Laboratory at the Livorno Port Authority, Livorno (Italy)
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , [2017] ©2017
ISBN	1-315-35372-5 1-315-37086-7 1-4987-2187-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (206 pages)
Disciplina	388.3/12094
Soggetti	Transportation - Europe - Planning Intelligent transportation systems - Europe
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A Science Publishers book--title page.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	1. Development of an ITS-G5 station, from the physical to the MAC Layer / Joao Almeida, Joaquim Ferreira and Arnaldo S.R. Oliveira -- 2. When buses become smart : the OBIT experience / Matteo Petracca, Luca Maggiani, Stefano Bocchino, Claudio Salvadori and Luciano Niccolai -- 3. Data management and data sharing in field operational tests / Yvonne Barnard, Sami Koskinen, Satu Innamaa, Helena Gellerman, Erik Svanberg, Adrian Zlocki and Haibo Chen -- 4. Design, implementation and field trail of DSRC-based transit signal priority system / Andy Jeng -- 5. Toward smart autonomous cars / Francois Marmoiton and Morgan Slade -- 6. Tolling systems : towards a global set of standards / Fausto Caneschi -- 7. Cooperative ITS : the SDO perspective for early deployment / Hans-Joachim Fischer -- 8. Probe vehicle information systems / Masaaki SATO, Manabu Tsukada, and Hiroshi Ito -- 9. Complex infrastructures : the benefit of ITS services in seaports / Paolo Pagano, Mariano Falcitelli, Silvia Ferrini, Francesco Papucci, Francescalberto De Bari and Antonella Querci.

## Sommario/riassunto

Intelligent Transport Systems (ITS) are considered to be powerful tools for sustainable growth of mobility at all levels (local, regional, national, transnational). The book reviews the current Research & Development status, ranging from connected (and autonomous) cars and buses, to real-world large-scale field trials, data analysis and assessment of technological solutions. Standards and normative aspects in the domain of Electronic Fee Collection and Cooperative Systems oriented to probe data collection, safety and non-safety critical applications in vehicular networks, are studied.

---