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	Nota di contenuto	Introduction - Jochen Schiller and Agns Voisard Chapter 1 General Aspects of Location Based Services - Sarah Spiekermann Chapter 2 Case Study: The Development of the Find Friends Application - Mark Strassman and Clay Collier Chapter 3 Navigation Systems: A Spatial Database Perspective - Shashi Shekhar, Ranga Raju Vatsavai, Xiaobin Ma, and Jin Soung Yoo Chapter 4 Middleware for Location-Based Services - Hans-Arno Jacobsen, University of Toronto Chapter 5 Database Aspects of Location-Based Services - Christian Jensen Chapter 6 LBS Interoperability Through Standards - Lance McKee Chapter 7 Data Collection - Joerg Roth Chapter 8 Data Transmission in Mobile Communication Systems - Holger Karl. General aspects of location-based services / Sarah Spiekermann -- Case study : development of the Find friend application / Mark Strassman and Clay Collier -- Navigation systems : a spatial database perspective / Shashi Shekhar ... [et al.] -- Middleware for location-based services / Hans-Arno Jacobsen -- Database aspects of location-based services / Christian Jensen -- LBS interoperability through standards / Lance McKee -- Data collection / Joerg Roth -- Data transmission in mobile communication systems / Holger Karl.
	Sommario/riassunto	Location-based services (LBS) are a new concept integrating a users

geographic location with the general notion of services, such as dialing an emergency number from a cell phone or using a navigation system in a car. Incorporating both mobile communication and spatial data, these applications represent a novel challenge both conceptually and technically. The purpose of this book is to describe, in an accessible fashion, the various concepts underlying mobile location-based services. These range from general application-related ideas to technical aspects. Each chapter starts with a high level of abstraction and drills down to the technical details. Contributors examine each application from all necessary perspectives, namely, requirements, services, data, and scalability. An illustrative example begins early in the book and runs throughout, serving as a reference. This book defines the LBS field and identifies its capabilities, challenges, and technologies. The contributors are recognized experts from academia and industry. Coverage includes navigation systems, middleware, interoperability, standards, and mobile communications. A sample application, the "find-friend" application, is used throughout the book to integrate the concepts discussed in each chapter.