1. Record Nr. UNINA9910145149803321

Titolo	Encyclopedia of GIS / / Shashi Shekhar, Hui Xiong, editors
Pubbl/distr/stampa	New York, N.Y. : , : Springer, , 2008
ISBN	0-387-35973-7
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (xxxix, 1370 pages) : illustrations
Collana	Gale eBooks
Disciplina	910.285
Soggetti	Geographic information systems Information storage and retrieval systems - Geography
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. [1279]-1353).
Nota di contenuto	From the contents Preface -- Active Database Technology -- Computational Geometry -- Critical Evaluation of Standards Proposals -- Data Semantics and Models -- Geoinformatics -- Geoprivacy -- Geosecurity.-Geospatial Data Versioning -- Graphical Aspects -- Human Spatial Reasoning -- Image Databases -- Interoperability and Standards -- Languages for Metadata Management -- Management of Raster and Vector Data -- Middleware Architectures -- Practical Approaches from Computational Geometry -- Real-Time Spatio-Temporal Databases -- Spatial Aspects of Bioinformatics -- Spatial Aspects of Mobile Computing -- Spatial Cognition -- Spatial Data Mining and Knowledge Discovery -- Spatial Extensibility of O-R DBMSs -- Systems Architectures -- Technology Forecasting and Transfer -- Traffic Management System -- Uncertainty and Imprecision -- Virtual Reality and 3D -- Visual Query Languages -- Wireless Networks -- Index.
Sommario/riassunto	The Encyclopedia of GIS features a comprehensive, authoritative treatment of this subject matter, with a simple A-Z format providing easy access to the field. Authored and peer-reviewed by world experts, the entries explain the key software, data sets, and processes used by geographers and computational scientists. Nearly 200 topics include major overviews such as Geoinformatics, Spatial Cognition, and Location-Based Services. Short entries, cross-referenced to related larger entries, define specific terms and concepts such as the Global

Positioning System, Digital Elevation/Terrain Model, and Remote Sensing. Larger entries include key citations to the literature, and (online) internal hyperlinks to definitional entries and current standards. Published as a print volume with abundant black and white art, the Encyclopedia of GIS will be available simultaneously as an XML online reference with hyperlinked citations, cross-references, four-color art, links to web-based maps, and other interactive features.