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	Titolo	Multimodal Location Estimation of Videos and Images / / edited by Jaeyoung Choi, Gerald Friedland
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
	ISBN	3-319-09861-6
	Edizione	[1st ed. 2015.]
	Descrizione fisica	1 online resource (199 p.)
	Disciplina	006.7 620 621.382
	Soggetti	Signal processing Image processing Speech processing systems Electrical engineering Multimedia information systems Signal, Image and Speech Processing Communications Engineering, Networks Multimedia Information Systems
	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.
	Nota di contenuto	Introduction -- The Benchmark as a Research Catalyst: Charting the Progress of Geo-Prediction for Social Multimedia -- Large-scale Image Geolocalization -- Vision-based Fine-Grained Location Estimation -- Image-Based Positioning of Mobile Devices in Indoor Environments -- Application of Large-Scale Classification Techniques for Simple Location Estimation Experiments -- Collaborative Multimodal Location Estimation of Consumer Media -- Georeferencing Flickr resources based on multimodal features -- Human vs Machine: Establishing a Human Baseline for Multimodal Location Estimation -- Personalized Travel Navigation and Photo-Shooting Navigation Using Large-Scale Geotags.
	Sommario/riassunto	This book presents an overview of the field of multimodal location estimation, i.e. using acoustic, visual, and/or textual cues to estimate

the shown location of a video recording. The authors' sample research results in this field in a unified way integrating research work on this topic that focuses on different modalities, viewpoints, and applications. The book describes fundamental methods of acoustic, visual, textual, social graph, and metadata processing as well as multimodal integration methods used for location estimation. In addition, the text covers benchmark metrics and explores the limits of the technology based on a human baseline. ·   Discusses localization of multimedia data; ·   Examines fundamental methods of establishing location metadata for images and videos (other than GPS tagging); ·   Covers Data-Driven as well as Semantic Location Estimation.