1.	Record Nr.	UNINA9910255453903321
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	Titolo	Taxonomy Matching Using Background Knowledge : Linked Data, Semantic Web and Heterogeneous Repositories / / by Heiko Angermann, Naeem Ramzan
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
	ISBN	3-319-72209-3
	Edizione	[1st ed. 2017.]
	Descrizione fisica	1 online resource (XIV, 103 p. 14 illus.)
	Disciplina	006.4
	Soggetti	Data mining Pattern recognition Management information systems Artificial intelligence Data Mining and Knowledge Discovery Pattern Recognition Business Information Systems Artificial Intelligence
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Part I: Introduction to Taxonomy Matching -- Background Taxonomy Matching -- Background of Taxonomic Heterogeneity.- Part II: Recent Matching Techniques, Algorithms, Systems, Evaluations, and Datasets -- Matching Techniques, Algorithms, and Systems -- Matching Evaluations and Datasets.- Part III: Taxonomy Heterogeneity Applications -- Related Areas.- Part IV: Conclusions -- Conclusions.
	Sommario/riassunto	This important text/reference presents a comprehensive review of techniques for taxonomy matching, discussing matching algorithms, analyzing matching systems, and comparing matching evaluation approaches. Different methods are investigated in accordance with the criteria of the Ontology Alignment Evaluation Initiative (OAEI). The text also highlights promising developments and innovative guidelines, to further motivate researchers and practitioners in the field. Topics and features: Discusses the fundamentals and the latest developments in

taxonomy matching, including the related fields of ontology matching and schema matching Reviews next-generation matching strategies, matching algorithms, matching systems, and OAEI campaigns, as well as alternative evaluations Examines how the latest techniques make use of different sources of background knowledge to enable precise matching between repositories Describes the theoretical background, state-of-the-art research, and practical real-world applications Covers the fields of dynamic taxonomies, personalized directories, catalog segmentation, and recommender systems This stimulating book is an essential reference for practitioners engaged in data science and business intelligence, and for researchers specializing in taxonomy matching and semantic similarity assessment. The work is also suitable as a supplementary text for advanced undergraduate and postgraduate courses on information and metadata management. Dr. Heiko Angermann is an e-commerce, enterprise content management, and omni/multi-channel consultant, and the Head of Project Management at an e-commerce consulting house located in Nuremberg, Germany. Prof. Naeem Ramzan is a full Professor of Computing Engineering in the School of Engineering and Computing at the University of West of Scotland, Paisley, UK. His other publications include the successful Springer title Social Media Retrieval.