

Contents

Part I Large-Scale and Knowledge-Driven Schema Matching

1	Towards Large-Scale Schema and Ontology Matching	3
	Erhard Rahm	
2	Interactive Techniques to Support Ontology Matching	29
	Sean M. Falconer and Natalya F. Noy	
3	Enhancing the Capabilities of Attribute Correspondences	53
	Avigdor Gal	
4	Uncertainty in Data Integration and Dataspace Support Platforms	75
	Anish Das Sarma, Xin Luna Dong, and Alon Y. Halevy	

Part II Quality-Driven Schema Mapping and Evolution

5	Discovery and Correctness of Schema Mapping Transformations	111
	Angela Bonifati, Giansalvatore Mecca, Paolo Papotti, and Yannis Velegrakis	
6	Recent Advances in Schema and Ontology Evolution	149
	Michael Hartung, James Terwilliger, and Erhard Rahm	
7	Schema Mapping Evolution Through Composition and Inversion	191
	Ronald Fagin, Phokion G. Kolaitis, Lucian Popa, and Wang-Chiew Tan	
8	Mapping-Based Merging of Schemas	223
	Rachel Pottinger	

Part III Evaluating and Tuning of Matching Tasks

9 On Evaluating Schema Matching and Mapping253
Zohra Bellahsene, Angela Bonifati, Fabien Duchateau,
and Yannis Velegrakis

10 Tuning for Schema Matching293
Zohra Bellahsene and Fabien Duchateau

Index317

Schema Matching and Mapping

Bellahsene, Z.; Bonifati, A.; Rahm, E. (Eds.)

2011, XII, 320 p., Hardcover

ISBN: 978-3-642-16517-7