

Contents

Part I Collaborative Knowledge Collection through Community-Built Databases

1 Social Web: Web 2.0 Technologies to Enhance Knowledge Communities	3
Anteneh Ayanso, Tejaswini Herath, and Kaveepan Lertwachara	
2 Community-Contributed Media Collections: Knowledge at Our Fingertips	21
Tania Cerquitelli, Alessandro Fiori, and Alberto Grand	

Part II Social Analysis in Community-Built Databases

3 Social Network Analysis in Community-Built Databases	51
Václav Snášel, Zdeněk Horák, and Miloš Kudělka	
4 Design Considerations for a Social Network-Based Recommendation System (SNRS)	73
Jianming He and Wesley W. Chu	
5 Community Detection in Collaborative Tagging Systems	107
Symeon Papadopoulos, Athena Vakali, and Yiannis Kompatsiaris	
6 On Using Social Context to Model Information Retrieval and Collaboration in Scientific Research Community	133
Lynda Tamine, Lamjed Ben Jabeur, and Wahiba Bahsoun	

Part III Community-Built Databases Storage and Modelling

7 Social Interaction in Databases	159
Antonio Badia	
8 Motivation Model in Community-Built System	183
Przemysław Różewski and Emma Kusztina	
9 Graph Database for Collaborative Communities	205
Rania Soussi, Marie-Aude Aufaure, and Hajer Baazaoui	
10 Semantics in Wiki	235
Lorna Uden	

Part IV Future of Community-Built Databases Research and Development

11 On the Future of Mobile Phones as the Heart of Community-Built Databases	261
Jose C. Cortizo, Luis I. Diaz, Francisco M. Carrero, Adrian Yanes, and Borja Monsalve	
12 Designed for Good: Community Well-Being Oriented Online Databases for Youth	289
S. Vodanovich, M. Rohde, and D. Sundaram	
13 Collaborative Environments: Accessibility and Usability for Users with Special Needs	319
M. Mesiti, M. Ribauda, S. Valtolina, B.R. Barricelli, P. Boccacci, and S. Dini	
14 Trust in Online Collaborative IS	341
Sara Javanmardi and Cristina Lopes	
Index	371