## Contents

1 Introduction ...................................................... 1

2 User-Generated Content ........................................... 11
   2.1 What User-Generated Content Is and What It Is Not .......... 12
       2.1.1 Terminology for Key Concepts Used in this Work .... 12
       2.1.2 The Variety of Terminologies in Related Works .......... 16
       2.1.3 Social Media Categories Used in this Work ........... 20
   2.2 The Value of User-Generated Content ......................... 25
       2.2.1 A Short History of Publication ......................... 25
       2.2.2 Social Media Becomes a News Source ................. 27
       2.2.3 Social Media Empowers Civil Movements ............ 29
       2.2.4 Social Media Facilitates Ethical Consumerism ....... 31
       2.2.5 Social Media Supports Word-of-Mouth ............... 32
       2.2.6 Social Media Extends Market Research ............ 35
       2.2.7 Intentions Determine the Value of Social Media ....... 35
   2.3 Users’ Strategies to Interpret Metadata Today ............. 36
   2.4 Existing Approaches Lack Cross-Platform Compatibility .... 40
3 Metadata in User-Generated Content

3.1 Analysis of Metadata for User-Generated Content

3.1.1 Blogs
3.1.2 Forums
3.1.3 Location Sharing and Annotation Platforms
3.1.4 Media Sharing Platforms
3.1.5 Microblogs
3.1.6 Question and Answer Platforms
3.1.7 Rating and Review Platforms
3.1.8 Social Networks

3.2 Cross-Category Comparison of Metadata

3.3 From Data to Information: Semantics of Metadata

3.3.1 Why It Matters Who the Author Is
3.3.2 Why It Matters Where Something Is Published
3.3.3 What the Content Reveals
3.3.4 What Other People Tell Us

3.4 The Social Media Document View

4 Towards Query-Independent Ranking

4.1 User Information Needs and Search Strategies
4.2 Query-Dependent and Query-Independent Ranking

4.2.1 Ranking in Information Retrieval
4.2.2 Query-Independent Ranking for Web Page Retrieval

4.3 Shortcomings of Traditional Information Retrieval Concepts

5 A Cross-Platform Ranking Approach

5.1 Five Scores Reflecting the Social Media Document View
5.2 Cross-Platform Compatibility Creates Comparability
5.3 An Example Case for Forums and Media Sharing Platforms
Contents

6 Applications ................................................................. 123
   6.1 A Discovery Engine for User-Generated Content .... 125
   6.2 A Search Engine for User-Generated Content ....... 129

7 Conclusion ................................................................. 133
   7.1 Summary .............................................................. 133
   7.2 Extensions and Further Research ......................... 134

Appendix: Collection of User-Generated Content
   Metadata ............................................................... 139

Bibliography ............................................................... 149

Index ........................................................................ 165