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Nota di contenuto	Contents ; Foreword ; Preface ; Chapter 1. A review of search and resource discovery techniques in peer-to-peer networks ; 1 Introduction ; 2 Search in peer-to-peer systems ; 3 Classification of distributed search methods ; 3.1 Content-agnostic search ; 3.2 Content-based search 3.3 Learning and self-organization strategies 4 JXTA search ; 5 A network of JXTA search hubs ; 5.1 Advertisement registration ; 5.2 Query resolution ; 5.3 Advantages of the JXTA search architecture network ; 6 Conclusion ; References Chapter 2. Adaptive content mapping for Internet navigation 1 Introduction ; 2 Standard information retrieval methods ; 2.1 Keyword search ; 2.2 Recall enhancers ; 2.3 Using meta information ; 2.4 Classification

trees ; 2.5 Indexing ; 2.6 Vector space  
 models  
 2.7 Similarity measures 3 Adaptive content mapping  
 ; 3.1 Automatic classification by clustering  
 ; 3.2 Adaptive hierarchical classification ;  
 3.3 Local adaptation ; 4 Intuitive navigation  
 ; 4.1 Hierarchical navigation and the zoomable user interface  
 4.2 Similarity based visualization 5 The  
 HADES system ; 5.1 Specifications ; 5.2  
 The adaptation mechanisms ; 5.3 Intuitive  
 navigation ; 5.4 Implementation issues  
 ; 6 Discussion and outlook ; References ;  
 Chapter 3. Flexible queries to XML information  
 1 A concise introduction to XML

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Sommario/riassunto

The Internet/WWW has made it possible to easily access quantities of information never available before. However, both the amount of information and the variation in quality pose obstacles to the efficient use of the medium. Artificial intelligence techniques can be useful tools in this context. Intelligent systems can be applied to searching the Internet and data-mining, interpreting Internet-derived material, the human-Web interface, remote condition monitoring and many other areas. This volume presents the latest research on the interaction between intelligent systems (neural networks, ad

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