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Web Publishing with Acrobat/PDF - Thomas Merz 2012-12-06

Although the World Wide Web is enjoying enormous growth rates, many Web publishers have discovered that HTML is not up to the requirements of modern corporate communication. For them, Adobe Acrobat offers a wealth of design possibilities. The close integration of Acrobat in the World Wide Web unites the structural advantages of HTML with the comprehensive layout possibilities of Portable Document Format (PDF). On the basis of practical examples and numerous tricks, this book describes how to produce PDF documents efficiently. Numerous tips on integrating Acrobat into CGI, JavaScript, VBScript, Active Server Pages, search engines, and so on make the book a mine of information for all designers and administrators of Web sites.

Encyclopedia of Artificial Intelligence - Juan Ramon Rabunal 2009-01-01

"This book is a comprehensive and in-depth reference to the most recent developments in the field covering theoretical developments, techniques, technologies, among others"--Provided by publisher.

Understanding Information Retrieval Systems - Marcia J. Bates 2011-12-20

In order to be effective for their users, information retrieval (IR) systems should be adapted to the specific needs of particular environments. The huge and growing array of types of information retrieval systems in use today is on display in *Understanding Information Retrieval Systems: Management, Types, and Standards*, which addresses over 20 typ *Mining User Generated Content* Marie-Francine Moens 2014-01-28
Originating from Facebook, LinkedIn, Twitter, Instagram, YouTube, and many other networking sites, the social media shared by users and the associated metadata are collectively known as user generated content (UGC). To analyze UGC and glean insight about user behavior, robust techniques are needed to tackle the huge amount of real-time, multimedia, and multilingual data. Researchers must also know how to assess the social aspects of UGC, such as user relations and influential users. *Mining User Generated Content* is the first focused effort to compile state-of-the-art research and address future directions of UGC. It explains how to collect, index, and analyze UGC to uncover social trends and user habits. Divided into four parts, the book focuses on the mining and applications of UGC. The first part presents an introduction to this new and exciting topic. Covering the mining of UGC of different medium types, the second part discusses the social annotation of UGC, social network graph construction and community mining, mining of UGC to assist in music retrieval, and the popular but difficult topic of UGC sentiment analysis. The third part describes the mining and searching of various types of UGC, including knowledge extraction, search techniques for UGC content, and a specific study on the analysis and annotation of Japanese blogs. The fourth part on applications explores the use of UGC to support question-answering, information summarization, and recommendations.

Information Retrieval - Stefan Buttcher 2016-02-12

An introduction to information retrieval, the foundation for modern search engines, that emphasizes implementation and experimentation. Information retrieval is the foundation for modern search engines. This textbook offers an introduction to the core topics underlying modern search technologies, including algorithms, data structures, indexing, retrieval, and evaluation. The emphasis is on implementation and experimentation; each chapter includes exercises and suggestions for student projects. Wumpus—a multiuser open-source information retrieval system developed by one of the authors and available online—provides model implementations and a basis for student work. The modular structure of the book allows instructors to use it in a variety of graduate-level courses, including courses taught from a database systems perspective, traditional information retrieval courses with a focus on IR theory, and courses covering the basics of Web retrieval. In addition to its classroom use, *Information Retrieval* will be a valuable reference for professionals in computer science, computer engineering, and software

engineering.

Next Generation Search Engines: Advanced Models for Information Retrieval Jouis, Christophe 2012-03-31

Recent technological progress in computer science, Web technologies, and the constantly evolving information available on the Internet has drastically changed the landscape of search and access to information. Current search engines employ advanced techniques involving machine learning, social networks, and semantic analysis. *Next Generation Search Engines: Advanced Models for Information Retrieval* is intended for scientists and decision-makers who wish to gain working knowledge about search in order to evaluate available solutions and to dialogue with software and data providers. The book aims to provide readers with a better idea of the new trends in applied research.

Digital Libraries: People, Knowledge, and Technology Lim 2003-07-01

The International Conference on Asian Digital Libraries (ICADL) is an annual international forum for participants to exchange research results, innovative ideas, and state-of-the-art developments in digital libraries. Built upon the successes of the first four ICADL conferences, the 5th ICADL Conference in Singapore was aimed at further strengthening the position of ICADL as a premier digital library conference that draws high quality papers and presentations from all around the world, while meeting the needs and interests of digital library communities in the Asia-Pacific region. The theme of the conference, "Digital Libraries: People, Knowledge & Technology," reflects the shared belief of the organizers that success in the development and implementation of digital libraries lies in the achievement of three key areas: the richness and depth of content to meet the needs of the communities they intend to serve; the technologies that are employed to build user-centered environments through organization, interaction, and provision of access to that content; and the human elements of management policies, maintenance, and vision necessary to keep pace with new content, new technologies, and changing user needs.

Automotive, Mechanical and Electrical Engineering - Lin Liu 2017-06-26

The 2016 International Conference on Automotive Engineering, Mechanical and Electrical Engineering (AEMEE 2016) was held December 9-11, 2016 in Hong Kong, China. AEMEE 2016 was a platform for presenting excellent results and new challenges facing the fields of automotive, mechanical and electrical engineering. Automotive, Mechanical and Electrical Engineering brings together a wide range of contributions from industry and governmental experts and academics, experienced in engineering, design and research. Papers have been categorized under the following headings: Automotive Engineering and Rail Transit Engineering. Mechanical, Manufacturing, Process Engineering. Network, Communications and Applied Information Technologies. Technologies in Energy and Power, Cell, Engines, Generators, Electric Vehicles. System Test and Diagnosis, Monitoring and Identification, Video and Image Processing. Applied and Computational Mathematics, Methods, Algorithms and Optimization. Technologies in Electrical and Electronic, Control and Automation. Industrial Production, Manufacturing, Management and Logistics.

Algorithms -- ESA 2010, Part Märk de Berg 2010-08-25

This book constitutes the proceedings of the 18th Annual European Symposium on Algorithms, held in Liverpool, UK in September 2010.

Database Technologies: Concepts, Methodologies, Tools, and Applications Erickson, John 2009-02-28

"This reference expands the field of database technologies through four-volumes of in-depth, advanced research articles from nearly 300 of the world's leading professionals"--Provided by publisher.

Intelligence Science and Big Data Engineering. Big Data and Machine Learning Techniques Xiaofei He 2015-10-13

The two-volume set LNCS 9242 + 9243 constitutes the proceedings of

the 5th International Conference on Intelligence Science and Big Data Engineering, IScIDE 2015, held in Suzhou, China, in June 2015. The total of 126 papers presented in the proceedings was carefully reviewed and selected from 416 submissions. They deal with big data, neural networks, image processing, computer vision, pattern recognition and graphics, object detection, dimensionality reduction and manifold learning, unsupervised learning and clustering, anomaly detection, semi-supervised learning.

Language, Culture, Computation: Computing - Theory and Technology - Nachum Dershowitz 2014-12-03

This Festschrift volume is published in Honor of Yaacov Choueka on the occasion of this 75th birthday. The present three-volumes liber amicorum, several years in gestation, honours this outstanding Israeli computer scientist and is dedicated to him and to his scientific endeavours. Yaacov's research has had a major impact not only within the walls of academia, but also in the daily life of lay users of such technology that originated from his research. An especially amazing aspect of the temporal span of his scholarly work is that half a century after his influential research from the early 1960s, a project in which he is currently involved is proving to be a sensation, as will become apparent from what follows. Yaacov Choueka began his research career in the theory of computer science, dealing with basic questions regarding the relation between mathematical logic and automata theory. From formal languages, Yaacov moved to natural languages. He was a founder of natural-language processing in Israel, developing numerous tools for Hebrew. He is best known for his primary role, together with Aviezri Fraenkel, in the development of the Responsa Project, one of the earliest fulltext retrieval systems in the world. More recently, he has headed the Friedberg Genizah Project, which is bringing the treasures of the Cairo Genizah into the Digital Age. This first part of the three-volume set covers a range of topics in computer science. The papers are grouped in topical sections on: the jubilaris: Yaacov and his oeuvre; theory of computation; science computing and tools for engineering; information retrieval.

Information Access through Search Engines and Digital Libraries - Maristella Agosti 2007-10-27

The Information Management Systems group at the University of Padua has been a major contributor to information retrieval (IR) and digital libraries. The papers in this book include coverage of automated text categorizations, web link analysis algorithms, retrieval in multimedia digital libraries, and multilingual information retrieval. The text will appeal to institutions and companies working on search engines and information retrieval algorithms.

Understanding Search Engines - Michael W. Berry 2005-01-01

The second edition of *Understanding Search Engines: Mathematical Modeling and Text Retrieval* follows the basic premise of the first edition by discussing many of the key design issues for building search engines and emphasizing the important role that applied mathematics can play in improving information retrieval. The authors discuss important data structures, algorithms, and software as well as user-centered issues such as interfaces, manual indexing, and document preparation. Readers will find that the second edition includes significant changes that bring the text up to date on current information retrieval methods. For example, the authors have added a completely new chapter on link-structure algorithms used in search engines such as Google, and the chapter on user interface has been rewritten to specifically focus on search engine usability. To reflect updates in the literature on information retrieval, the authors have added new recommendations for further reading and expanded the bibliography. In addition, the index has been updated and streamlined to make it more reader friendly.

Medinfo 2007 - Klaus A. Kuhn 2007

The papers presented are refereed and from all over the world. They reflect the breadth and depth of the field of biomedical and health informatics, covering topics such as; health information systems, knowledge and data management, education, standards, consumer health and human factors, emerging technologies, sustainability, organizational and economic issues, genomics, and image and signal processing. As this volume carries such a wide collection, it will be of great interest to anyone engaged in biomedical and health informatics research and application.

Mobile Computing: Concepts, Methodologies, Tools, and Applications - Taniar, David 2008-11-30

"This multiple-volume publication advances the emergent field of mobile computing offering research on approaches, observations and models pertaining to mobile devices and wireless communications from over 400

leading researchers"--Provided by publisher.

Advances in Intelligent Data Analysis - Frank Hoffmann 2003-06-30

This book constitutes the refereed proceedings of the 4th International Conference on Intelligent Data Analysis, IDA 2001, held in Cascais, Portugal, in September 2001. The 37 revised full papers presented were carefully reviewed and selected from a total of almost 150 submissions. All current aspects of this interdisciplinary field are addressed; the areas covered include statistics, artificial intelligence, neural networks, machine learning, data mining, and interactive dynamic data visualization.

Anaphora Resolution and Text Retrieval - Helene Schmolz 2015-03-30

This book covers anaphora resolution for the English language from a linguistic and computational point of view. First, a definition of anaphors that applies to linguistics as well as information technology is given. On this foundation, all types of anaphors and their characteristics for English are outlined. To examine how frequent each type of anaphor is, a corpus of different hypertexts has been established and analysed with regard to anaphors. The most frequent type are non-finite clause anaphors - a type which has never been investigated so far. Therefore, the potential of non-finite clause anaphors are further explored with respect to anaphora resolution. After presenting the fundamentals of computational anaphora resolution and its application in text retrieval, rules for resolving non-finite clause anaphors are established. Therefore, this book shows that a truly interdisciplinary approach can achieve results which would not have been possible otherwise.

Content Analysis - Klaus Krippendorff 2018-05-09

What matters in people's social lives? What motivates and inspires our society? How do we enact what we know? Since the first edition published in 1980, *Content Analysis* has helped shape and define the field. In the highly anticipated Fourth Edition, award-winning scholar and author Klaus Krippendorff introduces readers to the most current method of analyzing the textual fabric of contemporary society. Students and scholars will learn to treat data not as physical events but as communications that are created and disseminated to be seen, read, interpreted, enacted, and reflected upon according to the meanings they have for their recipients. Interpreting communications as texts in the contexts of their social uses distinguishes content analysis from other empirical methods of inquiry. Organized into three parts, *Content Analysis* first examines the conceptual aspects of content analysis, then discusses components such as unitizing and sampling, and concludes by showing readers how to trace the analytical paths and apply evaluative techniques. The Fourth Edition has been completely revised to offer readers the most current techniques and research on content analysis, including new information on reliability and social media. Readers will also gain practical advice and experience for teaching academic and commercial researchers how to conduct content analysis. Available with Perusall—an eBook that makes it easier to prepare for class Perusall is an award-winning eBook platform featuring social annotation tools that allow students and instructors to collaboratively mark up and discuss their SAGE textbook. Backed by research and supported by technological innovations developed at Harvard University, this process of learning through collaborative annotation keeps your students engaged and makes teaching easier and more effective. Learn more.

Accessing Multilingual Information Repositories - Friedrich Gey 2006-10-15

This book constitutes the thoroughly refereed postproceedings of the 6th Workshop of the Cross-Language Evaluation Forum, CLEF 2005. The book presents 111 revised papers together with an introduction. Topical sections include multilingual textual document retrieval, cross-language and more, monolingual experiments, domain-specific information retrieval, interactive cross-language information retrieval, multiple language question answering, cross-language retrieval in image collections, cross-language speech retrieval, multilingual Web track, cross-language geographical retrieval, and evaluation issues.

Advances in Information Retrieval - W. Bruce Croft 2006-04-11

The Center for Intelligent Information Retrieval (CIIR) was formed in the Computer Science Department of the University of Massachusetts, Amherst in 1992. The core support for the Center came from a National Science Foundation State/Industry/University Cooperative Research Center (S/IUCRC) grant, although there had been a sizeable information retrieval (IR) research group for over 10 years prior to that grant. The basic goal of these Centers is to combine basic research, applied research, and technology transfer. The CIIR has been successful in each of these areas, in that it has produced over 270 research papers, has been involved in many successful government and industry

collaborations, and has had a significant role in high-visibility Internet sites and start-ups. As a result of these efforts, the CIIR has become known internationally as one of the leading research groups in the area of information retrieval. The CIIR focuses on research that results in more effective and efficient access and discovery in large, heterogeneous, distributed, text and multimedia databases. The scope of the work that is done in the CIIR is broad and goes significantly beyond “traditional” areas of information retrieval such as retrieval models, cross-lingual search, and automatic query expansion. The research includes both low-level systems issues such as the design of protocols and architectures for distributed search, as well as more human-centered topics such as user interface design, visualization and data mining with text, and multimedia retrieval.

Rising Threats in Expert Applications and Solutions - Vijay Singh Rathore 2022-07-03

The book presents high-quality, peer-reviewed papers from the FICR International Conference on Rising Threats in Expert Applications and Solutions 2022 organized by IIS (Deemed to be University), Jaipur, Rajasthan, India, during January 7-8, 2022. The volume is a collection of innovative ideas from researchers, scientists, academicians, industry professionals, and students. The book covers a variety of topics, such as expert applications and artificial intelligence/machine learning; advance web technologies such as IoT, big data, cloud computing in expert applications; information and cyber security threats and solutions, multimedia applications in forensics, security and intelligence; advancements in app development; management practices for expert applications; and social and ethical aspects in expert applications through applied sciences.

Knowledge-based Software Engineering Maria Virvou 2012

As knowledge-based software engineering matures and increasingly automates the software engineering life cycle, software engineering resources are shifting towards knowledge acquisition and the automated reuse of expert knowledge for developing software artifacts. This book summarizes the work and new research results presented at the Tenth Joint Conference on Knowledge-based Software Engineering (JCKBSE 2012), held on the island of Rhodes, Greece, in August 2012. The biennial Joint Conference on Knowledge-Based Software Engineering brings together researchers and practitioners to share ideas on the foundations, techniques, tools, and applications of knowledge-based software engineering theory and practice. Topics addressed include theoretical foundations, practical techniques, software tools, applications and/or experience reports in knowledge-based software engineering. This book is published in the subseries Knowledge-Based Intelligent Engineering Systems (KBIES).

Official Gazette of the United States Patent and Trademark Office - United States. Patent and Trademark Office 2002

Annual Review of Information Science and Technology Blaise Cronin 2006-10

ARIST, published annually since 1966, is a landmark publication within the information science community. It surveys the landscape of information science and technology, providing an analytical, authoritative, and accessible overview of recent trends and significant developments. The range of topics varies considerably, reflecting the dynamism of the discipline and the diversity of theoretical and applied perspectives. While ARIST continues to cover key topics associated with classical information science (e.g., bibliometrics, information retrieval), editor Blaise Cronin is selectively expanding its footprint in an effort to connect information science more tightly with cognate academic and professional communities.

Biometric Recognition - Jie Zhou 2018-08-08

The LNCS volume 10996 constitutes the proceedings of the 13th Chinese Conference on Biometric Recognition, held in Urumchi, China, in August 2018. The 79 regular papers presented in this book were carefully reviewed and selected from 112 submissions. The papers cover a wide range of topics such as Biometrics, Speech recognition, Activity recognition and understanding, Online handwriting recognition, System forensics, Multi-factor authentication, Graphical and visual passwords.

Data Analytics and Management in Data Intensive Domains - Yannis Manolopoulos 2019-07-03

This book constitutes the refereed proceedings of the 20th International Conference on Data Analytics and Management in Data Intensive Domains, DAMDID/RCDL 2018, held in Moscow, Russia, in October 2018. The 9 revised full papers presented together with three invited papers were carefully reviewed and selected from 54 submissions. The

papers are organized in the following topical sections: FAIR data infrastructures, interoperability and reuse; knowledge representation; data models; data analysis in astronomy; text search and processing; distributed computing; information extraction from text.

Advances in Artificial Intelligence - Richard Khoury 2016-05-13

This book constitutes the refereed proceedings of the 29th Canadian Conference on Artificial Intelligence, Canadian AI 2016, held in Victoria, BC, Canada, in May/June 2016. The 12 full papers and 27 short papers presented were carefully reviewed and selected from 97 submissions. The focus of the conference was on the following subjects: actions and behaviours, audio and visual recognition, natural language processing, reasoning and learning, streams and distributed computing.

Advanced Metasearch Engine Technology - Weiyi Meng 2022-05-31

Among the search tools currently on the Web, search engines are the most well known thanks to the popularity of major search engines such as Google and Yahoo!. While extremely successful, these major search engines do have serious limitations. This book introduces large-scale metasearch engine technology, which has the potential to overcome the limitations of the major search engines. Essentially, a metasearch engine is a search system that supports unified access to multiple existing search engines by passing the queries it receives to its component search engines and aggregating the returned results into a single ranked list. A large-scale metasearch engine has thousands or more component search engines. While metasearch engines were initially motivated by their ability to combine the search coverage of multiple search engines, there are also other benefits such as the potential to obtain better and fresher results and to reach the Deep Web. The following major components of large-scale metasearch engines will be discussed in detail in this book: search engine selection, search engine incorporation, and result merging. Highly scalable and automated solutions for these components are emphasized. The authors make a strong case for the viability of the large-scale metasearch engine technology as a competitive technology for Web search. Table of Contents: Introduction / Metasearch Engine Architecture / Search Engine Selection / Search Engine Incorporation / Result Merging / Summary and Future Research

Entity-Oriented Search - Krisztian Balog 2018-10-02

This open access book covers all facets of entity-oriented search—where “search” can be interpreted in the broadest sense of information access—from a unified point of view, and provides a coherent and comprehensive overview of the state of the art. It represents the first synthesis of research in this broad and rapidly developing area. Selected topics are discussed in-depth, the goal being to establish fundamental techniques and methods as a basis for future research and development. Additional topics are treated at a survey level only, containing numerous pointers to the relevant literature. A roadmap for future research, based on open issues and challenges identified along the way, rounds out the book. The book is divided into three main parts, sandwiched between introductory and concluding chapters. The first two chapters introduce readers to the basic concepts, provide an overview of entity-oriented search tasks, and present the various types and sources of data that will be used throughout the book. Part I deals with the core task of entity ranking: given a textual query, possibly enriched with additional elements or structural hints, return a ranked list of entities. This core task is examined in a number of different variants, using both structured and unstructured data collections, and numerous query formulations. In turn, Part II is devoted to the role of entities in bridging unstructured and structured data. Part III explores how entities can enable search engines to understand the concepts, meaning, and intent behind the query that the user enters into the search box, and how they can provide rich and focused responses (as opposed to merely a list of documents)—a process known as semantic search. The final chapter concludes the book by discussing the limitations of current approaches, and suggesting directions for future research. Researchers and graduate students are the primary target audience of this book. A general background in information retrieval is sufficient to follow the material, including an understanding of basic probability and statistics concepts as well as a basic knowledge of machine learning concepts and supervised learning algorithms.

The Second Text REtrieval Conference (TREC-D) Donna K. Harman 1994

Research and Advanced Technology for Digital Libraries - Birte Christensen-Dalsgaard 2008-09-08

We are delighted to present the proceedings of the 12th European Conference on Research and Advanced Technologies for

Digital Libraries (ECDL 2008), which took place September 14-19, 2008 in Aarhus, Denmark. The conference follows a tradition started in 1997 on bringing researchers and practitioners together from a strong interdisciplinary community with nothing in common, a research focus on knowledge infrastructure. Since the first conference in Pisa (1997) ECDL has been held in Heraklion (1998), Paris (1999), Lisbon (2000), Darmstadt (2001), Rome (2002), Trondheim (2003), Bath (2004), Vienna (2005), Alicante (2006) and Budapest (2007). In all, 98 papers and 27 posters/demos were submitted this year, which is fewer than past years; however, the general impression was that they were of very high quality. The submissions covered a wide range of topics and were submitted from many countries reflecting the standing and profile of this major European conference. All papers were subject to an in-depth peer-review process; three reviews per submission were produced by a Program Committee of 68 members from across the world. In total 38 paper submissions consisting of 28 full and 10 short papers were accepted at the Program Committee meeting for presentation at the conference and publication in the proceedings with Springer, resulting in an acceptance ratio of 38%. A total of 28 submissions which were originally either poster, demo or paper submissions were accepted for poster and demo presentation and publication in the proceedings volume.

Deep Natural Language Processing and AI Applications for Industry 5.0 - Tanwar, Poonam 2021-06-25

To sustain and stay at the top of the market and give absolute comfort to the consumers, industries are using different strategies and technologies. Natural language processing (NLP) is a technology widely penetrating the market, irrespective of the industry and domains. It is extensively applied in businesses today, and it is the buzzword in every engineer's life. NLP can be implemented in all those areas where artificial intelligence is applicable either by simplifying the communication process or by refining and analyzing information. Neural machine translation has improved the imitation of professional translations over the years. When applied in neural machine translation, NLP helps educate neural machine networks. This can be used by industries to translate low-impact content including emails, regulatory texts, etc. Such machine translation tools speed up communication with partners while enriching other business interactions. Deep Natural Language Processing and AI Applications for Industry 5.0 provides innovative research on the latest findings, ideas, and applications in fields of interest that fall under the scope of NLP including computational linguistics, deep NLP, web analysis, sentiments analysis for business, and industry perspective. This book covers a wide range of topics such as deep learning, deepfakes, text mining, blockchain technology, and more, making it a crucial text for anyone interested in NLP and artificial intelligence, including academicians, researchers, professionals, industry experts, business analysts, data scientists, data analysts, healthcare system designers, intelligent system designers, practitioners, and students.

Encyclopedia of Library and Information Science - Allen Kent 2000-09-21

This is the 68th volume (supplement 31) in a series which examines library and information science.

Computational Linguistics and Intelligent Text Processing - Alexander Gelbukh 2012-03-06

This two-volume set, consisting of LNCS 7181 and LNCS 7182, constitutes the thoroughly refereed proceedings of the 13th International Conference on Computer Linguistics and Intelligent Processing, held in New Delhi, India, in March 2012. The total of 92 full papers were carefully reviewed and selected for inclusion in the proceedings. The contents have been ordered according to the following topical sections: NLP system architecture; lexical resources; morphology and syntax; word sense disambiguation and named entity recognition; semantics and discourse; sentiment analysis, opinion mining, and emotions; natural language generation; machine translation and multilingualism; text categorization and clustering; information extraction and text mining; information retrieval and question answering; document summarization; and applications.

Information Computing and Applications - Chunfeng Liu 2012-09-07

This two-volume set of CCIS 307 and CCIS 308 constitutes the refereed proceedings of the Third International Conference on Information Computing and Applications, ICICA 2012, held in Chengde, China, in September 2012. The 330 revised full papers presented in both volumes were carefully reviewed and selected from 1089 submissions. The papers are organized in topical sections on internet computing and applications;

multimedia networking and computing; intelligent computing and applications; computational statistics and applications; knowledge management and applications; communication technology and applications; information management system; control engineering and applications; business intelligence and applications; cloud and evolutionary computing; computational genomics and proteomics; engineering management and applications.

Digital Libraries: People, Knowledge, and Technology -

International Conference on Asian Digital Libraries 2002-11-29

This book constitutes the refereed proceedings of the 5th International Conference on Asian Digital Libraries, ICADL 2002, held in Singapore in December 2002. The 34 revised full papers, 20 revised short papers, and 14 posters presented together with 7 invited papers were carefully reviewed and selected from a total of 170 submissions. The papers are organized in sections on information retrieval, multimedia digital libraries, data mining in digital libraries, special purpose digital libraries, digital library services, digital libraries for community building, information retrieval and Asian languages, building and using digital libraries, metadata issues, algorithms and protocols, human-computer interaction, and digital library infrastructure.

Health Data in the Information Society - György Surján 2002

MIE 2002 is the XVIIth international conference of the European Federation of Medical Informatics. Today, mankind builds up the information society, enabled by the underlying rapid development in computer technology. The significance of the spread of the internet is comparable to the significance of Gutenberg's invention. On one hand it both helps dissemination of data and knowledge and sharing of ideas. On the other hand the achievements may divide the society, as did non-literacy deprive many people from knowledge throughout centuries. Today millions of people are isolated from an incredibly large amount of information because of "computer non-literacy," and a new elite mastering the information society has appeared. However, the ease of production and dissemination of information may foster thoughtless communication, and has led to a flood of information and disinformation. We have to learn how to behave in this new situation, in which the dissemination of information - at an international level - is totally uncontrolled. In the area of medical or health informatics these questions are more serious. Lack of information, false or inadequate information, as well as improper interpretation of accurate information may seriously harm patients. And the process may go out of control of the physician, i.e. patients can "treat" themselves just by visiting some health sites on the net. Everybody may throw a message in a bottle in information flood, and everybody may pick up messages at any time. Can we do anything to ensure that all messages are valid? Can we guarantee that our messages reach the intended audience? Can we secure that content has not changed on its way? Do we know that people getting our messages will interpret them correctly? Are we able to understand the intention of a sender, when we get a message totally out of context? These questions build up the framework of MIE2002.

Search Engines - Bruce Croft 2011-11-21

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Search Engines: Information Retrieval in Practice is ideal for introductory information retrieval courses at the undergraduate and graduate level in computer science, information science and computer engineering departments. It is also a valuable tool for search engine and information retrieval professionals. Written by a leader in the field of information retrieval, Search Engines: Information Retrieval in Practice, is designed to give undergraduate students the understanding and tools they need to evaluate, compare and modify search engines. Coverage of the underlying IR and mathematical models reinforce key concepts. The book's numerous programming exercises make extensive use of Galago, a Java-based open source search engine.

Introduction to Information Retrieval - Christopher D. Manning 2008-07-07

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive

classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional

exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.