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Soggetti	Database management Information storage and retrieval Application software Algorithms Data structures (Computer science) Database Management Information Storage and Retrieval Information Systems Applications (incl. Internet) Algorithm Analysis and Problem Complexity Data Structures Data Storage Representation
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Session 1: IR Models – I -- Relevance Ranking Using Kernels -- Mining YouTube to Discover Extremist Videos, Users and Hidden Communities -- Title-Based Product Search – Exemplified in a Chinese E-commerce Portal -- Relevance Model Revisited: With Multiple Document Representations -- Session 2: Machine Learning for IR – I -- Multi-viewpoint Based Similarity Measure and Optimality Criteria for

Document Clustering -- A Text Classifier with Domain Adaptation for Sentiment Classification -- Session 3: User Studies and Evaluation -- Effective Time Ratio: A Measure for Web Search Engines with Document Snippets -- Investigating Characteristics of Non-click Behavior Using Query Logs -- Score Estimation, Incomplete Judgments, and Significance Testing in IR Evaluation -- Poster Session -- Multi-Search: A Meta-search Engine Based on Multiple Ontologies -- Co-HITS-Ranking Based Query-Focused Multi-document Summarization -- Advanced Training Set Construction for Retrieval in Historic Documents -- Ontology-Driven Semantic Digital Library -- Revisiting Rocchio's Relevance Feedback Algorithm for Probabilistic Models -- When Two Is Better Than One: A Study of Ranking Paradigms and Their Integrations for Subtopic Retrieval -- Connecting Qualitative and Quantitative Analysis of Web Search Process: Analysis Using Search Units -- Transliteration Retrieval Model for Cross Lingual Information Retrieval -- The Role of Lexical Ontology in Expanding the Semantic Textual Content of On-Line News Images -- Order Preserved Cost-Sensitive Listwise Approach in Learning to Rank -- Pseudo-Relevance Feedback Based on mRMR Criteria -- An Integrated Deterministic and Nondeterministic Inference Algorithm for Sequential Labeling -- FolkDiffusion: A Graph-Based Tag Suggestion Method for Folksonomies -- Effectively Leveraging Entropy and Relevance for Summarization -- Machine Learning Approaches for Modeling Spammer Behavior -- Research of Sentiment Block Identification for Customer Reviews Based on Conditional Random Fields -- Semantic Relation Extraction Based on Semi-supervised Learning -- Corpus-Based Arabic Stemming Using N-Grams -- Analysis and Algorithms for Stemming Inversion -- Top-Down and Bottom-Up: A Combined Approach to Slot Filling -- Relation Extraction between Related Concepts by Combining Wikipedia and Web Information for Japanese Language -- A Chinese Sentence Compression Method for Opinion Mining -- Relation Extraction in Vietnamese Text Using Conditional Random Fields -- A Sparse L₂-Regularized Support Vector Machines for Large-Scale Natural Language Learning -- An Empirical Comparative Study of Manual Rule-Based and Statistical Question Classifiers on Heterogeneous Unseen Data -- Constructing Blog Entry Classifiers Using Blog-Level Topic Labels -- Finding Hard Questions by Knowledge Gap Analysis in Question Answer Communities -- Exploring the Visual Annotatability of Query Concepts for Interactive Cross-Language Information Retrieval -- A Diary Study-Based Evaluation Framework for Mobile Information Retrieval -- Dynamics of Genre and Domain Intents -- Query Recommendation Considering Search Performance of Related Queries -- Session 4: NLP for IR -- I -- A Local Generative Model for Chinese Word Segmentation -- Re-ranking Summaries Based on Cross-Document Information Extraction -- A Two-Stage Algorithm for Domain Adaptation with Application to Sentiment Transfer Problems -- Domain-Specific Term Rankings Using Topic Models -- Learning Chinese Polarity Lexicons by Integration of Graph Models and Morphological Features -- Session 5: Machine Learning for IR -- II -- Learning to Rank with Supplementary Data -- Event Recognition from News Webpages through Latent Ingredients Extraction -- Tuning Machine-Learning Algorithms for Battery-Operated Portable Devices -- Session 6: IR Models -- II -- A Unified Iterative Optimization Algorithm for Query Model and Ranking Refinement -- A Study of Document Weight Smoothness in Pseudo Relevance Feedback -- Modeling Variable Dependencies between Characters in Chinese Information Retrieval -- Session 7: Web and QA -- Mining Parallel Documents across Web Sites -- A Revised SimRank Approach for Query Expansion -- Improving Web-Based OOV

Translation Mining for Query Translation -- On a Combination of Probabilistic and Boolean IR Models for Question Answering -- Session 8: Multimedia -- Emotion Tag Based Music Retrieval Algorithm -- An Aesthetic-Based Approach to Re-ranking Web Images.

Sommario/riassunto

The Asia Information Retrieval Societies Conference (AIRS) 2010 was the sixth conference in the AIRS series, aiming to bring together international researchers and developers to exchange new ideas and the latest results in information retrieval. The scope of the conference encompassed the theory and practice of all aspects of information retrieval in text, audio, image, video, and multimedia data. AIRS 2010 continued the conference series that grew from the Information Retrieval with Asian Languages (IRAL) workshop series, started in 1996. It has become a mature venue for information retrieval work, finding support from the ACM Special Interest Group on Information Retrieval (SIGIR); the Association for Computational Linguistics and Chinese Language Processing (ACLCLP); ROCLING; and the Information Processing Society of Japan, Special Interest Group on Information Fundamentals and Access Technologies (IPSJSIG-IFAT). This year saw a sharp rise in the number of submissions over the previous year. A total of 120 papers were submitted, representing work by academics and practitioners not only from Asia, but also from Australia, Europe, North America, etc. The high quality of the work made it difficult for the dedicated program committee to decide which papers to feature at the conference. Through a double-blind reviewing process, 26 submissions (21%) were accepted as full oral papers and 31 (25%) were accepted as short posters. The success of this conference was only possible with the support of all of the authors who submitted papers for review, the program committee members who constructively assessed the submissions, and the registered conference delegates. We thank them for their support of this conference, and for their long-term support of this Asian-centric venue for IR research and development.
