

1. Record Nr.	UNINA9910482999803321
Titolo	Advances in Information Retrieval : 37th European Conference on IR Research, ECIR 2015, Vienna, Austria, March 29 - April 2, 2015. Proceedings // edited by Allan Hanbury, Gabriella Kazai, Andreas Rauber, Norbert Fuhr
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-16354-X
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (XXXII, 852 p. 177 illus.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI, , 2946-1642 ; ; 9022
Disciplina	025.04
Soggetti	Information storage and retrieval systems Database management Data mining Multimedia systems Application software User interfaces (Computer systems) Human-computer interaction Information Storage and Retrieval Database Management Data Mining and Knowledge Discovery Multimedia Information Systems Computer and Information Systems Applications User Interfaces and Human Computer Interaction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Keynotes -- Still Haven't Found What I'm Looking For: Suggestions for Search Research -- Mining and Modeling Online Health Search -- What to do if you know everything? Studying human behavior in a virtual world -- Aggregated Search and Diversity -- Towards Query Level Resource Weighting For Diversified Query Expansion -- Exploring Composite Retrieval from the Users' Perspective -- Improving

Aggregated Search Coherence -- On-topic Cover Stories from News Archives -- Classification -- Multi-Emotion Detection in User-Generated Reviews -- Classification of historical notary acts with noisy labels -- ConceptFusion: A Flexible Scene Classification Framework -- An Audio-Visual Approach to Music Genre Classification through Affective Color Features -- Cross-Lingual and Discourse -- Multi-Modal Correlated Centroid Space for Multi-Lingual Cross-Modal Retrieval -- A Discourse Search Engine based on Rhetorical Structure Theory -- Knowledge-based Representation for Transductive Multilingual Document Classification -- Distributional Correspondence Indexing for Cross-Language Text Categorization -- Efficiency Adaptive Caching of Fresh Web Search Results -- Approximating Weighted Hamming Distance by Probabilistic Selection for Multiple Hash Table -- Graph Regularised Hashing -- Approximate Nearest-Neighbour Search with Inverted Signature Slice Lists -- Evaluation -- A Discriminative Approach to Predicting Assessor Accuracy -- WHOSE A Tool for Whole-Session Analysis in IIR -- Looking for Books in Social Media: An Analysis of Complex Search Requests -- How do Gain and Discount Functions Affect the Correlation between DCG and User Satisfaction? -- Different Rankers on Different Subcollections -- Retrieval Bias: A Comparison of Inequality Measures -- Judging Relevance Using Magnitude Estimation -- Event Mining and Summarisation -- Retrieving Time from Scanned Books -- A Noise-Filtering Approach for Spatio-Temporal Event Detection in Social Media -- Timeline Summarization from Relevant Headlines -- Information Extraction -- A Self-Training CRF Method for Recognizing Product Model Mentions in Web Forums -- Information Extraction Grammars -- Target-based Topic Model for Problem Phrase Extraction -- On Identifying Phrases Using Collection Statistics -- MIST: Top-k Approximate Sub-String Mining using Triplet Statistical Significance -- Recommender Systems -- Active Learning applied to Rating Elicitation for Incentive Purposes -- Entity-Centric Stream Filtering and ranking: Filtering and Unfilterable Documents -- Generating Music Playlists with Hierarchical Clustering and Q-Learning -- Time-sensitive Collaborative Filtering through Adaptive Matrix Completion -- Toward the New Item Problem: Context-enhanced Event Recommendation in Event-based Social Networks -- On the Infence of User Characteristics on Music Recommendation Algorithms -- A Study of Smoothing Methods for Relevance-Based Language Modelling of Recommender Systems -- The Power of Contextual Suggestion -- Semantic and Graph-Based Models -- Exploiting Semantic Annotations for Domain-Specific Entity Search -- Reachability Analysis of Graph Modelled Collections -- Main Core Retention on Graph-of-words for Single-Document Keyword Extraction -- Entity Linking for Web Search Queries -- Sentiment and Opinion -- Beyond Sentiment Analysis: Mining Defects and Improvements from Customer Feedback -- Measuring User Infuence, Susceptibility and Cynicalness in Sentiment Diffusion -- Automated Controversy Detection on the Web -- Learning Sentiment Based Ranked-Lexicons for Opinion Retrieval -- Topic-dependent sentiment classification on Twitter -- Learning Higher-Level Features with Convolutional Restricted Boltzmann Machines for Sentiment Analysis -- Social Media -- Towards Deep Semantic Analysis of Hashtags -- Chalk and Cheese in Twitter: Discriminating Personal and Organization Accounts -- Handling Topic Drift for Topic Tracking in Microblogs -- Detecting Location-centric Communities using Social-Spatial Links with Temporal Constraints -- Using Subjectivity Analysis to Improve Thread Retrieval in Online Forums -- Selecting Training Data for Learning-based Twitter Search -- Content-Based Similarity of Twitter Users -- Specific Search Tasks -- A Corpus of Realistic Known-

Item Topics With Associated Web Pages in the ClueWeb09 -- Designing States, Actions, and Rewards for Using POMDP in Session Search -- Retrieving Medical Literature for Clinical Decision Support -- PatNet: A lexical database for the patent domain -- Learning to Rank Aggregated Answers for Crossword Puzzles -- Diagnose This If You Can: On the effectiveness of search engines in Finding medical self-diagnosis information -- Sources of Evidence for Automatic Indexing of Political Texts -- Automatically Assessing Wikipedia Article Quality by Exploiting Article-Editor Networks -- Temporal Models and Features -- Long time, no tweets! Time-aware personalised hashtag suggestion -- Temporal Multinomial Mixture for Instance-oriented Evolutionary Clustering -- Temporal Latent Topic User Profiles for Search Personalisation -- Document Priors Based On Time-Sensitive Social Signals -- Topic and Document Models -- Prediction of Venues in Foursquare using Flipped Topic Models -- Geographical Latent Variable Models for Microblog Retrieval -- Nonparametric Topic Modeling using Chinese Restaurant Franchise with Buddy Customers -- A Hierarchical Tree Model for Update Summarization -- Document Boltzmann Machines for Information Retrieval -- Effective Healthcare Advertising using Latent Dirichlet Allocation and Inference Engine -- User Behavior -- User simulations for interactive search: evaluating personalized query Suggestion -- The Impact of Query Interface Design on Stress, Workload and Performance -- Detecting Spam URLs in Social Media via Behavioral Analysis.-Predicting Re-Finding Activity and Difficulty -- User Behavior in Location Search on Mobile Devices -- Detecting the Eureka Effect in Complex Search -- Reproducible IR -- Twitter Sentiment Detection via Ensemble Classification Using -- Averaged Confidence Scores -- Reproducible Experiments on Lexical and Temporal Feedback for Tweet Search -- Rank-Biased Precision Reloaded: Reproducibility and Generalization -- Demonstrations -- Knowledge Journey Exhibit: Towards Age-Adaptive Search User Interfaces -- PopMeter: Linked-Entities in a Sentiment Graph -- Adaptive Faceted Ranking for Social Media Comments -- Signal: Advanced real-time information Filtering -- The iCrawl Wizard Supporting Interactive Focused Crawl Specification -- Linguistically-enhanced search over an open diachronic corpus -- From Context-Aware to Context-Based: Mobile Just-In-Time Retrieval of Cultural Heritage Objects -- Tutorials -- Visual Analytics for Information Retrieval Evaluation (VAIR•E 2015) -- Measuring Document Retrievability -- A Formal Approach to Effectiveness Metrics for Information Access: Retrieval, Filtering, and Clustering -- Statistical Power Analysis for Sample Size Estimation in Information Retrieval Experiments with Users -- Join the Living Lab: Evaluating News Recommendations in Real-time -- Workshops -- 5th Workshop on Context-awareness in Retrieval and Recommendation (CaRR 2015) -- Multimodal Similar Case Retrieval in the Medical Domain -- Second International Workshop on Gamification for Information -- Retrieval (GamifIR) -- Supporting Complex Search Tasks -- Bibliometric-enhanced Information Retrieval: 2nd International BIR Workshop.

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### Sommario/riassunto

This book constitutes the proceedings of the 37th European Conference on IR Research, ECIR 2015, held in Vienna, Austria, in March/April 2015. The 44 full papers, 41 poster papers and 7 demonstrations presented together with 3 keynotes in this volume were carefully reviewed and selected from 305 submissions. The focus of the papers were on following topics: aggregated search and diversity, classification, cross-lingual and discourse, efficiency, evaluation, event mining and summarisation, information extraction, recommender systems, semantic and graph-based models, sentiment and opinion,

social media, specific search tasks, temporal models and features, topic and document models, user behavior, and reproducible IR.

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