The Thirty-Seventh
Annual International ACM SIGIR Conference on
Research and Development in Information Retrieval

6th - 11th July 2014
Gold Coast, Australia

Program Booklet

Table of Contents

The prayer room is located in Room 1

SIGIR 2014 Conference Organization

General Chairs
Shlomo Geva, Andrew Trotman

Treasurer
Alistair Moffat

Program Chairs
Peter Bruza, Charles L. A. Clarke, Kal Järvelin

Short Paper Chairs
Vanessa Murdock, Gabriella Pasi, Andrew Turpin

Demo Chair
Paul Thomas

Tutorials Chair
Falk Scholer

Workshops Chairs
Jaap Kamps, Gabriella Kazai

Doctoral Consortium Chairs
J. Shane Culpepper, Grace Hui Yang

SIRIP (Industry Day) Chairs
David Hawking, Isabelle Moulinier

Best Paper Chair
Mounia Lalmas

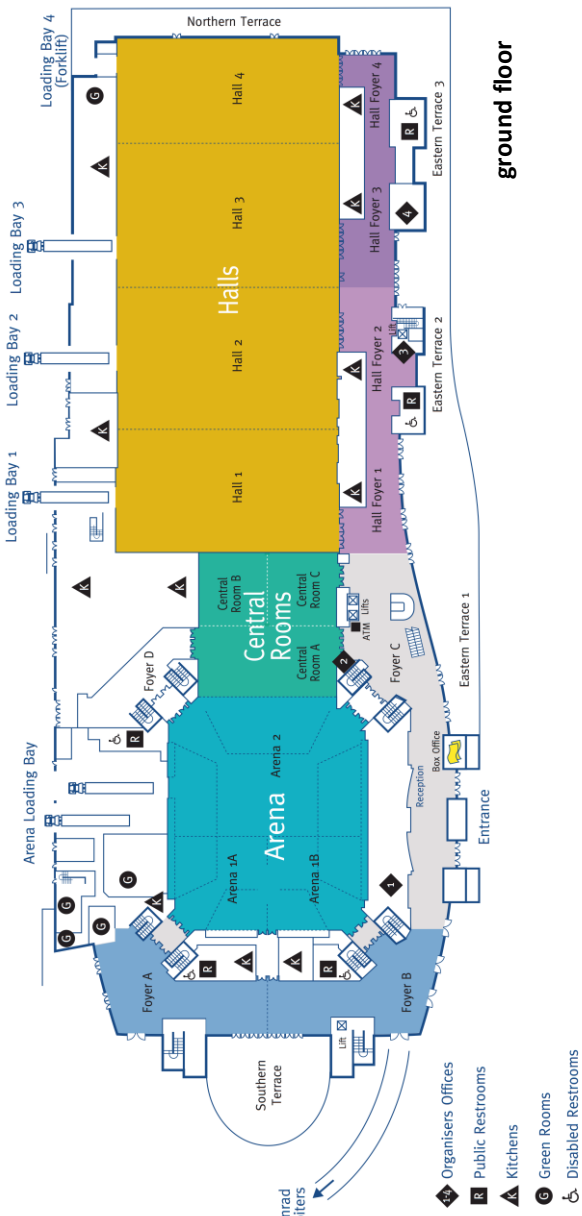
Sponsorship Chair
Jimmy Huang

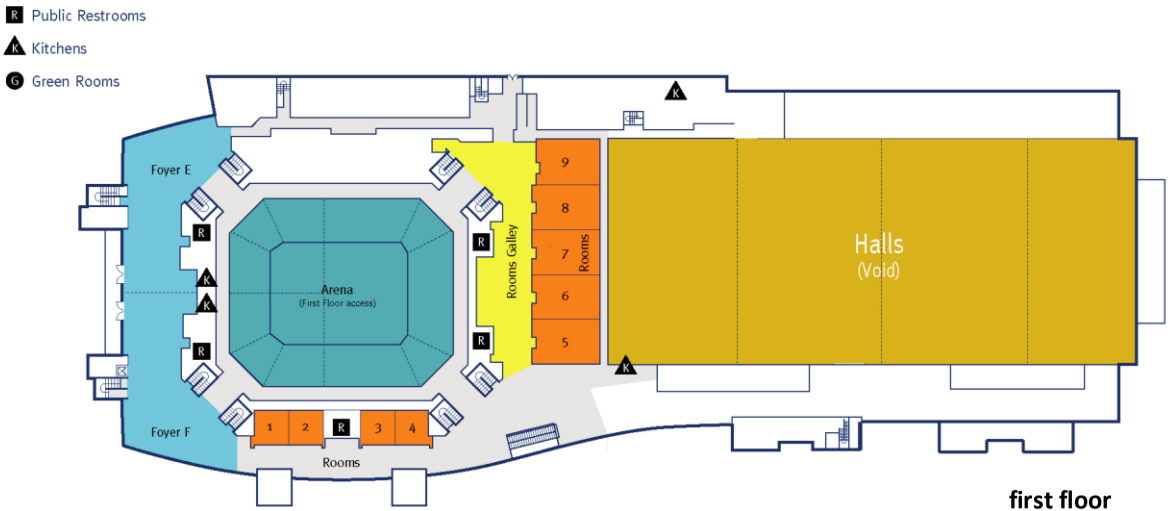
Publications Chair
Laurianne Sitbon

Local Arrangements
Laurianne Sitbon

Publicity/Webmaster
Richi Nayak, Guido Zuccon

Conference Center Layout




R Public Restrooms
K Kitchens
G Green Rooms
Foyer E
Foyer F
Arena
(First Floor access)
Rooms Galley
Rooms
9
8
7
6
5
1
2
3
4
Rooms
Halls
(Void)

first floor

Sponsors

Association for
Computing Machinery

Platinum Supporter

Baidu was founded in 2000 by Internet pioneer Robin Li, creator of visionary search technology Hyperlink Analysis, with the mission of providing the best way for people to find what they’re looking for. Our deep understanding of Chinese language and culture is central to our success and this kind of knowledge allows us to tailor our search technology for our users’ needs.

Gold Supporters

The mission of research at Google is to deliver cutting-edge innovation that improves Google products and enriches the lives of all who use them. We publish innovation through industry standards, and our researchers are often helping to define not just today's products but also tomorrow's. For more information, visit research.google.com.

Founded in 1991, Microsoft Research is dedicated to conducting both basic and applied research in computer science and software engineering. More than 1,100 brilliant scientists and engineers focus on more than 55 areas of computing and openly collaborate with leading academic, governmental, and industrial researchers to advance the state of the art of computing, help fuel the long-term growth of Microsoft and its products, and solve some of the world's toughest problems through technological innovation.

Tourism and Events Queensland (TEQ) is the Queensland Government's lead marketing, experience development and major events agency, representing the state's tourism and events industries.

TEQ operates on a national and international level, looking at new and innovative ways to make the most out of emerging opportunities which benefit the Queensland's tourism industry and economy.

Silver Supporters

In 2013, eBay Inc. enabled $212 billion of commerce worldwide. Over the next two years, we expect to grow that to $300 billion. eBay Search Science plays a pivotal role in enabling our business achievements through groundbreaking search technology and cutting edge research. With over 128 million active users and 400 million active listings, spanning across 25 countries, our treasure trove of data can unlock the secrets of commerce online and offline.

Huawei Technologies Co. Ltd. (pronounced as "hwa-way") is the largest telecommunications equipment company in the world, headquartered in Shenzhen, China. Noah's Ark Lab is a research lab of Huawei conducting research and development on data mining, machine learning, natural language processing, information retrieval, and artificial intelligence. The lab was established in 2012 and has offices in Hong Kong, Shenzhen, and Beijing.

Seznam.cz, who prevents Google from monopolizing the local market, combines a media house and a technological company with its own full-text search, map service, news service or on-line television with its original shows. Seznam.cz offers much more and many Czechs see Seznam.cz as a gateway to the Internet.

All services Seznam.cz offers are free for users. As Seznam.cz funds itself from revenues derived from advertising, all its services include effective advertising tools (display, PPC, etc.).

Bronze Supporters

“Alibaba Group is a privately owned Hangzhou-based group of Internet-based e-commerce businesses including business-to-business online web portals, online retail and payment services, a shopping search engine and data-centric cloud computing services.” Wikipedia article “Alibaba Group”, visited 30 June 2014.

Founded in 2004, Facebook’s mission is to give people the power to share and make the world more open and connected. People use Facebook to stay connected with friends and family, to discover what’s going on in the world, and to share and express what matters to them.

IBM Research is a global community of forward-thinkers working towards a common goal: progress. The World is Our Laboratory. No matter where discovery takes place, IBM researchers push the boundaries of science, technology and business to make the world work better.

Pivotal, committed to open source and open standards, recently introduced Pivotal One, the world's first comprehensive multi-cloud Enterprise PaaS. The company is also a leading provider of application and data infrastructure software, agile development services, and data science consulting. Follow Pivotal on Twitter @gopivotal, LinkedIn, and G+.

Yahoo Labs serves as Yahoo's most forward-looking thinkers, providing deep technical expertise on critical scientific and technical topics. Yahoo Labs is the company's incubator for bold scientific experimentation. Our innovative science powers Yahoo's products, making your daily habits more personal and delightful with each experience.

Yandex is one of the largest internet companies in Europe, operating Russia's most popular search engine and most visited website, generating nearly 70% of all search traffic in Russia. Yandex also operates in Ukraine, Kazakhstan, Belarus and Turkey realizing its mission to help people solve their problems.

Bronze Academic Supporters

The Electrical Engineering and Computer Science School at QUT is a leader in the fields of electrical engineering and computer science. QUT is ranked in the top ten Australian Universities and the university's research agenda is committed to undertake high impact research in selected areas related to science, technology, engineering and mathematics. With the ongoing development of unique facilities including the new Science and Engineering Centre, QUT's research infrastructure is first rate.

The School of Computer Science and Information Technology at RMIT is one of the leading centres for computer science research in Australia: in 2012 it was placed in the top six in the country for its research in information retrieval, string search, and data management.

The school has in the last three years appointed several internationally renowned academics to further bolster its research strengths, and is home to an ACM Fellow and two IEEE Fellows.

Established in 1853, the University of Melbourne is a public-spirited institution that makes distinctive contributions to society in research, learning and teaching, and engagement. It is consistently ranked among the leading universities in the world, with international rankings of world universities placing it as number 1 in Australia and number 34 in the world (Times Higher Education World University Rankings 2013-2014).

The University of Otago (Māori: 'Te Whare Wānanga o Otāgo') in Dunedin is New Zealand's oldest university. The university has New Zealand's highest average research quality and is second only to the University of Auckland in the number of A rated academic researchers it employs. Founded in 1869, the university opened in 1871. Its motto is "Sapere aude" ("Dare to be wise"). The Otago University Students' Association answers this with its own motto, "Audeamus" ("let us dare").

Additional Supporters

Now publishers publishes high quality reference, research and review journals in business and technology. Foundations and Trends journals publish state-of-the-art review articles written by leading researchers in their fields with the references linked to the original articles. Foundations and Trends in Information Retrieval is now considered one of the most reliable sources for authoritative surveys and reviews of established and emerging research topics in IR.

Morgan & Claypool publishes the Synthesis digital library for engineering and computer science researchers, including the Synthesis Lectures on Information Concepts, Retrieval, and Services, edited by Gary Marchionini of the University of North Carolina, Chapel Hill.

Doctoral Consortium
Sunday 6th July, 9:00-5:30
Location: Room 5

- **Improving Offline and Online Web Search Evaluation by Modelling the User Behaviour**
  Eugene Kharitonov (Yandex & University of Glasgow, Russia)
- **Cluster Links Prediction for Literature Based Discovery Using Latent Structure and Semantic Features**
  Yakub Sebastian (Monash University Malaysia)
- **Graph-Based Large Scale RDF Data Compression**
  Wei Zhang (The University of Adelaide)
- **Entity-Based Retrieval**
  Hadas Raviv (Technion – Israel Institute of Technology)
- **Modelling of Terms Across Scripts through Autoencoders**
  Parth Gupta (Universitat Politècnica de València)
- **A Tag-Based Personalized Item Recommendation System using Tensor Modeling and Topic Model Approaches**
  Noor Ifada (Queensland University of Technology)
- **Novelty and Diversity Enhancement and Evaluation in Recommender Systems and Information Retrieval**
  Saúl Vargas (Universidad Autónoma de Madrid)
- **Enrichment of User Profiles across Multiple Online Social Networks for Volunteerism Matching for Social Enterprise**
  Xuemeng Song (National University of Singapore)

Morning Tutorials
Monday 7th July, 9:00-12:45

- **Axiomatic Analysis and Optimization of Information Retrieval Models**
  Hui Fang, ChengXiang Zhai
  Location: Room 2
- **Speech Search: Techniques and Tools for Spoken Content Retrieval**
  Gareth Jones
  Location: Room 3
- **Scalability and Efficiency Challenges in Large-Scale Web Search Engines**
  Barla Cambazoglu, Ricardo Baeza-Yates
  Location: Room 4
- **Choices and Constraints (Part 1): Experimental Approaches to Information Retrieval**
  Diane Kelly, Filip Radlinski, Jaime Teevan
  Location: Room 5
- **Statistical Significance Testing in Information Retrieval: Theory and Practice**
  Ben Carterette
  Location: Room 6

Afternoon Tutorials
Monday 7th July, 1:45-5:30

- **The Retrievability of Documents**
  Leif Azzopardi
  Location: Room 3
- **A General Account of Effectiveness Metrics for Information Tasks: Retrieval, Filtering, and Clustering**
  Enrique Amigó, Julio Gonzalo, Stefano Mizzaro
  Location: Room 4
- **Choices and Constraints (Part 2): Observational Approaches to Information Retrieval**
  Diane Kelly, Filip Radlinski, Jaime Teevan
  Location: Room 5
- **Dynamic Information Retrieval Modeling**
  Hui Yang, Marc Sloan, Jun Wang
  Location: Room 6

Queensland University of Technology
Brisbane Australia

SIRIP
Monday 7th July, 9:00-5:30
Location: Room 7

Session 1 (9:00-10:45)

- **Welcome to SIRIP**
- **OK Glass…Google…Why Do I Need Your Search?**
  Bob Schukai (Thomson Reuters)
- **Chinese Search Engine - Baidu's Practice**
  Haifeng Wang (Baidu)

Session 2 (11:15-12:45)

- **Computer Says No**
  Maria Milosavljevic (Australian Crime Commission)
- **Describe, Discover and Deliver – Challenges in Making Content Available in the Digital Age**
  Kate Curr (State Library of NSW)
- **This Ain't Your Father's Search Engine**
  Grant Ingersoll (LucidWorks)

Session 3 (2:00-3:30)

- **The Evolution of WTF: Follower Recommendation Services at Twitter**
  Jimmy Lin (University of Maryland)
- **Web-Scale Semantic Ranking**
  Jing Bai, Jan Pedersen, Mao Yang (Bing, Microsoft)
- **A Visual Analytics Approach to Summarizing Tweets**
  *Ramik Sadana, Bongwon Suh, Eunyee Koh. (Georgia Tech, Seoul National Uni, Adobe***)**
- **Product Name Recognition and Normalization in Internet Forums**
  Yangjie Yao and Aixin Sun (Nanyang Tech Uni, Singapore)
- **On the Interaction between Query Language and Query Domain in Cross-Lingual Web Search**
  Ahmed Tawfik, Ahmed Kamel (Microsoft Egypt)

Session 4 (4:00-5:35)

- **Bing Dialog — Toward Richer Interactions with Web Search**
  Kuansan Wang, Microsoft Research
- **Panel: Billionaire or Bust? Commercializing IR Research**
  Moderated by Stuart Beil
- **Closing remarks**

SIGIR 2014
Plenary 1
Tuesday 8th July, 8:30-10:00

Plenary (Arena 1)

- **ACM-W Athena Award Lecture:**
  Putting Searchers into Search
  Susan Dumais (Microsoft Research)

Abstract

Over the last two decades the information retrieval landscape has changed dramatically. Twenty years ago, there were fewer than 3k web sites and the earliest web search engines indexed approximately 50k pages. Today, search engines index billions of web pages, images, videos, news, music, social media, books, etc., and have become the main entry point for a wide range of information, services, communications and entertainment. Despite these tremendous accomplishments, we still have a long way to go. Many searches are unsuccessful, and even those that succeed are often harder than they should be. To address these challenges we need to extend our evaluation methods to handle the diversity of searchers, tasks, and interactivity that characterize information systems today. I will discuss recent work on user modeling and temporal dynamics of information systems to illustrate the power of utilizing converging lines of evidence from laboratory, panel, and large-scale log techniques to understand and support searchers.

Biography

Susan Dumais is a Distinguished Scientist at Microsoft and Deputy Managing Director of the Microsoft Research Lab in Redmond. Prior to joining Microsoft Research, she was at Bell Labs and Bellcore, where she worked on Latent Semantic Analysis, techniques for combining search and navigation, and organizational impacts of new technology. Her current research focuses on user modeling and personalization, context and search, and temporal dynamics of information. She has worked closely with several Microsoft groups (Bing, Windows Desktop Search, SharePoint, and Office Online Help) on search-related innovations. Susan has published widely in the fields of information science, human-computer interaction and cognitive science, and holds several patents on novel retrieval algorithms and interfaces. Susan is also an adjunct professor in the Information School at the University of Washington. She is Past-Chair of ACM's Special Interest Group in Information Retrieval (SIGIR), and serves on several editorial boards, technical program committees, and government panels. She was elected to the CHI Academy in 2005, an ACM Fellow in 2006, received the SIGIR Gerard Salton Award for Lifetime Achievement in 2009, and was elected to the National Academy of Engineering (NAE) in 2011.

SIGIR 2014
Session 1
Tuesday 8th July, 10:30-11:45

Risks and Rewards (Room 5)

Chair: Diane Kelly

- **Modelling Interaction with Economic Models of Search**
  Leif Azzopardi
- **Query-Performance Prediction: Setting the Expectations Straight**
  Fiana Raiber, Oren Kurland
- **Hypothesis Testing for the Risk-Sensitive Evaluation of Retrieval Systems**
  Taner Dinçer, Craig Macdonald, Iadh Ounis

#microblog #sigir2014 (Room 6)

Chair: Hang Li

- **Temporal Feedback for Tweet Search with Non-Parametric Density Estimation**
  Miles Efron, Jimmy Lin, Jiyin He, Arjen de Vries
- **Fine-Grained Location Extraction from Tweets with Temporal Awareness**
  Chenliang Li, Aixin Sun
- **Collaborative Personalized Twitter Search with Topic-Language Models**
  Jan Vosecky, Kenneth Leung, Wilfred Ng

Recommendation (Room 7)

Chair: Jamie Callan

- **Gaussian Process Factorization Machines for Context-Aware Recommendations**
  Trung Nguyen, Alexandros Karatzoglou, Linas Baltrunas
- **Addressing Cold Start in Recommender Systems: A Semi-Supervised Co-Training Algorithm**
  Mi Zhang, Jie Tang, Xuchen Zhang, Xiangyang Xue
- **Explicit Factor Models for Explainable Recommendation based on Phrase-Level Sentiment Analysis**
  Yongfeng Zhang, Guokun Lai, Min Zhang, Yi Zhang, Yiqun Liu, Shaoping Ma

SIGIR 2014
Session 2
Tuesday 8th July, 1:15-2:55

(I Can't Get No) Satisfaction (Room 5)

Chair: Justin Zobel

- **Context-Aware Web Search Abandonment Prediction**
  Yang Song, Xiaolin Shi, Ryen White, Ahmed Hassan Awadallah
- **Impact of Response Latency on User Behavior in Web Search**
  Ioannis Arapakis, Xiao Bai, Barla Cambazoglu
- **Towards Better Measurement of Attention and Satisfaction in Mobile Search**
  Dmitry Lagun, Chih-Hung Hsieh, Dale Webster, Vidhya Navalpakkam
- **Modeling Action-Level Satisfaction for Search Task Satisfaction Prediction**
  Hongning Wang, Yang Song, Ming-Wei Chang, Xiaodong He, Ahmed Hassan, Ryen White

Doctors and Lawyers (Room 6)

Chair: Leif Azzopardi

- **Circumlocution in Diagnostic Medical Queries**
  Isabelle Stanton, Samuel Ieong, Nina Mishra
- **Interactions between Health Searchers and Search Engines**
  Georg Schoenherr, Ryen White
- **Evaluation of Machine-Learning Protocols for Technology-Assisted Review in Electronic Discovery**
  Gordon Cormack, Maura Grossman
- **ReQ-ReC: High Recall Retrieval with Query Pooling and Interactive Classification**
  Cheng Li, Yue Wang, Paul Resnick, Qiaozhu Mei

Hashing and Efficiency (Room 7)

Chair: Dawei Song

- **Supervised Hashing with Latent Factor Models**
  Peichao Zhang, Wei Zhang, Wu-Jun Li, Minyi Guo
- **Preference Preserving Hashing for Efficient Recommendation**
  Zhiwei Zhang, Qifan Wang, Lingyun Ruan, Luo Si
- **Load Balancing for Partition-Based Similarity Search**
  Xun Tang, Maha Alabduljalil, Xin Jin, Tao Yang
- **Estimating Global Statistics for Unstructured P2P Search in the Presence of Adversarial Peers**
  Sami Richardson, Ingemar Cox

SIGIR 2014
Session 3
Tuesday 8th July, 3:25-5:05

Social Media (Room 5)

Chair: Hui Fang

- **Hierarchical Multi-Label Classification of Social Text Streams**
  Zhaochun Ren, Maria-Hendrike Peetz, Shangsong Liang, Willemijn van Dolen, Maarten de Rijke
- **An Adaptive Teleportation Random Walk Model for Learning Social Tag Relevance**
  Xiaofei Zhu, Wolfgang Nejdl, Mihai Georgescu
- **Predicting the Popularity of Web 2.0 Items Based on User Comments**
  Xiangnan He, Ming Gao, Min-Yen Kan, Yiqun Liu, Kazunari Sugiyama
- **Recommending Social Media Content to Community Owners**
  Inbal Ronen, Ido Guy, Elad Kravi, Maya Barnea

Indexing and Efficiency (Room 6)

Chair: Alistair Moffat

- **Predictive Parallelization: Taming Tail Latencies in Web Search**
  Myeongjae Jeon, Saehoon Kim, Seung-won Hwang, Yuxiong He, Sameh Elnikety, Alan Cox, Scott Rixner
- **Skewed Partial Bitvectors for List Intersection**
  Andrew Kane, Frank Tompa
- **Partitioned Elias-Fano Indexes**
  Giuseppe Ottaviano, Rossano Venturini
- **Principled Dictionary Pruning for Low-Memory Corpus Compression**
  Jiancong Tong, Anthony Wirth, Justin Zobel

E Pluribus Unum (Room 7)

Chair: Bruce Croft

- **Learning for Search Result Diversification**
  Yadong Zhu, Yanyan Lan, Jiafeng Guo, Xueqi Cheng, Shuzi Niu
- **Fusion Helps Diversification**
  Shangsong Liang, Zhaochun Ren, Maarten de Rijke
- **Utilizing Relevance Feedback in Fusion-Based Retrieval**
  Ella Rabinovich, Oren Kurland
- **A Simple Term Frequency Transformation Model for Effective Pseudo Relevance Feedback**
  Zheng Ye, Jimmy Huang

SIGIR 2014
Plenary 2
Wednesday 9th July, 9:00-10:00

Plenary (Arena 1)

- **Seeking Simplicity in Search User Interfaces**
  Marti Hearst (University of California, Berkeley)

Abstract

It is rare for a new user interface to break through and become successful, especially in information-intensive tasks like search, coming to consensus or building up knowledge. Most complex interfaces end up going unused. Often the successful solution lies in a previously unexplored part of the interface design space that is simple in a new way that works just right.

In this talk I will give examples of such successes in the information-intensive interface design space, and attempt to provide stimulating ideas for future research directions.

Biography

Dr. Marti Hearst is a professor in the School of Information at UC Berkeley, with an affiliate appointment in the Computer Science Division. Her primary research interests are user interfaces for search engines, information visualization, natural language processing and, more recently, improving MOOCs. She was recently named a Fellow of the ACM, and has won two departmental Excellence in Teaching Awards. She is also known for the book Search User Interfaces and for the Flamenco project which advanced faceted navigation as a standard search technique, for lexico-syntactic patterns for ontology discovery ("Hearst patterns"), the TextTiling discourse segmentation technique, and the TileBars query term visualization technique.

She received her BA, MS, and PhD degrees in Computer Science from the University of California at Berkeley, and she was a Member of the Research Staff at Xerox PARC from 1994 to 1997. Prof. Hearst has served on the Advisory Council of NSF's CISE Directorate and is on the Web Board for CACM, is a member of the Usage Panel for the American Heritage Dictionary and is on the Edge.org panel of experts. Prof. Hearst is on the editorial board of ACM Transactions on Computer-Human Interaction and was formerly on the boards of ACM Transactions on the Web, Computational Linguistics, ACM Transactions on Information Systems, and IEEE Intelligent Systems. Prof. Hearst has received an NSF CAREER award, an IBM Faculty Award, a Google Research Award, and an Okawa Foundation Research Grant.

SIGIR 2014
Session 4
Wednesday 9th July, 10:30-11:45

Think Globally, Act Locally (Room 5)

Chair: Matt Lease

- **Who is the Barbecue King of Texas?: A Geo-Spatial Approach to Finding Local Experts on Twitter**
  Zhiyuan Cheng, James Caverlee, Himanshu Barthwal, Vandana Bachani
- **Your Neighbors Affect Your Ratings: On Geographical Neighborhood Influence to Rating Prediction**
  Longke Hu, Aixin Sun, Yong Liu
- **Processing Spatial Keyword Query as a Top-k Aggregation Query**
  Dongxiang Zhang, Chee-Yong Chan, Kian-Lee Tan

Scientia Potentia Est (Room 6)

Chair: Isabelle Moulinier

- **Entity Query Feature Expansion using Knowledge Base Links**
  Jeffrey Dalton, Laura Dietz, James Allan
- **QUADS: Question Answering for Decision Support**
  Zi Yang, Ying Li, James Cai, Eric Nyberg
- **Topic Labeled Text Classification: A Weakly Supervised Approach**
  Swapnil Hingmire, Sutanu Chakraborti

More Hashing (Room 7)

Chair: Mark Sanderson

- **Discriminative Coupled Dictionary Hashing for Fast Cross-Media Retrieval**
  Zhou Yu, Fei Wu, Yi Yang, Qi Tian, Jiebo Luo, Yueting Zhuang
- **Active Hashing with Joint Data Example and Tag Selection**
  Qifan Wang, Luo Si, Zhiwei Zhang, Ning Zhang
- **Latent Semantic Sparse Hashing for Cross-Modal Similarity Search**
  Jile Zhou, Guiguang Ding, Yuchen Guo

SIGIR 2014
Poster and Demo Session
Wednesday 9th July, 11:45-3:25

Posters and Demos (Location: Foyers E & F)

The *demonstration* program is on page 36
The *poster* program is on page 38

You are in a maze of twisty little passages, all alike

SIGIR 2014
Session 5
Wednesday 9th July, 3:25-5:05

Brains!!! (Room 5)

Chair: Mark Smucker

- **Predicting Term-Relevance from Brain Signals**
  Manuel Eugster, Tuukka Ruotsalo, Michiel Spapé, Ilkka Kosunen, Oswald Barral, Niklas Ravaja, Giulio Jacucci, Samuel Kaski
- **Multidimensional Relevance Modeling via Psychometrics and Crowdsourcing**
  Yinglong Zhang, Jin Zhang, Matthew Lease, Jacek Gwizdka

(a) Auto-completio (Room 6)
(b) How to Win Friends and Influence People

Chair: Jimmy Lin

- **Learning User Reformulation Behavior for Query Auto-Completion**
  Jyun-Yu Jiang, Yen-Yu Ke, Pao-Yu Chien, Pu-Jen Cheng
- **A Two-Dimensional Click Model for Query Auto-Completion**
  Yanen Li, Anlei Dong, Hongning Wang, Hongbo Deng, Yi Chang, ChengXiang Zhai
- **On Measuring Social Friend Interest Similarities in Recommender Systems**
  Hao Ma
- **IMRank: Influence Maximization via Finding Self-Consistent Ranking**
  Suqi Cheng, Huawei Shen, Junming Huang, Wei Chen, Xueqi Cheng

Collaborative Complex Personalization (Room 7)

Chair: Jimmy Huang

- **User-Driven System-Mediated Collaborative Information Retrieval**
  Laure Soulier, Chirag Shah, Lynda Tamine
- **SearchPanel: Framing Complex Search Needs**
  Pernilla Qvarfordt, Simon Tretter, Gene Golovchinsky, Tony Dunnigan
- **Cohort Modeling for Enhanced Personalized Search**
  Jinyun Yan, Wei Chu, Ryen White
- **Characterizing Multi-Click Search Behavior and the Risks and Opportunities of Changing Results during Use**
  Chia-Jung Lee, Jaime Teevan, Sebastian de la Chica

SIGIR 2014
Plenary 3
Thursday 10th July, 9:00-10:00

Plenary (Arena 1)

- **The Data Revolution: How Companies are Transforming with Big Data**
  Hugh Williams (Pivotal)

Abstract

Spelling correction in the 1990s was all about algorithms and small dictionaries. This century, it's about mining vast data sets of past user behaviors, simple algorithms, and using those to correct mistakes. The large Internet giants are data-driven enterprises that use data to transform and continually improve user experiences. In this talk, Hugh shares stories about data and how it's used to build Internet products, and explains why he believes data will transform businesses as we know them. Every major company is becoming a data-driven company, and Hugh shares examples of transformations occurring in health, aviation, farming, and telecommunications. He recently joined Pivotal, a company that is assembling the toolkit that exists in only a few consumer Internet companies, and making that toolkit open and available to every industry, including big data platforms, development frameworks, and an open, cloud-independent Platform-as-a-Service. He will conclude by sharing details about Pivotal, the Pivotal vision, and roadmap.

Biography

Hugh E. Williams has been Senior Vice President of Research & Development at Pivotal since January 2014. His teams build big data technologies, and development frameworks and services, including Pivotal's Hadoop, Spring Java framework, and Greenplum database offerings. Most recently, he spent four and a half years as an executive with eBay where he was responsible for the team that conceived, designed, and built eBay's user experiences, search engine, big data technologies and platforms. Prior to joining eBay, he managed an R&D team at Microsoft's Bing for four and a half years, spent over ten years researching and developing search technologies, and ran his own startup and consultancy for several years. He has published over 100 works, mostly in the field of Information Retrieval, including two books for O'Reilly Media Inc. He holds 19 U.S. patents, with many more pending. He has a PhD from RMIT University in Australia.

SIGIR 2014
Session 6
Thursday 10th July, 10:30-11:45

#moremicroblog #sigir2014 (Room 5)

Chair: ChengXiang Zhai

- **Learning Similarity Functions for Topic Detection in Online Reputation Monitoring**
  Damiano Spina, Julio Gonzalo, Enrique Amigó
- **Predicting Trending Messages and Diffusion Participants in Microblogging Network**
  Jingwen Bian, Yang Yang, Tat-Seng Chua
- **Leveraging Knowledge across Media for Spammer Detection in Microblogging**
  Xia Hu, Jiliang Tang, Huan Liu

Scents and Sensibility (Room 6)

Chair: Doug Oard

- **Using Information Scent and Need for Cognition to Understand Online Search Behavior**
  Wan-Ching Wu, Diane Kelly, Avneesh Sud
- **Discrimination Between Tasks with User Activity Patterns During Information Search**
  Michael Cole, Chathra Hendahewa, Nicholas Belkin, Chirag Shah
- **Investigating Users' Query Formulations for Cognitive Search Intents**
  Makoto Kato, Takehiro Yamamoto, Hiroaki Ohshima, Katsumi Tanaka

Users vs. Models (Room 7)

Chair: Ricardo Baeza-Yates

- **Win-Win Search: Dual-Agent Stochastic Game in Session Search**
  Jiyun Luo, Sicong Zhang, Hui Yang
- **Injecting User Models and Time into Precision via Markov Chains**
  Marco Ferrante, Nicola Ferro, Maria Maistro
- **Searching, Browsing, and Clicking in a Search Session: Changes in User Behavior by Task and Over Time**
  Jiepu Jiang, Daqing He, James Allan

SIGIR 2014
Session 7
Thursday 10th July, 1:40-2:55

Sentiments (Room 5)

Chair: Kevyn Collins-Thompson

- **Coarse-to-Fine Review Selection via Supervised Joint Aspect and Sentiment Model**
  Zhen Hai, Gao Cong, Kuiyu Chang, Wenting Liu, Peng Cheng
- **Cross-Domain and Cross-Category Emotion Tagging for Comments of Online News**
  Ying Zhang, Ning Zhang, Luo Si, Yanshan Lu, Qifan Wang, Xiaojie Yuan
- **Economically-Efficient Sentiment Stream Analysis**
  Roberto Lourenco Jr., Adriano Veloso, Adriano Pereira, Wagner Meira Jr., Renato Ferreira, Srinivasan Parthasarathy

More Like Those (Room 6)

Chair: Yi Zhang

- **New and Improved: Modeling Versions to Improve App Recommendation**
  Jovian Lin, Kazunari Sugiyama, Min-Yen Kan, Tat-Seng Chua
- **Bundle Recommendation in eCommerce**
  Tao Zhu, Patrick Harrington, Junjun Li, Lei Tang
- **Does Product Recommendation Meet its Waterloo in Unexplored Categories? No, Price Comes to Help**
  Jia Chen, Qin Jin, Shiwan Zhao, Shenghua Bao, Li Zhang, Zhong Su, Yong Yu

Signs and Symbols (Room 7)

Chair: Jaap Kamps

- **Query Expansion for Mixed-Script Information Retrieval**
  Parth Gupta, Kalika Bali, Rafael E. Banchs, Monojit Choudhury, Paolo Rosso
- **Retrieval of Similar Chess Positions**
  Debasis Ganguly, Johannes Leveling, Gareth Jones
- **A Mathematics Retrieval System for Formulae in Layout Presentations**
  Xiaoyan Lin, Liangcai Gao, Xuan Hu, Zhi Tang, Yingnan Xiao, Xiaozhong Liu

SIGIR 2014
Session 8
Thursday 10th July, 3:25-5:05

Picture This (Room 5)

Chair: Grace Hui Yang

- **The Knowing Camera 2: Recognizing and Annotating Places-of-Interest in Smartphone Photos**
  Pai Peng, Lidan Shou, Ke Chen, Gang Chen, Sai Wu
- **Click-Through-based Cross-view Learning for Image Search**
  Yingwei Pan, Ting Yao, Tao Mei, Houqiang Li, Chong-Wah Ngo, Yong Rui
- **Learning to Personalize Trending Image Search Suggestion**
  Chun-Che Wu, Tao Mei, Winston Hsu, Yong Rui
- **PRISM: Concept-Preserving Social Image Search Results Summarization**
  Boon-Siew Seah, Sourav Bhowmick, Aixin Sun

Time and Tide (Room 6)

Chair: Oren Kurland

- **Time-Critical Search**
  Nina Mishra, Ryen White, Samuel Ieong, Eric Horvitz
- **Learning Temporal-Dependent Ranking Models**
  Miguel Costa, Francisco Couto, Mário Silva
- **Web Page Segmentation with Structured Prediction and its Application in Web Page Classification**
  Lidong Bing, Rui Guo, Wai Lam, Zheng-Yu Niu, Haifeng Wang
- **Query Log Driven Web Search Results Clustering**
  Jose Moreno, Gaël Dias, Guillaume Cleuziou

(a) Summaries and Semantics (Room 7)
(b) [Citation] Recommendation

Chair: Paul Bennett

- **CTSUM: Extracting More Certain Summaries for News Articles**
  Xiaojun Wan, Jianmin Zhang
- **Continuous Word Embeddings for Detecting Local Text Reuses at the Semantic Level**
  Qi Zhang, Jihua Kang, Jin Qian, Xuanjing Huang
- **CiteSight: Supporting Contextual Citation Recommendation Using Differential Search**
  Avishay Livne, Vivek Gokuladas, Jaime Teevan, Susan Dumais, Eytan Adar
- **Cross-Language Context-Aware Citation Recommendation in Scientific Articles**
  Xuewei Tang, Xiaojun Wan, Xun Zhang

Demonstration Session
Wednesday 9th July, 11:45-3:25
Location: Foyers E & F

D1. Relevation!: An Open Source System for Information Retrieval Relevance Assessment
Bevan Koopman, Guido Zuccon

D2. WenZher: Comprehensive Vertical Search for Healthcare Domain
Liqiang Nie, Tao Li, Mohammad Akbari, Jialie Shen, Tat-Seng Chua

D3. STICS: Searching with Strings, Things, and Cats
Johannes Hoffart, Dragan Milchevski, Gerhard Weikum

D4. VIRLab: A Web-based Virtual Lab for Learning and Studying Information Retrieval Models
Hui Fang, Hao Wu, Peilin Yang, ChengXiang Zhai

D5. ServiceXplorer: A Similarity-based Web Service Search Engine
Anne Ngu, Jiangang Ma, Quan Z. Sheng, Lina Yao, Scott Julian

D6. Real-time Visualization and Targeting of Online Visitors
Deepak Pai, Sandeep George

D7. CharBoxes: A System for Automatic Discovery of Character Infoboxes from Books
Manish Gupta, Piyush Bansal, Vasudeva Varma

D8. ADAM - A System for Jointly Providing IR and Database Queries in Large-Scale Multimedia Retrieval
Ivan Giangreco, Ihab Al Kabary, Heiko Schuldt

D9. NicePic!: A System for Extracting Attractive Photos from Flickr Streams
Sergej Zerr, Stefan Siersdorfer, Jose San Pedro, Jonathon Hare, Xiaofei Zhu

D10. A Perspective-Aware Approach to Search: Visualizing Perspectives in News Search Results
Muhammad Atif Qureshi, Colm O'Riordan, Gabriella Pasi

D11. FitYou: Integrating Health Profiles to Real-Time Contextual Suggestion
Christopher Wing, Hui Yang

D12. Semantic Full-text Search with Broccoli
Hannah Bast, Florian Bäurle, Björn Buchhold, Elmar Haußmann

D13. Just-for-Me: An Adaptive Personalization System for Location-Aware Social Music Recommendation
Zhiyong Cheng, Jialie Shen, Tao Mei

D14. A Novel System for the Semi-Automatic Annotation of Event Images
Philip McParlane, Joemon Jose

D15. An Interactive Interface for Visualizing Events on Twitter
Andrew McMinn, Daniel Tsvetkov, Tsvetan Yordanov, Andrew Patterson, Rrobi Szk, Jesus Rodriguez Perez, Joemon Jose

D16. ExperTime: Tracking Expertise over Time
Jan Rybak, Krisztian Balog, Kjetil Nørvåg

Poster Session
Wednesday 9th July, 11:45-3:25
Location: Foyers E & F

1. **Evaluating Answer Passages using Summarization Measures**
   Mostafa Keikha, Jae Hyun Park, Bruce Croft

2. **Incorporating Query-Specific Feedback Into Learning-To-Rank Models**
   Ethem Can, Bruce Croft, R. Manmatha

3. **Diversifying Query Suggestions Based on Query Documents**
   Youngho Kim, Bruce Croft

4. **Comparing Client and Server Dwell Time Estimates for Click-Level Satisfaction Prediction**
   Youngho Kim, Ahmed Hassan, Ryen White, Imed Zitouni

5. **Search Result Diversification via Data Fusion**
   Shengli Wu, Chunlan Huang

6. **Hashtag Recommendation for Hyperlinked Tweets**
   Surendra Sedhai, Aixin Sun

7. **Personalized Document Re-Ranking Based on Bayesian Probabilistic Matrix Factorization**
   Fei Cai, Shangsong Liang, Maarten de Rijke

8. **Using the Cross-Entropy Method to Re-Rank Search Results**
   Haggai Roitman, Shay Hummel, Oren Kurland

9. **Computing and Applying Topic-level User Interactions in Microblog Recommendation**
   Xiao Lu, Peng Li, Hongyuan Ma, Shuxin Wang, Anying Xu, Bin Wang

10. **Towards Context-Aware Search with Right Click**
    Aixin Sun, Chii-Hian Lou

11. **Rendering Expressions to Improve Accuracy of Relevance Assessment for Math Search**
    Matthias Reichenbach, Anurag Agarwal, Richard Zanibbi

12. **Exploring Recommendations in Internet of Things**
    Lina Yao, Quan Sheng, Anne Ngu, Helen Ashman, Xue Li

13. **Sig-SR: SimRank Search over Singular Graphs**
    Yu Weiren, Julie McCann

14. **Old Dogs Are Great at New Tricks: Column Stores for IR Prototyping**
    Hannes Mühleisen, Thaer Samar, Jimmy Lin, Arjen de Vries

15. **The Role of Network Distance in LinkedIn People Search**
    Shih-Wen Huang, Daniel Tunkelang, Karrie Karahalios

16. **Latent Community Discovery Through Enterprise User Search Query Modeling**
    Kevin Carter, Rajmonda Caceres, Ben Priest

17. **Examining Collaborative Query Reformulation: A Case of Travel Information Searching**
    Abu Shamim Mohammad Arif, Jia Tina Du, Ivan Lee

18. **Influential Nodes Selection: A Data Reconstruction Perspective**
    Zhefeng Wang, Hao Wang, Qi Liu, Enhong Chen

19. **A Fusion Approach to Cluster Labeling**
    Haggai Roitman, Shay Hummel, Michal Shmueli-Scheuer

20. **Evaluating the Effort Involved in Relevance Assessments for Images**
    Martin Halvey, Robert Villa

21. **Score-Safe Term-Dependency Processing With Hybrid Indexes**
    Matthias Petri, Alistair Moffat, Shane Culpepper

22. **Co-Training on Authorship Attribution with Very Few Labeled Examples: Methods vs. Views**
Tieyun Qian, Bing Liu, Ming Zhong, Guoliang He

23. **Probabilistic Text Modeling with Orthogonalized Topics**
Enpeng Yao, Guoqing Zheng, Ou Jin, Shenghua Bao, Kailong Chen, Zhong Su, Yong Yu

24. **Evaluating Non-deterministic Retrieval Systems**
Gaya Jayasinghe, William Webber, Mark Sanderson, Lasitha Dharmasena, Shane Culpepper

25. **Extending Test Collection Pools Without Manual Runs**
Gaya Jayasinghe, William Webber, Mark Sanderson, Shane Culpepper

26. **The Search Duel: A Response to a Strong Ranker**
Peter Izsak, Fiana Raiber, Oren Kurland, Moshe Tennenholtz

27. **Modeling the Evolution of Product Entities**
Priya Radhakrishnan, Manish Gupta, Vasudeva Varma

28. **Predicting Burst and Popularity of Hashtags in Real-Time**
Shoubin Kong, Qiaozhu Mei, Ling Feng, Fei Ye, Zhe Zhao

29. **Probabilistic Ensemble Learning for Vietnamese Word Segmentation**
Wuying Liu, Li Lin

30. **Improving Unsupervised Query Segmentation using Parts-of-Speech Sequence Information**
Rishiraj Saha Roy, Yogarshi Vyas, Niloy Ganguly, Monojit Choudhury

31. **Building a Query Log via Crowdsourcing**
Omar Alonso, Maria Stone

32. **Web Search without 'Stupid' Results**
Aleksandra Lomakina, Nikita Povarov, Pavel Serdyukov

33. **Discovering Real-World Use Cases for a Multimodal Math Search Interface**
Keita Wangari, Richard Zanibbi, Anurag Agarwal

34. **Improving Search Personalisation with Dynamic Group Formation**
Thanh Vu, Dawei Song, Alistair Willis, Son Tran, Jingfei Li

35. **Detection of Abnormal Profiles on Group Attacks in Recommender Systems**
Wei Zhou, Yun Sing Koh, Junhao Wen, Shafiq Alam, Gillian Dobbie

36. **On Run Diversity in "Evaluation as a Service"**
Ellen Voorhees, Jimmy Lin, Miles Efron

37. **Analyzing Bias in CQA-Based Expert Finding Test Sets**
Reyyan Yeniterzi, Jamie Callan

38. **Understanding Negation and Family History to Improve Clinical Information Retrieval**
Bevan Koopman, Guido Zuccon

39. **Modeling Dual Role Preferences for Trust-aware Recommendation**
Weilong Yao, Jing He, Guangyan Huang, Yanchun Zhang

40. **Mouse Movement During Relevance Judging: Implications for Determining User Attention**
Mark Smucker, Xiaoyu Guo, Andrew Toulis

41. **PAAP: Prefetch-Aware Admission Policies for Query Results Cache in Web Search Engines**
Hongyuan Ma, Wei Liu, Bingjie Wei, Liang Shi, Xiuguo Bao, Lihong Wang, Bin Wang

42. **User Geospatial Context for Music Recommendation in Microblogs**
Markus Schedl, Andreu Vall, Katayoun Farrahi

43. **Compositional Data Analysis (CoDA) Approaches to Distance in Information Retrieval**
Paul Thomas, David Lovell

44. **Group Latent Factor Model for Recommendation with Multiple User Behaviors**
Jian Cheng, Ting Yuan, Jinqiao Wang, Hanqing Lu

45. **Hashing with List-Wise Learning to Rank**
Zhou Yu, Fei Wu, Yin Zhang, Siliang Tang, Jian Shao, Yueting Zhuang

46. **A Burstiness-Aware Approach for Document Dating**
Dimitrios Kotsakos, Theodoros Lappas, Dimitrios Kotzias, Dimitrios Gunopulos, Nattiya Kanhabua, Kjetil Nørvåg

47. **An Analysis of Query Difficulty for Information Retrieval in the Medical Domain**
Lorraine Goeuriot, Liadh Kelly, Johannes Leveling

48. **Mobile Query Reformulations**
Milad Shokouhi, Rosie Jones, Umut Ozertem, Karthik Raghunathan, Fernando Diaz

49. **On Peculiarities of Positional Effects in Sponsored Search**
Vyacheslav Alipov, Valery Topinsky, Ilya Trofimov

50. **A Collective Topic model for Milestone Paper Discovery**
Ziyu Lu, Nikos Mamoulis, David Cheung

51. **Document Summarization Based on Word Associations**
Oskar Gross, Antoine Doucet, Hannu Toivonen

52. **Do Users Rate or Review? Boost Phrase-level Sentiment Labeling with Review-Level Sentiment Classification**
Yongfeng Zhang, Haochen Zhang, Min Zhang, Yiqun Liu, Shaoping Ma

53. **Random Subspace for Binary Codes Learning in Large Scale Image Retrieval**
Cong Leng, Jian Cheng, Hanqing Lu

54. **Large-Scale Author Verification: Temporal and Topical Influences**
Michiel van Dam, Claudia Hauff

55. **Evaluating Mobile Web Search Performance by Taking Good Abandonment into Account**
Olga Arkhipova, Lidia Grauer

56. **Assessing the Reliability and Reusability of an E-Discovery Privilege Test Collection**
Jyothi Vinjumur, Douglas Oard, Jiaul Paik

57. **Modeling Evolution of a Social Network using Temporal Graph Kernels**
Akash Anil, Niladri Sett, Sanasam Singh

58. **On User Interactions with Query Auto-Completion**
Bhaskar Mitra, Milad Shokouhi, Filip Radlinski, Katja Hofmann

59. **Re-ranking Approach to Classification in Large-scale Power-Law Distributed Category Systems**
Rohit Babbar, Ioannis Partalas, Eric Gaussier, Massih-reza Amini

60. **Enhancing Personalization via Search Activity Attribution**
Adish Singla, Ryen White, Ahmed Hassan, Eric Horvitz

61. **A Syntax-Aware Re-Ranker for Microblog Retrieval**
Aliaksei Severyn, Alessandro Moschitti, Manos Tsagkias, Richard Berendsen, Maarten de Rijke

62. **Weighted Aspect-Based Collaborative Filtering**
YanPing Nie, Yang Liu, Xiaohui Yu

63. **Evaluating Intuitiveness of Vertical-Aware Click Models**
Aleksandr Chuklin, Ke Zhou, Anne Schuth, Floor Sietsma, Maarten de Rijke

64. **Recipient Recommendation in Enterprises Using Communication Graphs and Email Content**
David Graus, David van Dijk, Manos Tsagkias, Wouter Weerkamp, Maarten de Rijke

65. **Analyzing the Content Emphasis of Web Search Engines**
Mohammed Alam, Doug Downey

66. **Effects of Task and Domain on Searcher Attention**
Dmitry Lagun, Eugene Agichtein

67. **Learning Sufficient Queries for Entity Filtering**
Miles Efron, Craig Willis, Garrick Sherman

68. **PatentLine: Analyzing Technology Evolution on Multi-View Patent Graphs**
Longhui Zhang, Lei Li, Tao Li, Qi Zhang

69. **Query Performance Prediction for Entity Retrieval**
Hadas Raviv, Oren Kurland, David Carmel

70. **Second Order Probabilistic Models for Within-Document Novelty Detection in Academic Articles**
Laurence Park, Simeon Simoff

71. **Modeling the Dynamics of Personal Expertise**
Yi Fang, Archana Godavarthy

72. **An Annotation Similarity Model in Passage Ranking for Historical Fact Validation**
Jun Araki, Jamie Callan

73. **To Hint or Not: Exploring the Effectiveness of Search Hints for Complex Informational Tasks**
Denis Savenkov, Eugene Agichtein

74. **The Effect of Sampling Strategy on Inferred Measures**
Ellen Voorhees

75. **Cache-Conscious Runtime Optimization for Ranking Ensembles**
Xun Tang, Xin Jin, Tao Yang

76. **Bridging Temporal Context Gaps using Time-Aware Re-Contextualization**
Andrea Ceroni, Nam Tran, Nattiya Kanhabua, Claudia Niederée

77. **An Enhanced Context-sensitive Proximity Model for Probabilistic Information Retrieval**
Jiashu Zhao, Jimmy Xiangji Huang

78. **On the Information Difference between Standard Retrieval Models**
Peter Golbus, Javed Aslam

79. **A POMDP Model for Content-Free Document Re-Ranking**
Sicong Zhang, Jiyun Luo, Hui Yang

80. **Using Score Differences for Search Result Diversification**
Sadegh Kharazmi, Mark Sanderson, Falk Scholer, David Vallet

81. **TREC: Topic engineeRing ExerCise**
Shane Culpepper, Stefano Mizzaro, Mark Sanderson, Falk Scholer

82. **How K-12 Students Search For Learning? Analysis of an Educational Search Engine Log**
Arif Usta, Ismail Altingovde, İbrahim Bahattin Vidinli, Rifat Ozcan, Özgür Ulusoy

83. **The Correlation between Cluster Hypothesis Tests and the Effectiveness of Cluster-Based Retrieval**
Fiana Raiber, Oren Kurland

84. **The Effect of Expanding Relevance Judgements with Duplicates**
Gaurav Baruah, Adam Roegiest, Mark Smucker

85. **On Correlation of Absence Time and Search Effectiveness**
Sunandan Chakraborty, Filip Radlinski, Milad Shokouhi, Paul Baecke

86. **Necessary and Frequent Terms in Queries**
Jiepu Jiang, James Allan

87. **Extracting Topics Based on Authors, Recipients and Content in Microblogs**
Nazneen Fatema Rajani, Kate McArdle, Jason Baldridge

88. **Exploiting Twitter and Wikipedia for the Annotation of Event Images**
Philip McParlane, Joemon Jose

89. **Learning to Translate Queries for CLIR**
Artem Sokolov, Felix Hieber, Stefan Riezler

90. **Predicting Query Performance In Microblog Retrieval**
Jesus Rodriguez Perez, Joemon Jose

91. **An Event Extraction Model based on Timeline and User Analysis in Latent Dirichlet Allocation**
Bayar Tsolmon, Kyung-Soon Lee

92. **What Makes Data Robust: A Data Analysis in Learning to Rank**
Shuzi Niu, Yanyan Lan, Jiafeng Guo, Xueqi Cheng, Xiubo Geng

93. **Learning to Bridge Colloquial and Formal Language Applied to Linking and Search of E-Commerce Data**
Ivan Vulić, Susana Zoghbi, Marie-Francine Moens

94. **Uncovering the Unarchived Web**
Thaer Samar, Hugo Huurdeman, Anat Ben-David, Jaap Kamps, Arjen de Vries

95. **Inferring Topic-Dependent Influence Roles of Twitter Users**
Chengyao Chen, Dehong Gao, Wenjie Li, Yuexian Hou

96. **Reputation Analysis with a Ranked Sentiment-Lexicon**
Filipa Peleja, João Santos, João Magalhães

97. **On Predicting Religion Labels in Microblogging Networks**
Minh-Thap Nguyen, Ee-Peng Lim

98. **Efficiently Identify Local Frequent Keyword Co-Occurrence Patterns in Geo-tagged Twitter Stream**
Xiaoyang Wang, Ying Zhang, Wenjie Zhang, Xuemin Lin

99. **Item Group Based Pairwise Preference Learning for Personalized Ranking**
Shuang Qiu, Jian Cheng, Ting Yuan, Cong Leng, Hanqing Lu

100. **Where Not to Go? Detecting Road Hazards Using Twitter**
Avinash Kumar, Miao Jiang, Yi Fang

101. **Enhancing Sketch-Based Sport Video Retrieval by Suggesting Relevant Motion Paths**
Ihab Al Kabary, Heiko Schuldt

102. **Dynamic Location Models**
Vanessa Murdock

103. **Wikipedia-Based Query Performance Prediction**
Gilad Katz, Anna Shtock, Oren Kurland, Bracha Shapira, Lior Rokach

104. **A Revisit to Social Network-Based Recommender Systems**
Hui Li, Dingming Wu, Nikos Mamoulis

Workshops
Friday 11th July, 9:00-5:05

- **PIR'14: Privacy-Preserving IR: When Information Retrieval Meets Privacy and Security**
  http://www.cs.georgetown.edu/~huiyang/sigir2014-pir-workshop/index.html
  Luo Si, Grace Hui Yang
  Location: Room 2
- **MedIR'14: Medical Information Retrieval** Microsoft Research
  http://medir.dcu.ie/
  Lorraine Goeuriot, Gareth Jones, Liadh Kelly, Henning Müller, Justin Zobel
  Location: Room 3
- **GEAR'14: Gathering Efficient Assessments of Relevance**
  https://sites.google.com/site/sigirgear/
  Martin Halvey, Robert Villa, Paul Clough
  Location: Room 4
- **ERD'14: Entity Recognition and Disambiguation Challenge** Bai du 百度
  http://web-ngram.research.microsoft.com/ERD2014/
  David Carmel, Ming-Wei Chang, Evgeniy Gabrilovich, Bo-June Hsu, Kuansan Wang
  Location: Room 5
- **SMIR'14: Semantic Matching in Information Retrieval**
  http://smir2014.noahlab.com.hk/
  Julio Gonzalo, Hang Li, Alessandro Moschitti, Jun Xu
  Location: Room 6
- **SoMeRA'14: Social Media Retrieval and Analysis**
  http://www.cp.jku.at/conferences/SoMeRA2014/
  Markus Schedl, Peter Knees, Jialie Shen
  Location: Room 7
- **TAIA'14: Temporal, Social and Spatially Aware Information Access**
  http://research.microsoft.com/en-us/people/milads/taia2014.aspx
  Fernando Diaz, Claudia Hauff, Vanessa Murdock, Maarten de Rijke, Milad Shokouhi
  Location: Room 8

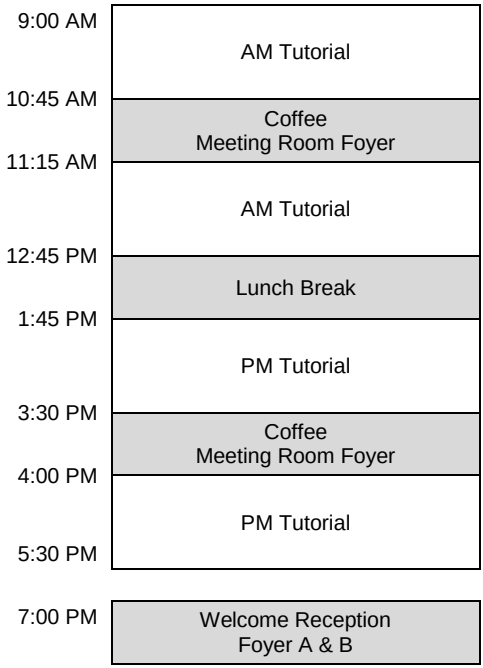
Social Program

- **Welcome Reception (Foyer A & B)**
  Monday 7th 7:00pm – 8:30
  All conference attendees welcome
- **Student Lunch (Central Room A)**
  Tuesday 8th 11:45am – 1:15pm
  A lunch will be provided in Central Room A for student members of ACM SIGIR
- **Banquet (Arena 2)**
  Wednesday 9th 7:00pm – late
  All conference attendees welcome
- **ACM SIGIR Business Lunch (Arena 1)**
  Thursday 10th 11:45am – 1:40pm
  All conference attendees welcome

Sunday 6th July

9:00 AM	Doctoral Consortium Room 5
10:45 AM	Coffee Meeting Room Foyer
11:15 AM	Doctoral Consortium Room 5
12:45 PM	Lunch (provided)
1:45 PM	Doctoral Consortium Room 5
3:30 PM	Coffee Meeting Room Foyer
4:00 PM	Doctoral Consortium Room 5
5:30 PM	

Monday 7Th July (Tutorials)



Morning Locations (9:00-12:45)

Room 2: Axiomatic Analysis and Optimization of Information Retrieval Models

Room 3: Speech Search: Techniques and Tools for Spoken Content Retrieval

Room 4: Scalability and Efficiency Challenges in Large-Scale Web Search Engines

Room 5: Choices and Constraints (Part 1): Experimental Approaches to Information Retrieval

Room 6: Statistical Significance Testing in Information Retrieval: Theory and Practice

Afternoon Locations (1:45-5:30)

Room 3: The Retrievability of Documents

Room 4: A General Account of Effectiveness Metrics for Information Tasks: Retrieval, Filtering, and Clustering

Room 5: Choices and Constraints (Part 2): Observational Approaches to Information Retrieval

Room 6: Dynamic Information Retrieval Modeling

Monday 7th July (SIRIP)

9:00 AM	SIRIP Room 7
10:45 AM	Coffee Meeting Room Foyer
11:15 AM	SIRIP Room 7
12:45 PM	Lunch Break
2:00 PM	SIRIP Room 7
3:30 PM	Coffee Meeting Room Foyer
4:00 PM	SIRIP Room 7
5:35 PM	
7:00 PM	Welcome Reception Foyer A & B

Tuesday 8th July

8:30 AM	Welcome to SIGIR 2014 Arena 1		
9:00 AM	Susan Dumais Athena Award Lecture: Putting Searchers into Search Arena 1		
10:00 AM	Coffee Foyers A & B		
10:30 AM	Risks and Rewards Room 5	#microblog #sigir2014 Room 6	Recommendation Room 7
11:45 AM	Student Lunch (provided for SIGIR Student Members) Central Room A		
1:15 PM	(I Can't Get No) Satisfaction Room 5	Doctors and Lawyers Room 6	Hashing and Efficiency Room 7
2:55 PM	Coffee Foyers A & B		
3:25 PM	Social Media Room 5	Indexing and Efficiency Room 6	*E Pluribus Unum* Room 7
5:05 PM			

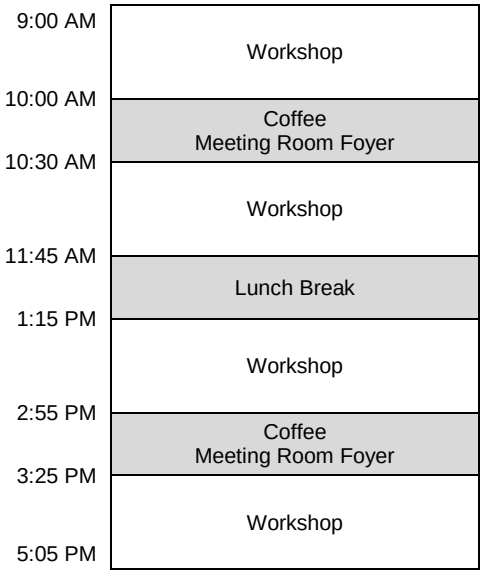
Wednesday 9th July

9:00 AM	Marti Hearst Seeking Simplicity in Search User Interfaces Arena 1		
10:00 AM	Coffee Foyers A & B		
10:30 AM	Think Globally, Act Locally Room 5	*Scientia Potentia Est* Room 6	More Hashing Room 7
11:45 AM	Poster Session with Lunch (provided) Foyers E & F		
1:15 PM	Poster Session (running from start of Lunch through to end of Coffee Break) Foyers E & F		
2:55 PM	Poster Session with Coffee Foyers E & F		
3:25 PM	Brains!!! Room 5	(a)Auto-completio & (b)How to Win Friends and Influence People Room 6	Collaborative Complex Personalization Room 7
5:05 PM			
7:00 PM	Banquet Arena 2		

Thursday 10th July

9:00 AM	Hugh Williams The Data Revolution: How Companies are Transforming with Big Data Arena 1		
10:00 AM	Coffee Foyers A & B		
10:30 AM	#moremicroblog #sigir2014 Room 5	Scents and Sensibility Room 6	Users vs. Models Room 7
11:45 AM	ACM SGIR Business Lunch (provided) Arena 1		
1:40 PM	Sentiments Room 5	More Like Those Room 6	Signs and Symbols Room 7
2:55 PM	Coffee Foyers A & B		
3:25 PM	Picture This Room 5	Time and Tide Room 6	(a)Summaries and Semantics (b)[Citation] Recommendation Room 7
5:05 PM	Close Room 5		
5:30 PM			

Friday 11th July



Workshop Locations

Room 2: PIR'14: Privacy-Preserving IR: When Information Retrieval Meets Privacy and Security

Room 3: MedIR'14: Medical Information Retrieval

Room 4: GEAR'14: Gathering Efficient Assessments of Relevance

Room 5: ERD'14: Entity Recognition and Disambiguation Challenge

Room 6: SMIR'14: Semantic Matching in Information Retrieval

Room 7: SoMeRA'14: Social Media Retrieval and Analysis

Room 8: TAIA'14: Temporal, Social and Spatially Aware Information Access

http://acm.org/

http://sigir.org/

Please recycle this booklet