CIKM'10 Program AT A GLANCE

On-site Registration October 26-30, 8:00-18:00 [Second Floor Lobby]

Tuesday, October 26 Workshops and Tutorials

Wednesday October 27, 2010

8:10-8:30 **Conference Opening** [Imperial Room]

8:30-9:30 **Keynote Talk** [Imperial Room]

Search Engine Support for Software Applications, Jamie Callan, Carnegie Mellon University

9:30-10:00 **Coffee break**

10:00 - 12:00	**Session 1A** [ROOM A] ***KM: Information Extraction***	**Session 1B** [ROOM B] ***IR: Ranking and Retrieval Model***	**Session 1C** [ROOM C] ***DB: Indexes and Query Optimization***	**Session 1D** [ROOM D] ***IR: Domain-Specific and Multimedia IR***

12:00-13:30 **Lunch and Posters** [Imperial Room]

13:30 - 15:30	**Session 2A** [ROOM A] ***KM: Link and Graph Mining***	**Session – 2B** [ROOM B] ***IR: Machine Learning for IR (I)***	**Session – 2C** [ROOM C] ***DB: Mobile and Distributed Data Management***	**Session – 2D** [ROOM D] ***KM: Classification and Clustering***

15:30-16:00 **Coffee break**

16:00 - 17:40	**Session 3A** [ROOM A] ***KM: Large-scale Statistical Techniques***	**Session 3B** [ROOM B] ***IR: Machine Learning for IR (II)***	**Session – 3C** [ROOM C] ***DB: Top-K and Shortest Path Processing***	**Session 3D** [ROOM D] ***IR: IR Evaluation***

18:30-21:30 **Conference Reception and Posters** [Imperial Room]

Thursday October 28,, 2010

8:30-9:30 **Keynote Talk** [Imperial Room]

Schema Extraction, Divesh Srivastava, AT&T Labs-Research

9:30-10:00 **Coffee Break**

10:00 - 12:00	**Session 4A** [ROOM A] ***KM: Information Filtering and Recommender Systems (I)***	**Session 4B** [ROOM B] ***IR: Social Networks and Text Mining***	**Session 4C** [ROOM C] ***Industry: IR Applications***	**Session 4D** [ROOM D] ***DB: Information Retrieval in Databases***

12:00 - 13:30 **Lunch**

13:30 - 15:30	**Session 5A** [ROOM A] ***KM: Temporal, Spatial and Stream Data Mining***	**Session 5B** [ROOM B] ***IR: Filtering and Recommendation***	**Session 5C** [ROOM C] ***Industry: Databases and OLAP***	**Session 5D** [ROOM D] ***KM: Data Pre- and Post-Processing***

15:30-16:00 **Coffee break**

16:00 - 17:30	**Session 6A** [ROOM A] ***Demo: IR (I)***	**Session 6B** [ROOM B] ***Demo: IR (II)***	**Session 6C** [ROOM C] ***Demo: DB***	**Session 6D** [ROOM D] ***Demo: KM***

18:30 - 21:30 Conference Banquet [TBA]

Friday October 29, 2010

8:30-9:30 **Keynote Talk** [Imperial Room]

Use of Semantics in Real Life Applications, Gregory Grefenstette, Exalead

9:30-10:00 **Coffee Break**

10:00 - 12:00	**Session 7A** [ROOM A] ***KM: Information Filtering and Recommender Systems (II)***	**Session 7B** [ROOM B] ***IR: User Modeling and Search Personalization***	**Session 7C** [ROOM C] ***Industry: Web and Social Networks***	**Session – 7D** [ROOM D] ***IR: Query Analysis and Feedback***

12:00-13:30 **Lunch**

13:30-14:30 **Keynote Talk** [Imperial Room]

Temporal Dynamics and Information Retrieval, Susan Dimais, Microsoft Research

14:30-15:00 **Coffee Break**

15:00 - 17:00	**Session 8A** [ROOM A] ***KM: Semantic Techniques***	**Session 8B** [ROOM B] ***IR: Web Search***	**Session 8C** [ROOM C] ***Industry: Text Mining and Analytics***	**Session 8D** [ROOM D] ***IR: Scalability and Efficiency***

17:00-18:00 **Panel Discussion** [Imperial Room]

Saturday, October 30 Workshops

CIKM'10 Main Conference Program

Wednesday, October 26, 2010

On-site Registration

Time: October 26-30, 08:00-18:00
Location: Lobby

Conference Opening (8:10-8:30)

Location: Imperial Room
Welcome: TBA
Program Introduction: PC Chairs

Keynote Talk (October 27, 8:30 - 9:30)

Chair: Jimmy Huang
Location: Imperial Room
Title: Search Engine Support for Software Applications
Speaker: Jamie Callan, Carnegie Mellon University

Coffee Break (9:30 - 10:00)

Session – 1A (October 27, 10:00 - 12:00)

KM Track: Information Extraction
Chair: TBA
Location: ROOM A

- Components for Information Extraction: Ontology-Based Information Extractors and Generic Platforms, Daya Wimalasuriya and Dejing Dou
- Automatically Acquiring a Semantic Network of Related Concepts, Sean Szumlanski and Fernando Gomez
- Online Annotation of Text Streams with Structured Entities, Ken Pu, Richard Drake, Oktie Hassanzadeh and Renee Miller
- Automatic Extraction of Web Data Records Containing User-Generated Content, Xinying Song, Jing Liu, Cao Yunbo and Chin-Yew Lin
- An Efficient Algorithm for Mining Time Interval-based Patterns in Large Database, Yi-cheng Chen, Ji-Chiang Jiang, Wen-Chih Peng and Suh-Yin Lee

Session – 1B (October 27, 10:00 - 12:00)

IR Track: Ranking and Retrieval Model
Chair: TBA
Location: ROOM B

- What can Quantum Theory Bring to Information Retrieval? Benjamin Piwowarski, Ingo Frommholz, Mounia Lalmas and Keith van Rijsbergen
- Entity Ranking using Wikipedia as a Pivot, Rianne Kaptein, Jaap Kamps, Pavel Serdyukov and Arjen de Vries
- Ranking under Temporal Constraints, Lidan Wang, Donald Metzler and Jimmy Lin
- Examining the Information Retrieval Process from an Inductive Perspective, Ronan Cummins, Mounia Lalmas and Colm O'Riordan
- On Identifying Representative Relevant Documents, Fiana Raiber and Oren Kurland

Session – 1C (October 27, 10:00 - 12:00)

DB Track: Indexes and Query Optimization
Chair: TBA
Location: ROOM C

- On the Selectivity of Multidimensional Routing Indices, Christos Doulkeridis, Akrivi Vlachou, Kjetil Noervaag, Yannis Kotidis and Michalis Vazirgiannis
- Path-Hop: Efficiently Indexing Large Graphs for Reachability Queries, Jing Cai and Chung Keung Poon
- On Wavelet Decomposition of Uncertain Time Series Data Sets, Yuchen Zhao, Charu Aggarwal and Philip Yu
- Efficient Set-Correlation Operator inside Databases, Shaoxu Song and Lei Chen
- Online Update of B-trees, Marina Barsky, Alex Thomo, Zoltan Toth and Calisto Zuzarte

Session – 1D (October 27, 10:00 - 12:00)

IR Track: Domain-Specific and Multimedia IR
Chair: TBA
Location: ROOM D

- Wisdom of the Ages: Toward Delivering the Children's Web with the Link-based AgeRank Algorithm, Karl Gyllstrom and Marie-Francine Moens
- A Cross-lingual Framework for Monolingual Biomedical Information Retrieval, Dolf Trieschnigg, Djoerd Hiemstra, Franciska de Jong and Wessel Kraaij
- Multi-Modal Multi-Correlation Personal News Retrieval, Zechao Li, Jing Liu, Xiaobin Zhu and Hanqing Lu
- Bringing Order to Your Photos: Event-Driven Classification of Flickr Images Based on Social Knowledge, Claudiu Firan, Mihai Georgescu, Wolfgang Nejdl and Raluca Paiu

Lunch and Posters (12:00 - 13:30)
Location: Imperial Room

Session – 2A (October 27, 13:30 - 15:30)

KM Track: Link and Graph Mining
Chair: TBA
Location: ROOM A

- Mining Topic-Level Influence in Heterogeneous Networks, Lu Liu, Jie Tang, Meng Jiang, Jiawei Han and Shiqiang Yang
- Mining Interesting Link Formation Rules in Social Networks, Cane Wing-ki Leung, Ee-Peng Lim, David Lo and Jianshu Weng
- SHRINK: A Structural Clustering Algorithm for Detecting Hierarchical Communities in Networks, Jianbin Huang, Heli Sun, Jiawei Han, Hongbo Deng and Yizhou Sun
- Outcome Aware Ranking in Interaction Networks, S Kameshwaran, Sameep Mehta and Vinayaka Pandit
- Expansion and Search in Networks, Arun Maiya and Tanya Berger-Wolf

Session – 2B (October 27, 13:30 - 15:30)

IR Track: Machine Learning for IR (I)
Chair: TBA
Location: ROOM B

- Improved Latent Concept Expansion Using Hierarchical Markov Random Fields, Hao Lang, Donald Metzler, Bin Wang and Jin-Tao Li
- Term Necessity Prediction, Le Zhao and Jamie Callan
- Decomposing Background Topics from Keywords by Principal Component Pursuit, Kerui Min, Zhengdong Zhang, John Wright and Yi Ma
- Document Update Summarization using Incremental Hierarchical Clustering, Dingding Wang and Tao Li
- How about utilizing ordinal information from the distribution of unlabeled data? Mingjie Qian, Bo Chen and Hongwei Qi

Session – 2C (October 27, 13:30 - 15:30)

DB Track: Mobile and Distributed Data Management
Chair: TBA
Location: ROOM C

- Automatic Schema Merging Using Mapping Constraints over Incomplete Sources, Xiang Li, Christoph Quix, David Kensche and Sandra Geisler
- Preserving Location and Absence Privacy in Geo-Social Networks, Dario Freni, Carmen Ruiz Vicente, Sergio Mascetti, Claudio Bettini and Christian S. Jensen
- Preference Query Evaluation Over Expensive Attributes, Justin Levandoski, Mohamed Mokbel and Mohamed Khalefa
- Energy-Efficient Top-k Query Processing in Wireless Sensor Networks, Baichen Chen, Weifa Liang, Rui Zhou and Jeffrey Yu
- StableBuffer: Optimizing Write Performance for DBMS Applications on Flash Devices, LI YU, Xu Jianliang, Byron CHOI and Haibo Hu

Session – 2D (October 27, 13:30 - 15:30)

KM Track: Classification and Clustering
Chair: TBA

Location: ROOM D

- Mr.KNN: Soft Relevance for Multi-label Classification, Xiaotong Lin and Xue-wen Chen
- Collaborative Dual-PLSA: Mining Distinction and Commonality across Multiple Domains for Classification, Fuzhen Zhuang, Ping Luo, Zhiyong Shen, Qing He, Yuhong Xiong, Zhongzhi Shi and Hui Xiong
- Inferring Gender of Movie Reviewers: Exploiting Writing Style, Content and Metadata, Jahna Otterbacher
- A Robust Semi-supervised Classification Method for Transfer Learning, Akinori Fujino, Naonori Ueda and Masaaki Nagata
- Multi-View Clustering with Constraint Propagation for Learning with an Incomplete Mapping Between Views, Eric Eaton, Marie desJardins and Sara Jacob

Coffee Break (15:30 - 16:00)

Session – 3A (October 27, 16:00 - 17:40)

KM Track: Large-scale Statistical Techniques
Chair: TBA
Location: ROOM A

- Pricing Guaranteed Contracts in Online Display Advertising, Vijay Bharadwaj, Wenjing Ma, Michael Schwarz, Jayavel Shanmugasundaram, Erik Vee, Jack Xie and Jian Yang
- Maximum Normalized Spacing for Efficient Visual Clustering, Zhi-Gang Fan, Yadong Wu and Bo Wu
- Multilevel Manifold Learning with Application to Spectral Clustering, Haw-ren Fang, Sophia Sakellaridi and Yousef Saad
- Accelerating Probabilistic Frequent Itemset Mining: A Model-Based Approach, Liang Wang , Reynold Cheng, Sau Dan Lee and David Cheung

Session – 3B (October 27, 16:00 - 17:40)

IR Track: Machine Learning for IR (II)
Chair: TBA
Location: ROOM B

- Learning Click Models via Probit Bayesian Inference, Yuchen Zhang, Gang Wang and Weizhu Chen
- Document Allocation Policies for Selective Searching of Distributed Indexes, Anagha Kulkarni and Jamie Callan
- Rank Learning for Factoid Question Answering with Linguistic and Semantic Constraints, Matthew Bilotti, Jonathan Elsas, Jaime Carbonell and Eric Nyberg
- Learning to Rank Relevant and Novel Documents through User Feedback, Abhimanyu Lad and Yiming Yang

Session – 3C (October 27, 16:00 - 17:40)

DB Track: Top-K and Shortest Path Processing
Chair: TBA
Location: ROOM C

- Set Cover Algorithms For Very Large Datasets, Graham Cormode, Howard Karloff and Anthony Wirth
- The Gist of Everything New: Personalized Top-k Processing over Web 2.0 Streams, Parisa Haghani, Sebastian Michel and Karl Aberer
- Fast and Accurate Estimation of Shortest Paths in Large Graphs, Andrey Gubichev, Srikanta Bedathur, Stephan Seufert and Gerhard Weikum
- Fast Top-k Simple Shortest Paths Discovery on Graphs, Gao Jun , Huida Qiu and Xiao Jiang

Session – 3D (October 27, 16:00 - 17:40)

IR Track: IR Evaluation
Chair: TBA
Location: ROOM D

- Factors Affecting Click-Through Behavior in Aggregated Search Interfaces, Shanu Sushmita, Hideo Joho, Mounia Lalmas and Robert Villa
- Web Search Solved? All Result Rankings the Same? Hugo Zaragoza, B. Barla Cambazoglu and Ricardo Baeza-Yates
- Assessor Error in Stratified Evaluation, William Webber, Doug Oard, Falk Scholer and Bruce Hedin
- CiteData: A New Multi-faceted Dataset for Evaluating Personalized Search Performance, Abhay Harpale, Yiming Yang, Siddharth Gopal, Daqing He and Zhen Yue

Conference Reception and Posters (October 27, 18:30 - 21:30)

Location: Imperial Room

Thursday October 28, 2010

Keynote Talk (October 28, 8:30 - 9:30)

Chair: Nick Koudas
Location: Imperial Room
Title: Schema Extraction
Speaker: Divesh Srivastava, AT&T Labs-Research

Coffee Break (9:30 - 10:00)

Session – 4A (October 28, 10:00 - 12:00)

KM Track: Information Filtering and Recommender Systems (I)
Chair: TBA
Location: ROOM A

- Learning a User-Thread Alignment Manifold for Thread Recommendation in Online Forum, Jun Zhao, Jiajun Bu, Chun Chen, Ziyu Guan and Can Wang
- FacetCube: A Framework of Incorporating Prior Knowledge into Non-negative Tensor Factorization, Yun Chi and Shenghuo Zhu
- Travel Route Recommendation using Geotags in Photo Sharing Sites, Takeshi Kurashima, Tomoharu Iwata, Go Irie and Ko Fujimura
- Boosting Social Network Connectivity with Link Revival, Yuan Tian, Qi He, Qiankun Zhao, Xingjie Liu and Wang-Chien Lee
- Power in Unity: Forming Teams in Large-Scale Community Systems, Aris Anagnostopoulos, Luca Becchetti, Carlos Castillo, Aristides Gionis and Stefano Leonardi

Session – 4B (October 28, 10:00 - 12:00)

IR Track: Social Networks and Text Mining
Chair: TBA
Location: ROOM B

- Who Should I Cite? Learning Literature Search Models from Citation Behavior, Steven Bethard and Dan Jurafsky
- A Structured Approach to Query Recommendation With Social Annotation Data, Jiafeng Guo, Xueqi Cheng, Gu Xu and Huawei Shen
- Using the Past to Score the Present: Extending Term Weighting Models with Revision History Analysis, Ablimit Aji, Yu Wang, Eugene Agichtein and Evgeniy Gabrilovich
- Bag-of-Word Pyramid and Multi-Scale Text Analysis, Shuang-Hong Yang and Hongyuan Zha
- Latent Interest-Topic Model: Finding the causal relationships behind dyadic data, Noria Kawa

Session – 4C (October 28, 10:00 - 12:00)

Industry Track: IR Applications
Chair: TBA
Location: ROOM C

- Invited talk: TBA
- PROSPECT: A system for screening candidates for recruitment, Amit Singh, Rose Catherine, Karthik Visweswariah, Vijil Chenthamarakshan and Nanda Kambhatla
- Active Caching for Similarity Queries Based on Shared-Neighbor Information, Michael Houle, Vincent Oria and Umar Qasim
- Searching Consumer Image Collections Using Web-based Concept Expansion, Mark Wood, Stacie Hibino and Alexander Loui

Session – 4D (October 28, 10:00 - 12:00)

DB Track: Information Retrieval in Databases
Chair: TBA
Location: ROOM D

- Index Structures for Efficiently Searching Natural Language Text, Pirooz Chubak and Davood Rafiei
- Efficient Temporal Keyword Queries over Versioned Text, Avishek Anand, Srikanta Bedathur, Klaus Berberich and Ralf Schenkel
- Result-Size Estimation for Information-Retrieval Subqueries, Guido Sautter, Klemens Böhm and Andranik Khachatryan
- FACeTOR: Cost-Driven Exploration of Faceted Query Results, Abhijith Kashyap, Vagelis Hristidis and Michalis Petropoulos

- A Framework for Evaluating Database Keyword Search Strategies, Joel Coffman and Alfred Weaver

Lunch (12:00 - 13:30)

Session – 5A (October 28, 13:30 - 15:30)

KM Track: Temporal, Spatial and Stream Data Mining
Chair: TBA
Location: ROOM A

- Network Growth and the Spectral Evolution Model, Jérôme Kunegis, Damien Fay and Christian Bauckhage
- Robust Automatic Detection of Craters in Planetary Images, Wei Ding, Tomasz Stepinski, Lourenco Bandeira, Ricardo Vilalta, Youxi Wu, Zhenyu Lu and Tianyu Cao
- You Are Where You Tweet: A Content-Based Approach to Geo-locating Twitter Users, Zhiyuan Cheng, James Caverlee and Kyumin Lee
- Partial Drift Detection Using a Rule Induction Framework, Damon Sotoudeh and Aijun An
- A Method for Discovering Components of Human Rituals from Streams of Sensor Data, Bamis Athanasios, Jia Fang and Andreas Savvides

Session – 5B (October 28, 13:30 - 15:30)

IR Track: Filtering and Recommendation
Chair: TBA
Location: ROOM B

- Two-Tier Similarity Model for Story Link Detection, Tadashi Nomoto
- Selected new training documents to update user profile, Abdulmohsen Algarni, Yuefeng Li and Yue Xu
- Collaborative Filtering in Social Tagging Systems Based on Joint Item-Tag Recommendations, Jing Peng, Daniel Zeng, Huimin Zhao and Fei-Yue Wang
- Collaborative Future Event Recommendation, einat minkov, Ben Charrow, Jonathan Ledlie, Seth Teller and Tommi Jaakkola
- Hybrid Tag Recommendation for Social Annotation Systems, Jonathan Gemmell, Thomas Schimoler, Bamshad Mobasher and Robin Burke

Session – 5C (October 28, 13:30 - 15:30)

Industry Track: Databases and OLAP
Chair: TBA
Location: ROOM C

- Invited talk: TBA
- XML Schema Computations: Schema Compatibility Testing and Subschema Extractions, Thomas Lee and David Cheung
- Visual Cube and On-Line Analytical Processing of Images, Xin Jin, Liangliang Cao, Jiebo Luo, Bolin Ding, Xide Lin and Jiawei Han
- Pattern Discovery for Large Mixed-Mode Databases, Andrew K.C. Wong, Bin Wu, Gene P.K. Wu and Chan Keith

Session – 5D (October 28, 13:30 - 15:30)

KM Track: Data Pre- and Post-Processing
Chair: TBA
Location: ROOM D

- Constructing Classification Features using Minimal Predictive Patterns, Iyad Batal and Milos Hauskrecht
- RankSVR: Can Preference Data Help Regression? Hwanjo Yu, Sungchul Kim and Seung-Hoon Na
- Estimating Accuracy for Text Classification Tasks on Large Unlabeled Data, Snigdha Chaturvedi, Tanveer Faruquie, Venkata Subramaniam and Mukesh Mohania
- A Probabilistic Topic-Connection Model for Automatic Image Annotation, Xin Chen, Xiaohua Hu, Zhongna Zhou, Caimei Lu, Gail Rosen, Tingting He and E.K. Park
- Orientation Distance-based Discriminative Feature Extraction for Multi-Class Classification, Bo Liu, Yanshan Xiao and Longbing Cao

Coffee break (15:30 - 16:00)

Session – 6A (October 28, 16:00 - 17:30)

Demo Session 1: IR (I)
Chair: Cathal Gurrin
Location: ROOM A

- EntityEngine: Answering Entity-Relationship Queries using Shallow Semantics, Xiaonan Li, Chengkai Li and Cong Yu
- Facetedpedia: Enabling Query-Dependent Faceted Search for Wikipedia, Ning Yan, Chengkai Li, Senjuti B. Roy, Rakesh Ramegowda and Gautam Das
- Discovering, Ranking and Annotating Cross-Document Relationships between Concepts, Wei Jin and Xin Wu
- TC-DCA: A System for Text Classification Based on Document's Content Allocation, Wenbo Li, Le Sun, Zhenzhong Zhang, Xue Jiang and Weiru Zhang
- XReal: An Interactive XML Keyword Searching, Zhifeng Bao, Jiaheng Lu and Tok Wang Ling

Session – 6B (October 28, 16:00 - 17:30)

Demo Session 2: IR (II)
Chair: Cathal Gurrin
Location: ROOM B

- EUI: An Embedded Engine for Understanding User Intents from Mobile Devices, SangKeun Lee, JongWoo Ha, Jung-Hyun Lee, Kyu-Sun Shim and Namhoon Kim
- WikiPop - Personalized Event Detection System Based on Wikipedia Page View Statistics, Marek Ciglan and Kjetil Nørvåg
- Summarizing biological literature with BioSumm, Elena Baralis and Alessandro Fiori
- Crawling the Web for Structured Documents, Julián Urbano, Juan Llorens, Yorgos Andreadakis and Monica Marrero
- Connecting the local and the online in information management, Gabriella Kazai, Natasa Milic-Frayling, Tim Haughton, Natalia Manola, Katerina Iatropoulou, Antonis Lempesis, Paolo Manghi and Marko Mikulicic

Session – 6C (October 28, 16:00 - 17:30)

Demo Session 3: DB
Chair: Cathal Gurrin
Location: ROOM C

- LiquidXML: Adaptive XML content redistribution, Jesus Camacho-Rodriguez, Asterios Katsifodimos, Alexandra Roatis and Ioana Manolescu
- Brown Dwarf: A P2P Data-Warehousing System, Katerina Doka, Dimitrios Tsoumakos and Nectarios Koziris
- RDFViewS: A Storage Tuning Wizard for RDF Applications, Francois Goasdoue, Konstantinos Karanasos, Julien Leblay and Ioana Manolescu
- SEQUEL: Query Completion via Pattern Mining on Multi-Column Structural Data, Chuancong Gao, Qingyan Yang and Jianyong Wang
- MI-WDIS: Web Data Integration System for Market Intelligence, Zhongmin Yan, Qingzhong Li, Zhaohui Peng, Yongquan Dong, Yanhui Ding, Yongxin Zhang and Xiuxing Xu

Session – 6D (October 28, 16:00 - 17:30)

Demo Session 4: KM
Chair: Cathal Gurrin
Location: ROOM D

- FALCON: Seamless Access to Meeting Data from the Inbox and Calendar, Jennifer Lai, Jie Lu, Mercan Topkara, Mukundan Desikan, Yi Guo, Ajinkya Kale, Nizar Lethif, Stephan Wissel, Peter Bjellerup and Karl Cama
- WS-GraphMatching: A Web Service Tool for Graph Matching, Qiong Cheng, Jinpeng Wei, Alexander Zelikovsky and Mitsunori Ogihara
- SPAC: A Distributed; Peer-to-Peer, Secure and Privacy-aware Social Space, Angela Bonifati, Hui Wang and Ruilin Liu
- i-SEE: Integrated Stream Execution Environment over On-line Data Streams, Se Jung Shin, Hong Kyu Park, Ho Jin Woo and Won Suk Lee
- Exploring and Visualizing Academic Social Networks, Veselin Ganev, Zhaochen Guo, Diego Serrano, Denilson Barbosa and Eleni Stroulia

Conference Banquet (October 28, 18:30 - 21:30)

Location: TBA

Friday, October 29, 2010

Keynote Talk (October 29, 8:30 - 9:30)

Chair: Gareth Jones
Location: Imperial Room
Title: Use of Semantics in Real Life Applications
Speaker: Gregory Grefenstette, Exalead

Coffee Break (9:30 - 10:00)

Session – 7A (October 29, 10:00 - 12:00)

KM Track: Information Filtering and Recommender Systems (II)
Chair: TBA
Location: ROOM A

- Evaluating, Combining and Generalizing Recommendations with Prerequisites, Aditya Parameswaran, Hector Garcia-Molina and Jeffrey Ullman
- Automatically Suggesting Topics for Augmenting Text Documents, Robert West, Doina Precup and Joelle Pineau
- Detecting Product Review Spammers using Rating Behaviors, Ee-Peng Lim, Bing Liu, Viet-An Nguyen, Nitin Jindal and Hady Lauw
- Classical Music for Rock Fans?: Novel Recommendations for Expanding User Interests, Nakatsuji Makoto, Yasuhiro Fujiwara, Akimichi Tanaka, Toshio Uchiyama, Ko Fujimura and Toru Ishida
- Improving One-Class Collaborative Filtering by Incorporating Rich User Information, Yanen Li, Jia Hu, Chengxiang Zhai and Ye Chen

Session – 7B (October 29, 10:00 - 12:00)

IR Track: User Modeling and Search Personalization
Chair: TBA
Location: ROOM B

- Personalized Search by Tag-based User Profile and Resource Profile in Collaborative Tagging Systems, Yi Cai and Qing Li
- A Comparison of User and System Query Performance Predictions, Claudia Hauff, Diane Kelly and Leif Azzopardi
- The Anatomy of a Click: Modeling user behavior on web information systems, Kunal Punera
- Exploring Online Social Activities for Adaptive Search Personalization, Qihua Wang and Hongxia Jin
- Predicting Short-Term Interests Using Activity-Based Search Context, Ryen White, Paul Bennett and Susan Dumais

Session – 7C (October 29, 10:00 - 12:00)

Industry Track: Web and Social Networks
Chair: TBA
Location: ROOM C

- Invited talk: TBA
- Probabilistic First Pass Retrieval for Search Advertising: From Theory to Practice, Hema Raghavan and Rukmini Iyer
- Faceted Search and Browsing of Audio Content on Spoken Web, Mamadou Diao, Sougata Mukherjea, Nitendra Rajput and Kundan Srivastava
- Predicting Product Adoption in Large-Scale Social Networks, Rushi Bhatt, Vineet Chaoji and Rajesh Parekh

Session – 7D (October 29, 10:00 - 12:00)

IR Track: Query Analysis and Feedback
Chair: TBA
Location: ROOM D

- Reverted Indexing for Feedback and Expansion, Jeremy Pickens, Matthew Cooper and Gene Golovchinsky
- Improving Verbose Queries using Subset Distribution, Xiaobing Xue, Samuel Huston and Bruce Croft
- A unified optimization framework for robust, risk-aware pseudo-relevance feedback, Joshua Dillon and Kevyn Collins-Thompson
- Ranking Related Entities: Components and Analyses, Marc Bron, Krisztian Balog and Maarten de Rijke

Lunch (12:00 - 13:30)

Keynote Talk (October 29, 13:30 - 14:30)

Chair: Kevyn Collins-Thompson
Location: Imperial Room
Title: Temporal Dynamics and Information Retrieval
Speaker: Susan Dimais, Microsoft Research

Coffee Break (14:30 - 15:00)

Session – 8A (October 29, 15:00 - 17:00)

KM Track: Semantic Techniques
Chair: TBA
Location: ROOM A

- Semantic tags generation and retrieval for online advertising, Mirizzi Roberto, Azzurra Ragone, Tommaso Di Noia and Eugenio Di Sciascio
- MENTA: Inducing Multilingual Taxonomies from Wikipedia, Gerard de Melo and Gerhard Weikum
- Ontology Emergence from Folksonomies, Kaipeng Liu, Binxing Fang and Weizhe Zhang
- Multi-document Topic Segmentation, Minwoo Jeong and Ivan Titov
- Meta-Metadata: A Metadata Semantics Language for Collection Representation Applications, Andruid Kerne, Abhinav Mathur, Nic Lupfer and Sashikanth Damaraju

Session – 8B (October 29, 15:00 - 17:00)

IR Track: Web Search
Chair: TBA
Location: ROOM B

- Clickthrough-Based Translation Models for Web Search: from Word Models to Phrase Models, Jianfeng Gao, Xiaodong He and Jian-Yun Nie
- Temporal Query Log Profiling to Improve Web Search Ranking, Alexander Kotov, Pranam Kolari, Lei Duan and Yi Chang
- Improving Web Search Relevance and Freshness with Content Previews, Siva Gurumurthy, Hang Su, Vasileios Kandylas and Vidhyashankar Venkataraman
- Organizing Query Completions for Web Search, Alpa Jain and Gilad Mishne
- Selectively Diversifying Web Search Results, Rodrygo Santos, Craig Macdonald and Iadh Ounis

Session – 8C (October 29, 15:00 - 17:00)

Industry Track: Text Mining and Analytics
Chair: TBA
Location: ROOM C

- Invited talk: TBA
- Building Re-usable Dictionary Repositories for Real-world Text Mining, Shantanu Godbole, Indrajit Bhattacharya, Ajay Gupta and Ashish Verma
- OpinionIt: A Text Mining System for Cross-lingual Opinion Analysis, Honglei Guo and Huijia Zhu
- Hierarchical Service Analytics for Improving Productivity in an Enterprise Service Center, Chunye Wang, Ram Akella and Srikant Ramachandran

Session – 8D (October 29, 15:00 - 17:00)

IR Track: Scalability and Efficiency
Chair: TBA
Location: ROOM D

- VSEncoding: Efficient Coding and Fast Decoding of Integer Lists via Dynamic Programming, Rossano Venturini and Fabrizio Silvestri
- Efficient Term Proximity Search with Term-Pair Indexes, Hao Yan, Shuming Shi, Fan Zhang, torsten suel and Ji-Rong Wen
- Improved Index Compression Techniques for Versioned Document Collections, Jinru He, Junyuan Zeng, Torsten Suel
- Building Efficient Multi-Threaded Search Nodes, Carolina Bonacic, Carlos Garcia, Marin Mauricio, Manuel Prieto-Matias and Francisco Tirado
- Real Time Memory Efficient Data Redundancy Removal Algorithm, Ankur Narang, Souvik Bhattacherjee and Vikas Garg

Panel Discussion (October 29, 17:00 - 18:00)

Chair: TBA
Location: Imperial Room
Title: TBA