Wednesday 5 April

**Systems and Infrastructure 1**

Osama Haq, Mamoon Raja and Fahad Dogar. *Measuring and Improving the Reliability of Wide-Area Cloud Paths*

Henrique Moniz, João Leitão, Ricardo Dias, Johannes Gehrke, Nuno Preguiça and Rodrigo Rodrigues.  *Blotter: Low Latency Transactions for Geo-Replicated Storage*

Charles Clarke, Gordon Cormack, Jimmy Lin and Adam Roegiest.  *Ten Blue Links on Mars*

Albert van der Linde, Pedro Fouto, João Leitão, Nuno Preguiça, Santiago Castiñeira and Annette Bieniusa.  *Legion: Enriching Internet Services with Peer-to-Peer Interactions*

**Systems and Infrastructure 2**

Gareth Tyson, Shan Huang, Felix Cuadrado, Ignacio Castro, Vasile Perta, Arjuna Sathiaseelan and Steve Uhlig.  *Exploring HTTP Header Manipulation In-The-Wild*

Hiranya Jayathilaka, Chandra Krintz and Rich Wolski.  *Performance Monitoring and Root Cause Analysis for Cloud-hosted Web Applications*

Valentin Dalibard, Michael Schaarschmidt and Eiko Yoneki. *BOAT: Building Auto-Tuners with Structured Bayesian Optimization*

Sanae Rosen, Bo Han, Shuai Hao, Z. Morley Mao and Feng Qian. *Push or Request: An Investigation of HTTP/2 Server Push for Improving Mobile Web Performance*

**Computational Health 1**

Yilin Wang, Jiliang Tang, Jundong Li, Baoxin Li, Yali Wan, Clayton Mellina, Neil O'Hare and Yi Chang.  *Understanding and Discovering Deliberate Self-harm Content in Social Media*

Sandra Servia-Rodríguez, Kiran K. Rachuri, Cecilia Mascolo, Peter J. Rentfrow, Neal Lathia and Gillian M. Sandstrom.  *Mobile sensing at the service of mental well-being: a large-scale longitudinal study*

Tim Althoff, Eric Horvitz, Ryen White and Jamie Zeitzer.  *Population-Scale Study of Sleep and Performance*

Shaodian Zhang, Tian Kang, Lin Qiu, Weinan Zhang, Yong Yu and Noemie Elhadad. *Cataloguing treatments discussed and used in online autism communities*

**Computational Health 2**

Daniela Perrotta, Michele Tizzoni and Daniela Paolotti.  *Using participatory Web-based surveillance data to improve seasonal influenza forecasting in Italy*

Qian Zhang, Nicola Perra, Daniela Perrotta, Daniela Paolotti, Michele Tizzoni and Alessandro Vespignani.  *Forecasting seasonal influenza fusing digital indicators and mechanistic disease models*

Maulik Kamdar and Mark Musen.  *PhLeGrA: Graph Analytics in Pharmacology over the Web of Life Sciences Linked Open Data*

Luca Soldaini and Elad Yom-Tov. *Inferring Individual Attributes from Search Engine Queries and Auxiliary Information*

**Computational Health 3**

Christoph Trattner and David Elsweiler.  *Investigating the Healthiness of Internet-Sourced Recipes: Implications for Meal Planning and Recommender Systems*

Deepika Yadav, Pushpendra Singh, Vijay Kumar, Deepak Sood, Madeline Balaam, Patrick Olivier, Drishti Sharma and Mona Duggal. *Sanghosti: Empowering Community Health Workers through Peer Learning in Rural India*

Ferda Ofli, Yusuf Aytar, Ingmar Weber, Raggi Al Hammouri and Antonio Torralba.  *Is Wine #delicious? The Food Perception Gap on Instagram and Its Relation to Health*

David Stuck, Luca Foschini, Greg Ver Steeg, Haraldur Tómas Hallgrímsson and Alessandro Epasto.  *The Spread of Physical Activity Through Social Networks*

**Ubiquitous and Mobile 1**

Jin-Woo Kwon and Soo-Mook Moon.  *Web Application Migration with Closure Reconstruction*

Mengwei Xu, Yun Ma, Xuanzhe Liu, Felix Xiaozhu Lin and Yunxin Liu.  *AppHolmes: Detecting and Characterizing App Collusion among Third-Party Android Markets*

Elias Papadopoulos, Michalis Diamantaris, Panagiotis Papadopoulos, Thanasis Petsas, Sotiris Ioannidis and Evangelos Markatos.  *The Long-Standing Privacy Debate: Mobile Websites Vs Mobile Apps*

Haoyu Wang, Zhe Liu, Yao Guo, Xiangqun Chen, Miao Zhang, Guoai Xu and Jason Hong. *An Explorative Study of the Mobile App Ecosystem from App Developers' Perspective*

**Ubiquitous and Mobile 2**

Min Hong Yun, Songtao He and Lin Zhong.  *Reducing Latency by Eliminating Synchrony*

Giovanni Campagna, Rakesh Ramesh, Silei Xu, Monica Lam and Michael Fischer.  *Sabrina: An Open, Crowdsourced, Privacy-Preserving, Programmable Virtual Assistant*

Shuochao Yao, Shaohan Hu, Yiran Zhao, Aston Zhang and Tarek Abdelzaher.  *DeepSense: A Unified Deep Learning Framework for Time-Series Mobile Sensing Data Processing*

Chao Zhang, Keyang Zhang, Quan Yuan, Haoruo Peng, Yu Zheng, Tim Hanratty, Shaowen Wang and Jiawei Han.  *Regions, Periods, Activities: Uncovering Urban Dynamics via Cross-Modal Representation Learning*

**Search Applications**

David Goldberg, Andrew Trotman, Xiao Wang, Wei Min and Zongru Wan.  *Drawing Sound Conclusions from Noisy Judgments*

Adam Fourney, Ryen W. White and Meredith Ringel Morris.  *Web Search as a Linguistic Tool*

Yashen Wang.  *Query Expansion Based On A Feedback Concept Model For Microblog Retrieval*

Liangda Li, Hongbo Deng, Anlei Dong, Yi Chang, Hongyuan Zha and Ricardo Baeza-Yates.  *Exploring Query Auto-Completion and Click Logs for Contextual-Aware Web Search and Query Suggestion*

**Recommender Systems 1**

Peizhe Cheng, Shuaiqiang Wang, Jun Ma, Jiankai Sun and Hui Xiong. *Learning to Recommend Accurate and Diverse Items*

Cheng-Kang Hsieh, Longqi Yang, Yin Cui, Tsung Yi Lin, Serge Belongie and Deborah Estrin.  *Collaborative Metric Learning*

Alex Beutel, Ed H. Chi, Zhiyuan Cheng, Hubert Pham and John Anderson.  *Beyond Globally Optimal: Focused Learning for Improved Recommendations*

Xiangnan He, Lizi Liao, Hanwang Zhang, Liqiang Nie, Xia Hu and Tat-Seng Chua.  *Neural Collaborative Filtering*

**Recommender Systems 2**

Dimitrios Serbos, Shuyao Qi, Nikos Mamoulis, Evaggelia Pitoura and Panayiotis Tsaparas. *Fairness in Package-to-Group Recommendations*

Nguyen Tuan Anh Pham, Gao Cong and Xutao Li.  *A General Model for Out-of-town Region Recommendation*

Shiyu Chang, Yang Zhang, Jiliang Tang, Dawei Yin, Yi Chang, Mark Hasegawa-Johnson and Thomas Huang.  *Streaming Recommender Systems*

Suhang Wang, Yilin Wang, Jiliang Tang, Kai Shu, Suhas Ranganath and Huan Liu.  *What Your Images Reveal: Exploiting Visual Contents for Point-of-Interest Recommendation*

**Information Cascades**

Rahmtin Rotabi, Krishna Kamath, Jon Kleinberg and Aneesh Sharma.  *Cascades: A View from Audience*

Karol Węgrzycki, Andrzej Pacuk, Piotr Sankowski and Piotr Wygocki.  *Why Do Cascade Sizes Follow a Power-Law?*

Cheng Li, Jiaqi Ma, Xiaoxiao Guo and Qiaozhu Mei.  *DeepCas: an End-to-end Predictor of Information Cascades*

Karthik Subbian, B. Aditya Prakash and Lada Adamic. *Detecting Large Reshare Cascades in Social Networks*

**Ad Auctions**

Vahab Mirrokni and Hamid Nazerzadeh.  *Deals or No Deals: Contract Design for Online Advertising*

Santiago Balseiro, Anthony Kim, Mohammad Mahdian and Vahab Mirrokni.  *Budget Management Strategies in Repeated Auctions*

Ruggiero Cavallo, Rad Niazadeh and Christopher Wilkens. G*SP --- The Cinderella of Mechanism Design*

Alexey Drutsa .  *Horizon-Independent Optimal Pricing in Repeated Auctions with Truthful and Strategic Buyers*

Ruggiero Cavallo, Prabhakar Krishnamurthy, Chris Wilkens and Maxim Sviridenko. *Sponsored Search Auctions with Rich Ads*

**Algorithms and Theory 1**

Yuan Lin, Wei Chen and Zhongzhi Zhang.  *Assessing Percolation Threshold Based on High-Order Non-Backtracking Matrices*

Maximilien Danisch, T-H. Hubert Chan and Mauro Sozio. *Large Scale Density-friendly Graph Decomposition via Convex Programming*

Xinsheng Li, K. Selcuk Candan and Maria Luisa Sapino.  *nTD: Noise Adaptive Tensor Decomposition*

Tsubasa Takahashi, Bryan Hooi and Christos Faloutsos.  *AutoCyclone: Automatic Mining of Cyclic Online Activities with Robust Tensor Factorization*

**Algorithms and Theory 2**

Aneesh Sharma, C. Seshadhri and Ashish Goel. *When Hashes Met Wedges: A Distributed Algorithm for Finding High Similarity Vectors*

Shweta Jain and C. Seshadhri.  *A Fast and Provable Method for Estimating Clique Counts Using Tur\'{a}n's Theorem*

Alessandro Epasto, Silvio Lattanzi, Sergei Vassilvitskii and Morteza Zadimoghaddam. *Submodular Optimization Over Sliding Windows*

Ravi Kumar, Maithra Raghu, Tamas Sarlos and Andrew Tomkins.  *Linear Additive Markov Processes*

**Cloud and Sharing Economy**

Zhixuan Fang, Longbo Huang and Adam Wierman.  *Prices and Subsidies in the Sharing Economy*

Siddhartha Banerjee, Sreenivas Gollapudi, Konstantinos Kollias and Kamesh Munagala. *Segmenting Two-Sided Markets*

Noam Nisan and Gali Noti.  *An Experimental Evaluation of Regret-Based Econometrics*

Cinar Kilcioglu, Justin Rao and Preston McAfee.  *Usage Patterns and the Economics of the Public Cloud*

Thursday 6 April

**Crowdsourcing 1**

Zhijing Li, Ana Nika, Xinyi Zhang, Yanzi Zhu, Yuanshun Yao, Ben Y. Zhao and Haitao Zheng. *Identifying Value in Crowdsourced Wireless Signal Measurements*

Nikhil Garg, Vijay Kamble, Ashish Goel, David Marn and Kamesh Munagala.  *Collaborative Optimization for Collective Decision-making in Continuous Spaces*

Leye Wang, Dingqi Yang, Xiao Han, Tianben Wang, Daqing Zhang and Xiaojuan Ma. *Location Privacy-Preserving Task Allocation for Mobile Crowdsensing with Differential Geo-Obfuscation*

Yaguang Li, Han Su, Ugur Demiryurek, Bolong Zheng, Tieke He and Cyrus Shahabi.  *PaRE: A System for Personalized Route Guidance*

**Crowdsourcing 2**

Seongsoon Kim, Seongwoon Lee, Donghyeon Park and Jaewoo Kang.  *Constructing and Evaluating a Novel Crowdsourcing-based Paraphrased Opinion Spam Dataset*

Abhijnan Chakraborty, Saptarshi Ghosh, Niloy Ganguly and Krishna P. Gummadi. *Optimizing the Recency-Relevancy Trade-off in Online News Recommendations*

Behzad Tabibian, Isabel Valera, Mehrdad Farajtabar, Le Song, Bernhard Schoelkopf and Manuel Gomez Rodriguez.  *Distilling Information Reliability and Source Trustworthiness from Digital Traces*

Srijan Kumar, Justin Cheng, Jure Leskovec and V.S. Subrahmanian. *An Army of Me: Sockpuppets in Online Discussion Communities*

**Machine Learning**

Nate Veldt, Anthony Wirth and David Gleich.  *Correlation Clustering with Low-Rank Matrices*

Wei Wu, Bin Li, Ling Chen and Chengqi Zhang.  *Consistent Weighted Sampling Made More Practical*

Jan Deriu, Aurelien Lucchi, Martin Jaggi, Valeria De Luca, Mark Cieliebak, Aliaksei Severyn, Thomas Hofmann and Simon Müller.  *Leveraging large amounts of weakly supervised data for multi-language sentiment classification*

Ping Li and Cun-Hui Zhang.  *Theory of the GMM Kernel*

**Security 1**

Milivoj Simeonovski, Giancarlo Pellegrino, Christian Rossow and Michael Backes.  *Who Controls the Internet? Analyzing Global Threats using Property Graph Traversals*

Rebecca S Portnoff, Sadia Afroz, Greg Durrett, Jonathan K Kummerfeld, Taylor Berg-Kirkpatrick, Damon McCoy, Kirill Levchenko and Vern Paxson.  *Automated Analysis of Cybercriminal Markets*

Qian Cui, Guy-Vincent Jourdan, Gregor Bochmann, Russell Couturier and Vio Onut. *Tracking Phishing Attacks Over Time*

Deepak Kumar, Zane Ma, Zakir Durumeric, Ariana Mirian, Joshua Mason, Michael Bailey and J. Alex Halderman.  *Security Challenges in an Increasingly Tangled Web*

**Security 2**

Chaoshun Zuo and Zhiqiang Lin.  *Exposing Server URLs of Mobile Apps With Selective Symbolic Execution*

Dolière Francis Some, Nataliia Bielova and Tamara Rezk.  *On the Content Security Policy violations due to the Same-Origin Policy*

Adam Bates, Wajih Ul Hassan, Kevin Butler, Alin Dobra, Brad Reaves, Patrick Cable, Thomas Moyer and Nabil Schear.  *Transparent Web Service Auditing via Network Provenance Functions*

Kyungtae Kim, I Luk Kim, Chung Hwan Kim, Yonghwi Kwon, Yunhui Zheng, Xiangyu Zhang and Dongyan Xu.  *J-Force: Forced Execution on JavaScript*

**Spam Detection**

Yuli Liu, Yiqun Liu, Ke Zhou, Min Zhang and Shaoping Ma.  *Detecting Collusive Spamming Activities in Community Question Answering*

Neil Shah.  *FLOCK: Combating Astroturfing on Livestreaming Platforms*

David Freeman. *Can you spot the fakes? On the limitations of user feedback in online social networks*

Huayi Li, Geli Fei, Shuai Wang, Bing Liu, Weixiang Shao, Arjun Mukherjee and Jidong Shao. *Bimodal Distribution and Co-Bursting in Review Spam Detection*

**Computational Health 4**

Xiaohan Li and Shu Wu.  *Blood Pressure Prediction via Recurrent Models with Contextual Layer*

Vasileios Lampos, Bin Zou and Ingemar Cox.  *Enhancing feature selection using word embeddings: The case of flu surveillance*

Kathy Lee, Ashequl Qadir, Sadid A. Hasan, Vivek Datla, Aaditya Prakash, Joey Liu and Oladimeji Farri.  *Adverse Drug Event Detection in Tweets with Semi-Supervised Convolutional Neural Networks*

Yoshihiko Suhara, Yinzhan Xu and Alex 'Sandy' Pentland.  *DeepMood: Forecasting Depressed Mood Based on Self-Reported Histories via Recurrent Neural Network*

**User Modeling 1**

Zheqian Chen, Ben Gao, Huimin Zhang, Zhou Zhao and Deng Cai.  *User Personalized Satisfaction Prediction via Multiple Instance Deep Learning*

Dimitar Dimitrov, Philipp Singer, Florian Lemmerich and Markus Strohmaier.  **What Makes a Link Successful on Wikipedia?**

Jack Hessel, Lillian Lee and David Mimno.  *Cats and Captions vs. User Characteristics and the Clock: A Time-Controlled Analysis of Multimodal Content*

Lin Gong, Benjamin Haines and Hongning Wang.  *Clustered Model Adaptation for Personalized Sentiment Analysis*

**User Modeling 2**

Chao-Yuan Wu, Amr Ahmed, Gowtham Ramani Kumar and Ritendra Datta.  *Predicting Latent Structured Intents from Shopping Queries*

Mengting Wan, Di Wang, Matt Goldman, Matt Taddy, Justin Rao, Jie Liu, Dimitrios Lymberopoulos and Julian McAuley.  *Modeling Consumer Preferences and Price-Sensitivities from Large-Scale Grocery Shopping Transaction Logs*

Chanyoung Park, Donghyun Kim, Jinoh Oh and Hwanjo Yu.  *Do "Also-Viewed" Products Help User Rating Prediction?*

Ying-Chun Lin, Chi-Hsuan Huang, Chu-Cheng Hsieh, Yu-Chen Shu and Kun-Ta Chuang. *Monetary Discount Strategies for Real-Time Promotion Campaign*

**Social 1**

Minh Hoang, Ambuj Singh, Xuan-Hong Dang, Xiang Wu and Zhenyu Yan. *GPOP: Scalable Group-level Popularity Prediction for Online Content in Social Networks*

Marian-Andrei Rizoiu, Lexing Xie, Scott Sanner, Manuel Cebrian, Honglin Yu and Pascal Van Henteryck.  *Expecting to be HIP: Hawkes Intensity Processes for Social Media Popularity*

Andres Abeliuk, Gerardo Berbeglia, Pascal Van Hentenryck, Tad Hogg and Kristina Lerman.*Taming the Unpredictability of Cultural Markets with Social Influence*

Julia Proskurnia, Carlos Castillo, Philippe Cudre-Mauroux, Przemyslaw Grabowicz, Ryota Kobayashi and Karl Aberer.  *Predicting the Success of Online Petitions Leveraging Multidimensional Time-Series*

**Social 2**

Gilad Asharov, Francesco Bonchi, David Garcia Soriano and Tamir Tassa.  *Secure Centrality Computation Over Multiple Networks*

Takanori Maehara, Hirofumi Suzuki and Masakazu Ishihata.  *Exact Computation of Influence Spread by Binary Decision Diagram*

Wei Chen and Shang-Hua Teng.  *Interplay between Social Influence and Network Centrality: A Comparative Study on Shapley Centrality and Single-Node-Influence Centrality*

Naoto Ohsaka and Yuichi Yoshida.  *Portfolio Optimization for Influence Spread*

**Social 3**

Enrico Mariconti, Jeremiah Onaolapo, Sharique Ahmad, Nicolas Nikiforou, Manuel Egele, Nick Nikiforakis and Gianluca Stringhini.  *What's in a Name? Understanding Profile Name Reuse on Twitter*

Brunella Spinelli, Laura Elisa Celis and Patrick Thiran.  *Back to the Source: An Online Approach for Sensor Placement and Source Localization*

Muhammad Bilal Zafar, Isabel Valera, Manuel Gomez Rodriguez and Krishna P. Gummadi. *Fairness Beyond Disparate Treatment & Disparate Impact: Learning Classification without Disparate Mistreatment*

Claudia Wagner, Philipp Singer, Fariba Karimi, Jürgen Pfeffer and Markus Strohmaier. *Sampling from social networks with attributes*

Zhengxing Chen, Su Xue, John Kolen, Navid Aghdaie, Kazi Zaman, Yizhou Sun and Magy Seif El-Nasr.  *EOMM: An Engagement Optimized Matchmaking Framework*

**Semantics and Knowledge**

Simon Walk, Lisette Espín-Noboa, Denis Helic, Markus Strohmaier and Mark Musen. *How Users Explore Ontologies on the Web: A Study of NCBO's BioPortal Usage Logs*

Hyeongsik Kim, Padmashree Ravindra and Kemafor Anyanwu.  *Type-based Semantic Optimization for Scalable RDF Graph Pattern Matching*

Marco Brambilla, Stefano Ceri, Emanuele Della Valle, Riccardo Volonterio and Felix Javier Acero Salazar. *Extracting Emerging Knowledge from Social Media*

Cuong Xuan Chu, Niket Tandon and Gerhard Weikum.  *Distilling Task Knowledge from How-To Communities*

Jiani Zhang, Xingjian Shi, Irwin King and Dit-Yan Yeung.  *Key-Value Memory Networks for Knowledge Tracing*

**Information Extraction**

Ido Guy, Avihai Mejer, Alexander Nus and Fiana Raiber.  *Extracting and Ranking Travel Tips from User-Generated Reviews*

Mayank Kejriwal and Pedro Szekely.  *Information Extraction in Illicit Web Domains*

Alexander Konovalov, Benjamin Strauss, Alan Ritter and Brendan O'Connor. Learning to Extract Events from Knowledge Base Revisions

Xiang Ren, Zeqiu Wu, Wenqi He, Meng Qu, Clare Voss, Heng Ji, Tarek Abdelzaher and Jiawei Han.  *CoType: Joint Extraction of Typed Entities and Relations with Knowledge Bases*

**Question Answering and Topic Modeling**

Abdalghani Abujabal, Mohamed Yahya, Mirek Riedewald and Gerhard Weikum. *Automated Template Generation for Question Answering over Knowledge Graphs*

Long Chen, Joemon Jose, Haitao Yu and Fajie Yuan.  *A Semantic Graph-Based Approach for Mining Common Topics From Multiple Asynchronous Text Streams*

Denis Lukovnikov, Asja Fischer and Sören Auer.  *Neural Network-based Question Answering over Knowledge Graphs on Word and Character Level*

Wei Emma Zhang, Quan Z. Sheng, Ermyas Abebe and Jey Han Lau.  *Detecting Duplicate Posts in Programming QA Communities via Latent Semantics and Associations Rules*

Friday 7 April

**Privacy 1**

Camille Cobb and Tadayoshi Kohno.  *How Public Is My Private Life? Privacy in Online Dating*

Fengli Xu, Zhen Tu, Yong Li, Pengyu Zhang, Xiaoming Fu and Depeng Jin.  *Trajectory Recovery From Ash: User Privacy Is NOT Preserved in Aggregated Mobility Data*

Iskander Sanchez-Rola, Davide Balzarotti and Igor Santos.  *The Onions Have Eyes: A Comprehensive Structure and Privacy Analysis of the Dark Web*

Jessica Su, Ansh Shukla, Sharad Goel and Arvind Narayanan.  *Deanonymizing Web Browsing Data With Social Networks*

**Privacy 2**

Danny Yuxing Huang, Doug Grundman, Kurt Thomas, Elie Bursztein, Abhishek Kumar, Kirill Levchenko and Alex Snoeren.  *Pinning Down Abuse on Google Maps*

Oleksii Starov and Nick Nikiforakis.  *Extended Tracking Powers: Measuring the Privacy Diffusion Enabled by Browser Extensions*

Li Chang, Hsu-Chun Hsiao, Wei Jeng, Tiffany Hyun-Jin Kim and Wei-Hsi Lin.  *Security Implications of Redirection Trail in Popular Websites Worldwide*

Milijana Surbatovich, Jassim Aljuraidan, Lujo Bauer, Anupam Das and Limin Jia.  *Some Recipes Can Do More Than Spoil Your Appetite: Analyzing the Security and Privacy Risks of IFTTT Recipes*

**Graph Algorithms**

Ali Pinar, C. Seshadhri and V. Vishal.  *ESCAPE: Efficiently Counting All 5-Vertex Subgraphs*

Priya Govindan, Chenghong Wang, Chumeng Xu, Hongyu Duan and Sucheta Soundarajan.  *The k-peak decomposition: Mapping the global structure of graphs*

Charalampos Tsourakakis, Jakub Pachocki and Michael Mitzenmacher.  *Scalable motif-aware graph clustering*

Aaron Archer, Silvio Lattanzi, Peter Likarish and Sergei Vassilvitskii.  *Indexing Public-Private Graphs*

**Web Search**

Chenyan Xiong, Russell Power and Jamie Callan.  *Explicit Semantic Ranking for Academic Search via Knowledge Graph Embedding*

Sourav Dutta, Pratik Nayek and Arnab Bhattacharya.  *Neighbor-Aware Search for Approximate Labeled Graph Matching using the Chi-Square Statistics*

Bhaskar Mitra, Fernando Diaz and Nick Craswell.  *Learning to Match using Local and Distributed Representations of Text for Web search*

Alexey Drutsa, Gleb Gusev and Pavel Serdyukov.  *Using the Delay in a Treatment Effect to Improve Sensitivity and Preserve Directionality of Engagement Metrics in A/B Experiments*

**Email and personal search**

Hamed Zamani, Michael Bendersky, Xuanhui Wang and Mingyang Zhang.  *Situational Context for Ranking in Personal Search*

Qingyao Ai, Susan Dumais, Nick Craswell and Dan Liebling.  *Characterizing Email Search using Large-scale Behavioral Logs and Surveys*

Julia Proskurnia, Marc-Allen Cartright, Lluis Garcia-Pueyo, Ivo Krka, James Wendt, Tobias Kaufmann and Balint Miklos.  *Template Induction Over Plain Text Corpora*

David Carmel, Liane Lewin-Eytan, Alexander Libov, Yoelle Maarek and Ariel Raviv.  *The Demographics of Mail Search and their Application to Query Suggestion*

David Carmel, Liane Lewin-Eytan, Alexander Libov, Yoelle Maarek and Ariel Raviv. *Promoting Relevant Results in Time-Ranked Mail Search*

**User Modeling 3**

Qian Zhao, Yue Shi and Liangjie Hong.  *GB-CENT: Gradient Boosted Categorical Embedding and Numerical Trees*

Jun Hu and Ping Li.  *Decoupled Collaborative Ranking*

Avradeep Bhowmik and Joydeep Ghosh.  *LETOR Methods for Unsupervised Rank Aggregation*

Immanuel Bayer, Xiangnan He, Bhargav Kanagal and Steffen Rendle.  *A Generic Coordinate Descent Framework for Learning from Implicit Feedback*

**User Modeling 4**

Jinyuan Jia, Binghui Wang, Le Zhang and Neil Zhenqiang Gong. *AttriInfer: Inferring User Attributes in Online Social Networks Using Markov Random Fields*

Ajaya Neupane, Nitesh Saxena and Leanne Hirshfield.  *Neural Underpinnings of Website Legitimacy and Familiarity Detection: An fNIRS Study*

Sungchul Kim, Nikhil Kini, Jay Pujara, Eunyee Koh and Lise Getoor.  *Probabilistic Visitor Stitching on Cross-Device Web Logs*

Philipp Singer, Florian Lemmerich, Robert West, Leila Zia, Ellery Wulczyn, Markus Strohmaier and Jure Leskovec.  *Why We Read Wikipedia*

**Social 4**

Roy Ka-Wei Lee, Tuan-Anh Hoang and Ee-Peng Lim.  *On Analyzing User Topic-Specific Platform Preferences Across Multiple Social Media Sites*

Rahmtin Rotabi, Cristian Danescu-Niculescu-Mizil and Jon Kleinberg.  *Competition and Selection Among Conventions*

George Berry and Sean Taylor.  *Discussion quality diffuses in the digital public square*

Liye Fu, Lillian Lee and Cristian Danescu-Niculescu-Mizil.  *When confidence and competence collide: Effects on online decision-making discussions*

**Social 5**

Xiaokai Wei, Linchuan Xu, Bokai Cao and Philip S. Yu.  *Cross View Link Prediction by Learning Noise-resilient Representation Consensus*

Minglai Shao, Jianxin Li, Feng Chen, Hongyi Huang, Shuai Zhang and Xunxun Chen.  *An Efficient Approach to Event Detection and Forecasting in Dynamic Multivariate Social Media Networks*

Xin Wang, Steven Hoi, Martin Ester, Jiajun Bu and Chun Chen. *Learning Personalized Preference of Strong and Weak Ties for Social Recommendation*

Xiang Li, Yao Wu, Martin Ester, Ben Kao, Xin Wang and Yudian Zheng.  *Semi-supervised Clustering in Attributed Heterogeneous Information Networks*

**Web Mining**

Dominik Kowald, Subhash Pujari and Elisabeth Lex.  *Temporal Effects on Hashtag Reuse in Twitter: A Cognitive-Inspired Hashtag Recommendation Approach*

Ellery Wulczyn, Nithum Thain and Lucas Dixon.  *Ex Machina: Personal Attacks Seen at Scale*

Sihem Amer-Yahia, Sofia Kleisarchaki, Naresh Kumar Kolloju, Laks V.S. Lakshmanan and Ruben H. Zamar.  *Exploring Rated Datasets with Rating Maps*

Charalampos Mavroforakis, Isabel Valera and Manuel Gomez Rodriguez.  *Modeling the Dynamics of Learning Activity on the Web*