



**27th ACM International Conference on Information and  
Knowledge Management  
CIKM 2018**

**Centro Congressi Lingotto, Turin, Italy  
Program – Wednesday, 24 October 2018  
04:45PM-07:00PM**



**Short/Demo/Case Study-Industry Sessions 2S, 2M, 2I**

<b>04:45-07:00</b>	<b>Session 2S: Short Papers 2 Area: Nizza</b>	
	<i>Shreya Rajpal, Aditya Parameswaran</i> “Holistic Crowd-Powered Sorting via AID: Optimizing for Accuracies, Inconsistencies, and Difficulties”	
	<i>Jianming Lv, Jiajie Zhong, Weihang Chen, Qinzhe Xiao, Zhenguo Yang, Qing Li</i> “Homepage Augmentation by Predicting Links in Heterogeneous Networks”	
	<i>Alan Medlar, Dorota Glowacka</i> “How Consistent is Relevance Feedback in Exploratory Search?”	
	<i>Dhruv Khattar, Vaibhav Kumar, Vasudeva Varma, Manish Gupta</i> “HRAM : A Hybrid Recurrent Attention Machine for News Recommendation”	
	<i>Roman Vainshtein, Asnat Greenstein-Messica, Gilad Katz, Bracha Shapira, Lior Rokach</i> “A Hybrid Approach for Automatic Model Recommendation”	
	<i>Huizhe Wu, Wei Zhang, Weiwei Shen, Jun Wang</i> “Hybrid Deep Sequential Modeling for Social Text-Driven Stock Prediction”	
	<i>Fangzhao Wu, Chuhan Wu, Junxin Liu</i> “Imbalanced Sentiment Classification with Multi-Task Learning”	
	<i>Ebrahim Bagheri, Faezeh Ensan, Feras Al-Obeidat</i> “Impact of Document Representation on Neural Ad Hoc Retrieval”	
	<i>Vít Novotný</i> “Implementation Notes for the Soft Cosine Measure”	
	<i>Yi Zhang, Jianguo Lu, Ofer Shai (Chan Zuckerberg Initiative Inc.)</i> “Improve Network Embeddings with Regularization”	
	<i>Jasper Linmans, Bob van de Velde, Evangelos Kanoulas</i> “Improved and Robust Controversy Detection in General Web Pages Using Semantic Approaches under Large Scale Conditions”	
	<i>Minsu Kwon, Han-Gyu Kim, Ho-Jin Choi</i> “Improving Low-Rank Matrix Completion with Self-Expressiveness”	
	<i>Yingmei Chen, Zhongyu Wei</i> “Incorporating Corporation Relationship via Graph Convolutional Neural Networks for Stock Price Prediction”	
	<i>Darío Garigliotti, Krisztian Balog</i> “IntentsKB: A Knowledge Base of Entity-Oriented Search Intents”	
	<i>Jianlong Wu, Zhouchen Lin, Hongbin Zha</i> “Joint Dictionary Learning and Semantic Constrained Latent Subspace Projection for Cross-Modal Retrieval”	
	<i>Liron Allerhand, Brit Youngmann, Elad Yom-Tov, David Arkadir</i> “Detecting Parkinson's Disease from Interactions with a Search Engine: Is Expert Knowledge Sufficient?”	
	<i>Weijie Zhu, Chen Chen, Xiaoyang Wang, Xuemin Lin</i> “K-Core Minimization: An Edge Manipulation Approach”	
	<i>Aditya Pal, Deepayan Chakrabarti</i> “Label Propagation with Neural Networks”	
	<i>Jorge David Gonzalez Paule, Yashar Moshfeghi, Craig Macdonald, Iadh Ounis</i>	

	<i>"Learning to Geolocalise Tweets at a Fine-Grained Level"</i>	
	<i>Binbin Hu, Chuan Shi, Wayne Xin Zhao, Tianchi Yang</i> <i>"Local and Global Information Fusion for Top-N Recommendation in Heterogeneous Information Network"</i>	
	<i>Bin Liang, Zhidong Li, Yang Wang, Fang Chen</i> <i>"Long-Term RNN: Predicting Hazard Function for Proactive Maintenance of Water Mains"</i>	
	<i>André Mourão, João Magalhães</i> <i>"Low-Complexity Supervised Rank Fusion Models"</i>	
	<i>Shreshtha Mundra, Sachin Kumar, Manjira Sinha, Sandya Mannarswamy</i> <i>"Mining &amp; Summarizing E-Petitions for Enhanced Understanding of Public Opinion"</i>	
	<i>Joao Palotti, Guido Zuccon, Allan Hanbury</i> <i>"MM: A new Framework for Multidimensional Evaluation of Search Engines"</i>	
	<i>Qiaolin Xia, Peng Jiang, Fei Sun, Yi Zhang, Xiaobo Wang</i> <i>"Modeling Consumer Buying Decision for Recommendation Based on Multi-Task Deep Learning"</i>	
	<i>Chia-An Yu, Ching-Lun Tai, Tak-Shing Chan, Yi-Hsuan Yang</i> <i>"Modeling Multi-way Relations with Hypergraph Embedding"</i>	
	<i>Noa Avigdor-Elgrabli, Roei Gelbart, Irena Grabovitch-Zuyev, Ariel Raviv</i> <i>"More than Threads: Identifying Related Email Messages"</i>	
	<i>Zhao Zhang, Fuzhen Zhuang, Zheng-Yu Niu, Qing He</i> <i>"MultiE: Multi-Task Embedding for Knowledge Base Completion"</i>	
	<i>Shuo Wang, Xiaofeng Meng</i> <i>"Multi-Emotion Category Improving Embedding for Sentiment Classification"</i>	
	<i>Xiaofei Zhu, Khoi Duy Vo, Jiafeng Guo, Jianwu Long</i> <i>"Multiple Manifold Regularized Sparse Coding for Multi-View Image Clustering"</i>	
	<i>Runlong Yu, Yunzhou Zhang, Yuyang Ye, Le Wu, Chao Wang, Qi Liu, Enhong Chen</i> <i>"Multiple Pairwise Ranking with Implicit Feedback"</i>	
	<i>Yan Xiao, Jiafeng Guo, Yanyan Lan, Jun Xu, Xueqi Cheng</i> <i>"Neighborhood Voting: A Novel Search Scheme for Hashing"</i>	
<b>04:45-07:00</b>	<b>Session 2M: Demonstration Papers 2</b> <b>Area: Nizza</b>	
	<i>Kevin Villalobos, Borja Diez, Arantza Illarramendi, Alfredo Goñi, José Miguel Blanco</i> <i>"I4TSRS: A System to Assist a Data Engineer in Time-Series Dimensionality Reduction in Industry 4.0 Scenarios"</i>	
	<i>Brit Youngmann, Shay Gershtein, Tova Milo, Gal Zeevi</i> <i>"IM-Balanced: Influence Maximization Under Balance Constraints"</i>	
	<i>Petr Sojka, Michal Ružicka, Vít Novotný</i> <i>"MIaS: Math-Aware Retrieval in Digital Mathematical Libraries"</i>	
	<i>Elem Guzel Kalayci, Guohui Xiao, Vladislav Ryzhikov, Tahir Emre Kalayci, Diego Calvanese</i> <i>"Ontop-Temporal: A Tool for Ontology-Based Query Answering over Temporal Data"</i>	
	<i>Caitlin Kuhlman, Maryann Vanvalkenburg, Diana Doherty, Malika Nurbekova, Goutham Deva, Zarni Phyo, Elke Rundensteiner, Lane Harrison</i> <i>"Preference-Driven Interactive Ranking System for Personalized Decision Support"</i>	
	<i>Daniel Deutch, Yehonatan Ginzberg, Tova Milo</i> <i>"Preserving Privacy of Fraud Detection Rule Sharing Using Intel's SGX"</i>	
	<i>Harrisen Scells, Guido Zuccon</i> <i>"searchrefiner: A Query Visualisation and Understandability Tool for Systematic Reviews"</i>	

	<i>Issac Buenrostro, Abhishek Tiwari, Vasanth Rajamani, Erman Pattuk, Zhixiong Chen</i> "Single-Setup Privacy Enforcement for Heterogeneous Data Ecosystems"	
	<i>Edward Abel, John Keane, Norman Paton, Alvaro Fernandes, Martin Koehler, Nikolaos Konstantinou, Nurzety Azuan, Suzanne Embury</i> "SOURCERY: User Driven Multi-Criteria Source Selection"	
	<i>Oleksandra Levchenko, Djamel-Edine Yagoubi, Reza Akbarinia, Florent Maseglia, Boyan Kolev, Dennis Shasha</i> "Spark-parSketch: A Massively Distributed Indexing of Time Series Datasets"	
	<i>Agus Trisnajaya Kwee, Meng-Fen Chiang, Philips Kokoh Prasetyo, Ee-Peng Lim</i> "Traffic-Cascade: Mining and Visualizing Lifecycles of Traffic Congestion Events Using Public Bus Trajectories"	
	<i>Jian Kang, Scott Freitas, Haichao Yu, Yinglong Xia, Nan Cao, Hanghang Tong</i> "X-Rank: Explainable Ranking in Complex Multi-Layered Networks"	
	<i>Varvara Kalokyri, Alexander Borgida, Amelie Marian</i> "YourDigitalSelf: A Personal Digital Trace Integration Tool"	
<b>04:45-07:00</b>	<b>Session 2I: Case Study and Industry Papers 2</b> <b>Area: Nizza</b>	
	<i>Ziqi Liu, Chaochao Chen, Xinxing Yang, Jun Zhou, Xiaolong Li, Le Song</i> "Heterogeneous Graph Neural Networks for Malicious Account Detection"	
	<i>Tiezheng Ge, Liqin Zhao, Guorui Zhou, Keyu Chen, Shuying Liu, Huiming Yi, Zelin Hu, Bochao Liu, Peng Sun, Haoyu Liu, Pengtao Yi, Sui Huang, Zhiqiang Zhang, Xiaoqiang Zhu, Yu Zhang, Kun Gai (Alibaba Inc.)</i> "Image Matters: Visually Modeling User Behaviors Using Advanced Model Server"	
	<i>Meng-Fen Chiang, Ee-Peng Lim, Wang-Chien Lee, Tuan-Anh Hoang</i> "Inferring Trip Occupancies in the Rise of Ride-Hailing Services"	
	<i>Sahin Cem Geyik, Vijay Dialani, Meng Meng, Ryan Smith</i> "In-Session Personalization for Talent Search"	
	<i>Jingbo Shang, Jiaming Shen, Tianhang Sun, Xingbang Liu, Anja Gruenheid, Flip Korn, Adam Lelkes, Cong Yu, Jiawei Han</i> "Investigating Rumor News Using Agreement-Aware Search"	
	<i>Jiaming Shen, Maryam Karimzadehgan, Michael Bendersky, Zhen Qin, Donald Metzler</i> "Multi-Task Learning for Email Search Ranking with Auxiliary Query Clustering"	
	<i>Yukun Ding, Jinglan Liu, Jinjun Xiong, Meng Jiang, Yiyu Shi</i> "Optimizing Boiler Control in Real-Time with Machine Learning for Sustainability"	
	<i>Yanbo Liang, Yongyang Yu, Mingjie Tang, Chaozhuo Li, Weiqing Yang, Weichen Xu, Ruifeng Zheng</i> "Optimizing Generalized Linear Models with Billions of Variables"	
	<i>Mark Wilhelm, Ajith Ramanathan, Alexander Bonomo, Sagar Jain, Ed H. Chi, Jennifer Gillenwater</i> "Practical Diversified Recommendations on YouTube with Determinantal Point Processes"	
	<i>Charles Chen, Sungchul Kim, Hung Bui, Ryan Rossi, Eunyee Koh, Branislav Kveton, Razvan Bunescu</i> "Predictive Analysis by Leveraging Temporal User Behavior and User Embeddings"	
	<i>Jun Xu, Siqi Shen, Dongsheng Li, Yongquan Fu</i> "A Network-Embedding Based Method for Author Disambiguation"	