



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

**CIKM 2018**

**Centro Congressi Lingotto, Turin, Italy**

**Program – Thursday, 25 October 2018**

**10:30AM-12:10PM**

**Research Sessions 7A, 7B, 7C, 7D, 7E**



<b>10:30-12:10</b>	<b>Session 7A: Social Data Analytics 2</b> <b>Chair: Ruocheng Guo</b> <b>Room: 500</b>	
10:30-10:55	<i>Francesco Bonchi, Francesco Gullo, Bud Mishra, Daniele Ramazzotti</i> “Probabilistic Causal Analysis of Social Influence”	
10:55-11:20	<i>Yun Liu, Xiaoming Zhang, Feiran Huang, Zhoujun Li</i> “Adversarial Learning of Answer-Related Representation for Visual Question Answering”	
11:20-11:45	<i>Shaojie Tang</i> “Stochastic Coupon Probing in Social Networks”	
11:45-12:10	<i>Yaroslav Nechaev, Francesco Corcoglioniti, Claudio Giuliano</i> “Type Prediction Combining Linked Open Data and Social Media”	
<b>10:30-12:10</b>	<b>Session 7B: Stream Analytics 2</b> <b>Chair: Eirini Ntoutsi</b> <b>Room: Londra</b>	
10:30-10:55	<i>Mirela Teixeira Cazzolato, Agma Juci Machado Traina, Klemens Böhm</i> “Efficient and Reliable Estimation of Cell Positions”	
10:55-11:20	<i>Bo Tang, Hongyin Tang, Xinzhou Dong, Beihong Jin, Tingjian Ge</i> “On Real-Time Detecting Passenger Flow Anomalies”	
11:20-11:45	<i>Alican Büyükçakir, Hamed Bonab, Fazli Can</i> “A Novel Stacked Ensemble for Multi-Label Stream Classification”	
11:45-12:10	<i>Xian Wu, Baoxu Shi, Yuxiao Dong, Chao Huang, Louis Faust, Nitesh V. Chawla</i> “RESTful: Resolution-Aware Forecasting of Behavioral Time Series Data”	
<b>10:30-12:10</b>	<b>Session 7C: Hardware Approaches</b> <b>Chair: Marc Najork</b> <b>Room: Madrid</b>	
10:30-10:55	<i>Jun-Gi Jang, Dongjin Choi, Jinhong Jung, U Kang</i> “Zoom-SVD: Fast and Memory Efficient Method for Extracting Key Patterns in an Arbitrary Time Range”	
10:55-11:20	<i>Dongha Lee, Jinoh Oh, Christos Faloutsos, Byungju Kim, Hwanjo Yu</i> “Disk-Based Matrix Completion for Memory Limited Devices”	
11:20-11:45	<i>Yong Zhuang, Yuchin Juan, Guo-Xun Yuan, Chih-Jen Lin</i> “Naive Parallelization of Coordinate Descent Methods and an Application on Multi-Core L1-Regularized Classification”	
11:45-12:10	<i>Hao Li, Kenli Li, Jiyao An, Keqin Li</i> “CUSNTF: A Scalable Sparse Non-Negative Tensor Factorization Model for Large-Scale Industrial Applications on Multi-GPU”	
<b>10:30-12:10</b>	<b>Session 7D: Recommendation 2</b> <b>Chair: Sihem Amer-Yahia</b> <b>Room: Roma</b>	
10:30-10:55	<i>Rischan Mafrur, Mohamed A. Sharaf, Hina A. Khan</i> “DiVE:Diversifying View Recommendation for Visual Data Exploration”	
10:55-11:20	<i>Mengting Wan, Di Wang, Jie Liu, Paul N. Bennett, Julian McAuley</i> “Representing and Recommending Shopping Baskets with Complementarity, Compatibility, and Loyalty”	

11:20-11:45	<i>Wang-Cheng Kang, Mengting Wan, Julian McAuley</i> "Recommendation Through Mixtures of Heterogeneous Item Relationships"	
11:45-12:10	<i>Ziwei Zhu, Xia Hu, James Caverlee</i> "Fairness-Aware Tensor-Based Recommendation"	
<b>10:30-12:10</b>	<b>Session 7E: Interactive Information Retrieval 2</b> <b>Chair: Min Zheng</b> <b>Room: Parigi</b>	
10:30-10:55	<i>Xiaoyu Liu, Shunda Pan, Qi Zhang, Yu-Gang Jiang, Xuanjing Huang</i> "Generating Keyword Queries for Natural Language Queries to Alleviate Lexical Chasm Problem"	
10:55-11:20	<i>Saeid Balaneshinkordan, Alexander Kotov, Fedor Nikolaev</i> "Attentive Neural Architecture for Ad-Hoc Structured Document Retrieval"	
11:20-11:45	<i>Seyyed Hadi Hashemi, Kyle Williams, Ahmed El Kholy, Imed Zitouni, Paul Crook</i> "Measuring User Satisfaction on Smart Speaker Intelligent Assistants Using Intent Sensitive Query Embeddings"	
11:45-12:10	<i>Seyyed Hadi Hashemi, Kyle Williams, Ahmed El Kholy, Imed Zitouni, Paul A. Crook</i> "Impact of Domain and User's Learning Phase on Task and Session Identification in Smart Speaker Intelligent Assistants"	