



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

CIKM 2018

Centro Congressi Lingotto, Turin, Italy

Program – Monday, 22 October 2018

09:00AM-10:40AM

**Workshops: 1DAB, 1DTMBio, 1EYRE, 1GLARE,
1INRA, 1KDAH, 1LeDAM, 1RDSM, 1SIR**



09:00-10:40	International Workshop on Data and Algorithm Bias (DAB 2018) Room: Dublino	
09:00-09:10	<i>TBA</i> Workshop Opening	
09:10-09:40	Keynote: Carlos Castillo “TBA” Chair: TBA	
09:40-10:40	Session 1DAB Chair: TBA	
09:40-10:00	<i>Virginia Tsintzou, Evaggelia Pitoura, Panayiotis Tsaparas</i> “Bias Disparity in Recommendation Systems”	
10:00-10:20	<i>Joao Costa, Flavio Fuart, Evgenia Belyaeva, Gregor Leban, Aljaž Košmerlj, Dunja Mladenić, Marko Grobelnik</i> “Health News Media Bias, Public Health and Digital Epidemiology”	
10:20-10:40	<i>Meike Zehlike</i> “Reducing Disparate Exposure in Learning to Rank”	
09:00-10:40	12th International Workshop on Data and Text Mining Biomedical Informatics (DTMBio 2018) Room: Lisbona	
09:00-09:10	<i>Doheon Lee</i> Workshop Opening	
09:10-09:40	Keynote: Namshik Han “New Trend in Therapeutics Research: Computational Biology for Identifying Novel Therapeutic Targets, Biomarkers and Drug Repositioning Opportunities” Chair: Yongdeuk Hwang	
09:40-10:40	Session 1DTMBio Chair: Hyojung Paik	
09:40-10:00	<i>Xiaoyuan Zhou, Valentina Devescovi, Yuanhua Liu, Jennifer Dent, Christine Nardini</i> “Host-Microbiome Synergistic Control on Sphingolipid Metabolism by Mechanotransduction in Model Arthritis”	
10:00-10:20	<i>Zolzaya Dashdorj, Min Song</i> “Relation Classification by Convolutional Neural Networks with Highlighted Features”	
10:20-10:40	<i>Jihoon Jo, Sunkyung Choi, Jooseong Oh, Sung-Gwon Lee, Song Yi Choi, Kee K. Kim, Chungoo Park</i> “Conventionally Used Reference Genes are not Outstanding for Normalization of Gene Expression in Human Cancer Research”	
09:00-10:40	1st International Workshop on Entity REtrieval (EYRE 2018) Room: Copenhagen	
09:00-09:10	<i>Gong Cheng</i> Workshop Opening	
09:10-10:40	Session 1EYRE	

	Chair: Gong Cheng	
09:10-09:30	<i>Takahiro Komamizu</i> "Graph Analytical Re-Ranking for Entity Search"	
09:30-09:50	<i>Shahrzad Naseri, John Foley, James Allan, Brendan T. O'Connor</i> "Exploring Summary-Expanded Entity Embeddings for Entity Retrieval"	
09:50-10:10	<i>Yongjae Lee, Seungwon Shin</i> "Toward Semantic Assessment of Vulnerability Severity: A Text Mining Approach"	
10:10-10:40	Shared Task Discussion "Entity Summarization"	
09:00-10:40	1st International Workshop on Generalization in informAtion REtrieval (GLARE 2018) Room: Oslo	
09:00-09:10	<i>Nicola Ferro</i> Workshop Opening	
09:10-09:35	Keynote: <i>Justin Zobel</i> "Proxies and Decoys: Assumptions, Approximations, and Artefacts in Measurement of Search Systems" Chair: Ian Soboroff	
09:35-10:40	Session 1GLARE Chair: Ian Soboroff	
09:35-09:55	<i>Nicola Ferro</i> Workgroups and Discussion	
09:55-10:10	<i>Amir Ingber, Arnon Lazerson, Liane Lewin-Eytan, Alexander Libov, Eliyahu Oshrovich</i> "The Challenges of Moving from Web to Voice in Product Search"	
10:10-10:25	<i>Amir Ingber, Liane Lewin-Eytan, Alexander Libov, Yoelle Maarek, Eliyahu Oshrovich</i> "Offline vs. Online Evaluation in Voice Product Search"	
10:25-10:40	<i>Norbert Fuhr</i> "Causality, Prediction and Improvements that (don't) Add Up"	
09:00-10:40	6th International Workshop on News Recommendation and Analytics (INRA 2018) Room: Atene	
09:00-09:10	<i>Özlem Özgöbek</i> Workshop Opening	
09:10-09:40	Keynote 1: <i>Frank Hopfgartner</i> "News Retrieval and Recommendation Initiatives" Chair: Benjamin Kille	
09:40-10:40	Session 1INRA Chair: Benjamin Kille	
09:40-10:00	<i>Jianan Yao, Alexander G. Hauptmann</i> "News Recommendation and Filter Bubble"	
10:00-10:20	<i>Roshni Chakraborty, Abhijeet Kharat, Apalak Khatua, Sourav Kumar Dandapat, Joydeep Chandra</i> "Predicting Tomorrow's Headline using Today's Twitter Deliberation"	
10:20-10:40	<i>Sora Lim, Adam Jatowt, Masatoshi Yoshikawa</i> "Understanding Characteristics of Biased Sentences in News Articles"	
09:00-10:40	International Workshop on Knowledge-Driven Analytics Impacting Human Quality of Life (KDAH 2018) Room: Praga	
09:00-09:10	<i>Arijit Ukil</i> Workshop Opening	
09:10-09:40	Keynote 1:	

	Leandro Marin "Data Security and Privacy on Intelligent Environments" Chair: Alfredo Cuzzocrea	
09:40-10:40	Session 1KDAH Chair: Alfredo Cuzzocrea	
09:40-10:00	<i>Kuldeep Reddy</i> "Generating Rule Suggestions for Data Transformations"	
10:00-10:20	<i>Arijit Ukil, Leandro Marin Munoz, Antonio Jara, John Farserotu</i> "Knowledge-Driven Analytics and Sensor Signal Processing in Human-Centric Applications"	
10:20-10:40	<i>Irem Islek, Sule Gunduz Oguducu</i> "Use of LSTM for Short-Term and Long-Term Travel Time Prediction"	
09:00-10:40	International Workshop on Legal DATA Mining (LeDAM 2018) Room: Bruxelles	
09:00-09:10	<i>Saptarshi Ghosh</i> Workshop Opening	
09:10-09:40	Keynote 1: Luigi Di Caro "Natural Language Processing and Ontology Learning in the Legal Domain" Chair: Saptarshi Ghosh	
09:40-10:40	Session 1LeDAM Chair: Arindam Pal	
09:40-10:00	<i>Arunprasath Shankar, Venkata Nagaraju Buddarapu</i> "Deep Ensemble Learning for Legal Query Understanding"	
10:00-10:20	<i>Frieda Josi, Christian Wartena</i> "Structural Analysis of Contract Renewals"	
10:20-10:40	<i>Marijn Schraagen, Bas Testerink, Daphne Odekerken, Florix Bex</i> "Argumentation-Driven Information Extraction for Online Crime Reports"	
09:00-10:40	2nd International Workshop on Rumours and Deception in Social Media (RDSM 2018) Room: Varsavia	
09:00-09:10	<i>Ahmet Aker</i> Workshop Opening	
09:10-09:40	Keynote: Andreas Vlachos "Automated Fact Checking" Chair: Arkaitz Zubiaga	
09:40-10:40	Session 1RDSM Chair: Ahmet Aker	
09:40-10:00	<i>Endang Wahyu Pamungkas, Valerio Basile, Viviana Patti</i> "Stance Classification for Rumour Analysis in Twitter: Exploiting Affective Information and Conversation Structure"	
10:00-10:20	<i>Jianan Yao, Alexander G. Hauptmann</i> "Temporal Patterns of Russian Trolls: A Case Study"	
10:20-10:40	<i>Kevin Roitero, Gianluca Demartini, Stefano Mizzaro, Damiano Spina</i> "How Many Truth Levels? Six? One Hundred? Even More? Validating Truthfulness of Statements via Crowdsourcing"	
09:00-10:40	International Workshop on Social Interaction-based Recommendation (SIR 2018) Room: Vienna	
09:00-09:10	<i>Giovanni Stilo</i> Workshop Opening	
09:10-09:40	Keynote: Gabriella Pasi	

	"Issues and Challenges of the Social Aspects of Personalization" Chair: Giovanni Stilo	
09:40-10:40	Session 1SIR Chair: Giovanni Stilo	
09:40-10:00	<i>Valentino Servizi, Sokol Kosta, Allan Hammershøj, Henning Olesen</i> "A User Experience Model for Privacy and Context Aware Over-the-Top (OTT) TV Recommendations"	
10:00-10:20	<i>Dominik Kowald, Emanuel Lacic, Dieter Theiler and Elisabeth Lex</i> "AFEL-REC: A Recommender System for Providing Learning Resource Recommendations in Social Learning Environments"	
10:20-10:40	<i>Fedelucio Narducci, Pierpaolo Basile, Andrea Iovine, Marco De Gemmis, Pasquale Lops, Giovanni Semeraro</i> "A Framework for Building Chat-based Recommender Systems"	