Poster Session

Area of Session Room	Paper ID	Title & Authors
Classification	372	Cluster-level Emotion Pattern Matching for Cross-Domain Social Emotion Classification -- Endong Zhu (Sun Yat-sen University); Yanghui Rao (Sun Yat-sen University); Haoran Xie (Education University of Hong Kong); Yuwei Liu (Sun Yat-sen University); Jian Yin (Sun Yat-sen University); Fu Lee Wang (Caritas Institute of Higher Education)
	587	Attentive Graph-based Recursive Neural Network for Collective Vertex Classification -- Qiongkai Xu (Australian National University and Data61); Qing Wang (Australian National University); Chenchen Xu (Australian National University and Data61); Lizhen Qu (Australian National University and Data61)
	1054	Unsupervised Matrix-valued Kernel Learning For One Class Classification -- Shaobo Dang (University of New South Wales); Xiongcai Cai (University of New South Wales & Techcul Research); Yang Wang (CSIRO); Jianjia Zhang (CSIRO); Fang Chen (CSIRO)
	1231	Graph Ladder Networks for Network Classification -- Ruiqi Hu (University of Technology Sydney); Shirui Pan (University of Technology Sydney); Jing Jiang (University of Technology Sydney); Guodong Long (University of Technology Sydney)
	1722	MultiSentiNet: A Deep Semantic Network for Multimodal Sentiment Analysis -- Nan Xu (Institute of Automation, Chinese Academy of Sciences & University of Chinese Academy of Sciences); Wenji Mao (Institute of Automation, Chinese Academy of Sciences & University of Chinese Academy of Sciences)
	270	Boolean Matrix Decomposition by Formal Concept Sampling -- Petr Osicka (Palacký University Olomouc); Martin Trnecka (Palacký University Olomouc)
	371	An Euclidean Distance based on the Weighted Self-information Related Data Transformation for Nominal Data Clustering -- Lei Gu (Nanjing University of Posts and Telecommunications); Liying Zhang (China University of Petroleum - Beijing); Yang Zhao (Nanjing Forestry University)
	526	Non-Exhaustive, Overlapping Co-Clustering -- Joyce Jiyoung Whang (Sungkyunkwan University); Inderjit S. Dhillon (University of Texas at Austin)

Clustering	696	Fast K-means for Large Scale Clustering -- Qinghao Hu (Institute of Automation, Chinese Academy of Sciences & University of Chinese Academy of Sciences); Jiaxiang Wu (Institute of Automation, Chinese Academy of Sciences & University of Chinese Academy of Sciences); Lu Bai (Central University of Finance and Economics); Yifan Zhang (Institute of Automation, Chinese Academy of Sciences & University of Chinese Academy of Sciences); Jian Cheng (Institute of Automation, Chinese Academy of Sciences & University of Chinese Academy of Sciences)
	1166	pm-SCAN: an I/O Efficient Structural Clustering Algorithm for Large-scale Graphs -- Jung Hyuk Seo (Korea Advanced Institute of Science and Technology); Myoung Ho Kim (Korea Advanced Institute of Science and Technology)
	1476	An Empirical Study of Community Overlap: Ground-truth, Algorithmic Solutions, and Implications -- Joyce Jiyoung Whang (Sungkyunkwan University)
	2114	A Way to Boost Semi-NMF for Document Clustering -- Aghiles Salah (LIPADE - Paris Descartes University); Melissa Ailem (LIPADE - Paris Descartes University); Mohamed Nadif (LIPADE - Paris Descartes University)
Cool new applications	241	Personalized Image Aesthetics Assessment -- Xiang Deng (Shandong University); Chaoran Cui (Shandong University of Finance and Economics); Huidi Fang (Shandong University); Xiushan Nie (Shandong University of Finance and Economics); Yilong Yin (Shandong University)
	324	Predicting Short-Term Public Transport Demand via Inhomogeneous Poisson Processes -- Aditya Krishna Menon (Data61/CSIRO & Australian National University); Young Lee (Data61/CSIRO & Australian National University)
	430	How Safe is Your (Taxi) Driver? -- Rade Stanojevic (Qatar Computing Research Institute & Hamad Bin Khalifa University)
	576	Integrating the Framing of Clinical Questions via PICO into the Retrieval of Medical Literature for Systematic Reviews -- Harrisen Scells (Queensland University of Technology); Guido Zuccon (Queensland University of Technology); Bevan Koopman (CSIRO); Anthony Deacon (Queensland University of Technology); Leif Azzopardi (Strathclyde University); Shlomo Geva (Queensland University of Technology)
	815	Smart City Analytics: Ensemble-Learned Prediction of Citizen Home Care -- Casper Hansen (University of Copenhagen); Christian Hansen (University of Copenhagen); Stephen Alstrup (University of Copenhagen); Christina Lioma (University of Copenhagen)
	1023	Summarizing Significant Changes in Network Traffic Using Contrast Pattern Mining -- Elaheh Alipour Chavary (University of Melbourne); Sarah M. Erfani (University of Melbourne); Christopher Leckie (University of Melbourne)

	1098	A Novel Approach for Efficient Computation of Community Aware Ridesharing Groups -- Samiul Anwar (Bangladesh University of Engineering and Technology (BUET)); Shuha Nabila (Bangladesh University of Engineering and Technology (BUET)); Tanzima Hashem (Bangladesh University of Engineering and Technology (BUET))
	1570	Recipe Popularity Prediction with Deep Visual-Semantic Fusion -- Satoshi Sanjo (Doshisha University); Marie Katsurai (Doshisha University)
	1778	Inferring Appliance Energy Usage from Smart Meters using Fully Convolutional Encoder Decoder Networks -- Felan Carlo C. Garcia (Ateneo de Manila University); Erees Queen B. Macabebe (Ateneo de Manila University)
	2133	Semantic Rules for Machine Diagnostics: Execution and Management -- Evgeny Kharlamov (University of Oxford); Ognjen Savkovic (Free University of Bozen-Bolzano); Guohui Xiao (Free University of Bozen-Bolzano); Rafael Penaloza (Free University of Bozen-Bolzano); Gulnar Mehdi (Siemens AG, Corporate Technology); Mikhail Roshchin (Siemens
Cool new applications 2	228	Learning Biological Sequence Types Using the Literature -- Mohamed Reda Bouadjenek (The University of Melbourne); Karin Verspoor (The University of Melbourne); Justin Zobel (The University of Melbourne)
	451	Compact Multiple-Instance Learning -- Jing Chai (University of Technology Sydney & Taiyuan University of Technology); Weiwei Liu (University of New South Wales); Ivor W Tsang (University of Technology Sydney); Xiaobo Shen (Nanyang Technological University)
	500	Citation Metadata Extraction via Deep Neural Network-based Segment Sequence Labeling -- Dong An (Peking University); Liangcai Gao (Peking University); Zhuoren Jiang (Sun Yat-sen University); Runtao Liu (Peking University); Zhi Tang (Peking University)
	747	Robust Heterogeneous Discriminative Analysis for Single Sample Per Person Face Recognition -- Meng Pang (Hong Kong Baptist University); Yiu-ming Cheung (Hong Kong Baptist University); Binghui Wang (Iowa State University); Risheng Liu (Dalian University of Technology)
	857	Language Modeling by Clustering with Word Embeddings for Text Readability Assessment -- Miriam Cha (Harvard University); Youngjune Gwon (Harvard University); H. T. Kung (Harvard University)
Cool new applications 3	1859	Denoising Clinical Notes for Medical Literature Retrieval with Convolutional Neural Model -- Luca Soldaini (Georgetown University); Andrew Yates (Max Planck Institute for Informatics); Nazli Goharian (Georgetown University)
	130	Text Coherence Analysis Based on Deep Neural Network -- Baiyun Cui (Zhejiang University); Yingming Li (Zhejiang University); Yaqing Zhang (Zhejiang University); Zhongfei Zhang (Zhejiang University)

Deception & Bias	212	Detecting Social Bots by Jointly Modeling Deep Behavior and Content Information -- Chiyu Cai (Institute of Automation, Chinese Academy of Sciences); Linjing Li (Institute of Automation, Chinese Academy of Sciences); Daniel Dajun Zeng (Institute of Automation, Chinese Academy of Sciences & University of Arizona)
	446	Truth Discovery by Claim and Source Embedding -- Shanshan Lyu (Institute of Computing Technology, Chinese Academy of Sciences); Wentao Ouyang (Institute of Computing Technology, Chinese Academy of Sciences); Huawei Shen (Institute of Computing Technology, Chinese Academy of Sciences); Xueqi Cheng (Institute of Computing Technology, Chinese Academy of Sciences)
	774	Source Retrieval for Web-Scale Text Reuse Detection -- Matthias Hagen (Bauhaus-Universität Weimarr); Martin Potthast (Bauhaus-Universität Weimar); Payam Adineh (Bauhaus-Universität Weimar); Ehsan Fatehifar (Bauhaus-Universität Weimar); Benno Stein (Bauhaus-Universität Weimar)
	995	Hierarchical RNN with Static Sentence-Level Attention for Text-Based Speaker Change Detection -- Zhao Meng (Peking University); Lili Mou (University of Waterloo); Zhi Jin (Peking University)
	1094	A Temporal Attentional Model for Rumor Stance Classification -- Amir Pouran Ben Veyseh (University of Oregon); Javid Ebrahimi (University of Oregon); Dejing Dou (University of Oregon); Daniel Lowd (University of Oregon)
	1151	Tracking the Impact of Fact Deletions on Knowledge Graph Queries using Provenance Polynomials -- Garima Gaur (Indian Institute of Technology); Srikanta J Bedathur (IBM Research); Arnab Bhattacharya (Indian Institute of Technology)
	1246	Modeling Opinion Influence with User Dual Identity -- Chengyao Chen (Hong Kong Polytechnic University); Zhitao Wang (Hong Kong Polytechnic University); Wenjie Li (Hong Kong Polytechnic University)
	1520	Conflict of Interest Declaration and Detection System in Heterogeneous Networks -- Siyuan Wu (University of Macau); Leong Hou U (University of Macau); Sourav S Bhowmick (Nanyang Technological University); Wolfgang Gatterbauer (Northeastern University)
	1531	Algorithmic Bias: Do Good Systems Make Relevant Documents More Retrievable? -- Colin Wilkie (University of Glasgow); Leif Azzopardi (University of Strathclyde)
	1608	Spectrum-based Deep Neural Betworks for Fraud Detection -- Shuhan Yuan (Tongji University); Xintao Wu (University of Arkansas); Jun Li (University of Oregon); Aidong Lu (University of North Carolina at Charlotte)

	1752	Analyzing Mathematical Content to Detect Academic Plagiarism -- Norman Meuschke (University of Konstanz); Moritz Schubotz (University of Konstanz); Felix Hamborg (University of Konstanz); Tomas Skopal (Charles University in Prague); Bela Gipp (University of Konstanz)
	1813	Geographic and Temporal Trends in Fake News Consumption During the 2016 US Presidential Election -- Adam Fourney (Microsoft Research); Miklos Z. Racz (Microsoft Research); Gireeja Ranade (Microsoft Research); Markus Mobius (Microsoft Research); Eric Horvitz (Microsoft Research)
	1884	TATHYA: A Multi-Classifier System for Detecting Check-Worthy Statements in Political Debates -- Ayush Patwari (Google & Purdue University); Dan Goldwasser (Purdue University); Saurabh Bagchi (Purdue University)
Entities & Events	648	Chinese Named Entity Recognition with Character-Word Mixed Embedding -- Shijia E (Tongji University); Yang Xiang (Tongji University)
	664	J-REED: Joint Relation Extraction and Entity Disambiguation -- Dat Ba Nguyen (Max-Planck Institute for Informatics); Martin Theobald (University of Luxembourg); Gerhard Weikum (Max-Planck Institute for Informatics)
	941	A Robust Named-Entity Recognition System Using Syllable Bigram Embedding with Eojeol Prefix Information -- Sunjae Kwon (Ulsan National Institute of Science and Technology); Youngjoong Ko (Dong-A University); Jungyun Seo (Sogang University)
	1209	KIEM: A Knowledge Graph based Method to Identify Entity Morphs -- Longtao Huang (Institute of Information Engineering, Chinese Academy of Sciences); Lin Zhao (Institute of Information Engineering, Chinese Academy of Sciences); Shangwen Lv (Institute of Information Engineering, Chinese Academy of Sciences); Fangzhou Lu (Institute of Information Engineering, Chinese Academy of Sciences); Yue Zhai (Beijing Information Science and Technology University); Songlin Hu (Institute of Information Engineering, Chinese Academy of Sciences)
	1646	Extracting Entities of Interest from Comparative Product Reviews -- Jatin Arora (Indian Institute of Technology Kharagpur); Sumit Agrawal (Indian Institute of Technology Kharagpur); Pawan Goyal (Indian Institute of Technology Kharagpur); Sayan Pathak (Microsoft Research)
	1849	Revealing the Hidden Links in Content Networks: An Application to Event Discovery -- Antonia Saravanou (University of Athens); Ioannis Katakis (University of Athens); George Valkanas (Detectica); Vana Kalogeraki (Athens University of Economics and Business); Dimitrios Gunopulos (University of Athens)

	2145	Using Knowledge Graphs to Explain Entity Co-occurrence in Twitter -- Yiwei Wang (Hong Kong University of Science and Technology); Mark James Carman (Monash University); Yuan-Fang Li (Monash University)
Infrastructure	48	QoS-Aware Scheduling of Heterogeneous Servers for Inference in Deep Neural Networks -- Zhou Fang (University of California San Diego); Tong Yu (Carnegie Mellon University); Ole J Mengshoel (Carnegie Mellon University); Rajesh K Gupta (University of California San Diego)
	523	TICC: Transparent Inter-Column Compression for Column-Oriented Database Systems -- Hao Liu (Hong Kong University of Science and Technology); Yudian Ji (Hong Kong University of Science and Technology); Jiang Xiao (Huazhong University of Science and Technology); Haoyu Tan (Hong Kong University of Science and Technology); Qiong Luo (Hong Kong University of Science and Technology); Lionel M. Ni (University of Macau)
	588	SIMD-Based Multiple Sets Intersection with Dual-Scale Search Algorithm -- Xingshen Song (National University of Defense Technology); Yuexiang Yang (National University of Defense Technology); Xiaoyong Li (National University of Defense Technology)
	634	PMS: an Effective Approximation Approach for Distributed Large-scale Graph Data Processing and Mining -- Yingjie Cao (BeiHang University); Yangyang Zhang (BeiHang University); Jianxin Li (BeiHang University)
	702	Computing Betweenness Centrality in B-hypergraphs -- Kwang Hee Lee (Korea Advanced Institute of Science and Technology); Myoung Ho Kim (Korea Advanced Institute of Science and Technology)
	1026	A Communication Efficient Parallel DBSCAN Algorithm based on Parameter Server -- Xu Hu (Alibaba Group); Jun Huang (Alibaba Group); Minghui Qiu (Alibaba Group)
	1085	A Framework for Estimating Execution Times of IO Traces on SSDs -- Yoonsuk Kang (Hanyang University); Yong-Yeon Jo (Hanyang University); Jaehyuk Cha (Hanyang University); Wan D. Bae (Hanyang University); Sang-Wook Kim (Hanyang University)
	1162	Machine Learning based Performance Modeling of Flash SSDs -- Jaehyung Kim (Yonsei University); Jinuk Park (Yonsei University); Sanghyun Park (Yonsei University)
	399	When Labels Fall Short: Property Graph Simulation via Blending of Network Structure and Vertex Attributes -- Arun V Sathanur (Pacific Northwest National Laboratory); Sutanay Choudhury (Pacific Northwest National Laboratory); Cliff Joslyn (Pacific Northwest National Laboratory); Sumit Purohit (Pacific Northwest National Laboratory)
	714	Missing Value Learning -- Zhi-Lin Zhao (Sun Yat-sen University); Chang-Dong Wang (Sun Yat-sen University); Kun-Yu Lin (Sun Yat-sen University); Jian-Huang Lai (Sun Yat-sen University)

Missing info	745	Learning Entity Type Embeddings for Knowledge Graph Completion -- Changsung Moon (North Carolina State University); Paul Jones (North Carolina State University); Nagiza F. Samatova (North Carolina State University & Oak Ridge National Laboratory)
	777	Task Embeddings: Learning Query Embeddings using Task Context -- Rishabh Mehrotra (University College London); Emine Yilmaz (University College London & Alan Turing Institute)
	1153	Knowledge Graph Embedding with Triple Context -- Jun Shi (Southeast University); Huan Gao (Southeast University); Guilin Qi (Southeast University); Zhangquan Zhou (Southeast University)
	1727	Enhancing Knowledge Graph Completion By Embedding Correlations -- Soumajit Pal (Vrije Universiteit Amsterdam); Jacopo Urbani (Vrije Universiteit Amsterdam)
Potpourri 1	282	Unsupervised Feature Selection with Heterogeneous Side Information -- Xiaokai Wei (University of Illinois at Chicago); Bokai Cao (University of Illinois at Chicago); Philip S. Yu (University of Illinois at Chicago)
	1566	Integrating Side Information for Boosting Machine Comprehension -- Yutong Wang (Zhejiang University); Yixin Xu (Zhejiang University); Min Yang (Tencent AI Lab); Zhou Zhao (Zhejiang University); Jun Xiao (Zhejiang University); Yueting Zhuang (Zhejiang University)
Potpourri 2	698	Common-Specific Multimodal Learning for Deep Belief Network -- Changsheng Xiang (Tsinghua University); Xiaoming Jin (Tsinghua University)
Privacy & Security	1630	Privacy of Hidden Profiles: Utility-Preserving Profile Removal in Online Forums -- Sedigheh Eslami (Hasso Plattner Institute (HPI)); Asia J. Biega (Max Planck Institute for Informatics); Rishiraj Saha Roy (Max Planck Institute for Informatics); Gerhard Weikum (Max Planck Institute for Informatics)
	2078	Profiling DRDoS Attacks with Data Analytics Pipeline -- Laure Berti-Equille (LIF, CNRS, Aix Marseille University, Polytech Marseille); Yury Zhauniarovich (Qatar Computing Research Institute, HBKU)
	142	JointSem: Combining Query Entity Linking and Entity based Document Ranking -- Chenyan Xiong (Carnegie Mellon University); Zhengzhong Liu (Carnegie Mellon University); Jamie Callan (Carnegie Mellon University); Eduard Hovy (Carnegie Mellon University)
	171	Learning to Rank with Query-level Semi-supervised Autoencoders -- Bo Xu (Dalian University of Technology); Hongfei Lin (Dalian University of Technology); Yuan Lin (Dalian University of Technology); Kan Xu (Dalian University of Technology)
	343	Ranking Rich Mobile Verticals based on Clicks and Abandonment -- Mami Kawasaki (Waseda University); Inho Kang (Naver Corporation); Tetsuya Sakai (Waseda University)

Ranking	368	Interest Diffusion in Heterogeneous Information Network for Personalized Item Ranking -- Mukul Gupta (Indian Institute of Management); Pradeep Kumar (Indian Institute of Management); Rajhans Mishra (Indian Institute of Management)
	401	Text Embedding for Sub-Entity Ranking from User Reviews -- Chih-Yu Chao (University of Taipei); Yi-Fan Chu (University of Taipei); Hsiu-Wei Yang (Academia Sinica); Chuan-Ju Wang (Academia Sinica); Ming-Feng Tsai (National Chengchi University)
	807	Alternating Pointwise-Pairwise Learning for Personalized Item Ranking -- Yu Lei (Hong Kong Polytechnic University); Wenjie Li (Hong Kong Polytechnic University); Ziyu Lu (Hong Kong Polytechnic University); Miao Zhao (Hong Kong Polytechnic University)
	1293	Identifying Top-K Influential Nodes in Networks -- Sara Mumtaz (University of New South Wales); Xiaoyang Wang (Zhejiang Gongshang University)
	1582	An Empirical Study of Embedding Features in Learning to Rank -- Faezeh Ensan (Ferdowsi University of Mashhad); Ebrahim Bagheri (Ryerson University); Amal Zouaq (University of Ottawa); Alexandre Kouznetsov (Ryerson University)
	2134	Simulating Zero-Resource Spoken Term Discovery-- Jerome White (New York University); Douglas W. Oard (University of Maryland)
	305	Low-Rank Matrix Completion over Finite Abelian Group Algebras for Context-Aware Recommendation -- Chia-An Yu (Research Center for IT Innovation, Academia Sinica); Tak-Shing Chan (Research Center for IT Innovation, Academia Sinica); Yi-Hsuan Yang (Research Center for IT Innovation, Academia Sinica)
	364	Learning Graph-based Embedding For Time-Aware Product Recommendation -- Yuqi Li (Peking University); Weizheng Chen (Peking University); Hongfei Yan (Peking University)
	555	Collaborative Sequence Prediction for Sequential Recommender -- Shuzi Niu (Institute of Software, Chinese Academy of Sciences); Rongzhi Zhang (University of Chinese Academy of Sciences)
	590	A Neural Collaborative Filtering Model with Interaction-based Neighborhood -- Ting Bai (Renmin University of China & Beijing Key Laboratory of Big Data Management and Analysis Methods); Ji-Rong Wen (Renmin University of China & Beijing Key Laboratory of Big Data Management and Analysis Methods); Jun Zhang (Renmin University of China & Beijing Key Laboratory of Big Data Management and Analysis Methods); Wayne Xin Zhao (Renmin University of China & Beijing Key Laboratory of Big Data Management and Analysis Methods)

	612	An Improved Test Collection and Baselines for Bibliographic Citation Recommendation -- Dwaipayan Roy (Indian Statistical Institute)
Recommendations & Collaborative filtering	779	Local Ensemble across Multiple Sources for Collaborative Filtering -- Jing Zheng (Beijing University of Posts and Telecommunications); Fuzhen Zhuang (Institute of Computing Technology, CAS); Chuan Shi (Beijing University of Posts and Telecommunications)
	952	A Collaborative Ranking Model for Cross-Domain Recommendations -- Dimitrios Rafailidis (University of Mons); Fabio Crestani (Universit`a della Svizzera italiana (USI))
	1187	Improving the Gain of Visual Perceptual Behaviour on Topic Modeling for Text Recommendation -- Cheng Wang (Tongji University); Yujuan Fang (Tongji University); Zheng Tan (Tongji University); Yuan He (Tongji University)
	1383	Efficient Fault-Tolerant Group Recommendation Using alpha-beta-core -- Danhao Ding (University of Hong Kong); Hui Li (University of Hong Kong); Zhipeng Huang (University of Hong Kong); Nikos Mamoulis (University of Hong Kong)
	1903	An Empirical Analysis of Pruning Techniques -- Ruey-Cheng Chen (RMIT University); Leif Azzopardi (University of Strathclyde); Falk Scholer (RMIT University)
	2055	Deep Neural Networks for News Recommendations -- Keunchan Park (NAVER Corp.); Jisoo Lee (NAVER Corp.); Jaeho Choi (NAVER Corp.)
	2120	IDAE: Imputation-boosted Denoising Autoencoder for Collaborative Filtering -- Jae-woong Lee (Sungkyunkwan University); Jongwuk Lee (Sungkyunkwan University)
	2174	Session-aware Information Embedding for E-commerce Product Recommendation -- Chen Wu (Alibaba Group); Ming Yan (Alibaba Group)
Similarity	384	Knowledge-based Question Answering by Jointly Generating, Copying and Paraphrasing -- Shuguang Zhu (Beijing University of Posts and Temecommunications); Xiang Cheng (Beijing University of Posts and Temecommunications); Sen Su (Beijing University of Posts and Temecommunications); Shuang Lang (Beijing University of Posts and Temecommunications)
	594	Deep Multi-Similarity Hashing for Multi-label Image Retrieval -- Tong Li (Beijing University of Posts and Telecommunications); Sheng Gao (Beijing University of Posts and Telecommunications); Si Li (Beijing University of Posts and Telecommunications); Yajing Xu (Beijing University of Posts and Telecommunications); Guang Chen (Beijing University of Posts and Telecommunications); Ruifang Liu (Beijing University of Posts and Telecommunications); Weiran Xu (Beijing University of Posts and Telecommunications)

	2016	Structural-fitting Word Vectors to Linguistic Ontology for Semantic Relatedness Measurement -- Yang-Yin Lee (National Taiwan University); Ting-Yu Yen (National Taiwan University); Hen-Hsen Huang (National Taiwan University); Hsin-Hsi Chen (National Taiwan University)
	2107	Accurate Sentence Matching with Hybrid Siamese Networks -- Massimo Nicosia (University of Trento); Alessandro Moschitti (Qatar Computing Research Institute, HBKU)
	2167	Soft Seeded SSL Graphs for Unsupervised Semantic Similarity-based Retrieval -- Avikalp Srivastava (Indian Institute of Technology, Kharagpur); Madhav Datt (Indian Institute of Technology, Kharagpur)
Summarization & Visualization	845	Automatic Catchphrase Identification from Legal Court Case Documents -- Arpan Mandal (IIEST Shibpur); Kripabandhu Ghosh (IIT Kanpur); Arindam Pal (TCS Research); Saptarshi Ghosh (IIT Kharagpur & IIEST Shibpur)
	847	Combining Local and Global Word Embeddings for Microblog Stemming -- Anurag Roy (IIEST Shibpur, India); Trishnendu Ghorai (IIEST Shibpur, India); Kripabandhu Ghosh (IIT Kanpur, India); Saptarshi Ghosh (IIT Kharagpur & IIEST Shibpur, India)
	946	Paraphrastic Fusion for Abstractive Multi-Sentence Compression Generation -- Mir Tafseer Nayeem (University of Lethbridge); Yllias Chali (University of Lethbridge)
	969	Visualizing Deep Neural Networks with Interaction of Super-pixels -- Shixin Tian (Iowa State University); Ying Cai (Iowa State University)
	1029	Ontology-based Graph Visualization for Summarized View -- Xin Huang (Hong Kong Baptist University); Byron Choi (Hong Kong Baptist University); Jianliang Xu (Hong Kong Baptist University); William Kwok-Wai Cheung (Hong Kong Baptist University); Yanchun Zhang (Victoria University & Fudan University); Jiming Liu (Hong Kong Baptist University)
	1314	Hybrid MemNet for Extractive Summarization -- Abhishek Kumar Singh (International Institute of Information Technology, Hyderabad); Manish Gupta (International Institute of Information Technology, Hyderabad & Microsoft); Vasudeva Varma (International Institute of Information Technology, Hyderabad)
	1408	Analysis of Telegram, An Instant Messaging Service -- Arash Dargahi Nobari (Shahid Beheshti University:G.C); Negar Reshadatmand (Shahid Beheshti University:G.C); Mahmood Neshati (Shahid Beheshti University:G.C)
	2025	Sentence Retrieval with Sentiment-specific Topical Anchoring for Review Summarization -- Jiaxing Tan (City University of New York); Alexander Kotov (Wayne State University); Rojiar Pir Mohammadiani (K. N. Toosi University of Technology); Yumei Huo (City University of New York)
	51	Collecting Non-Geotagged Local Tweets via Bandit Algorithms -- Saki Ueda (University of Tsukuba); Yuto Yamaguchi (Indeed); Hiroyuki Kitagawa (University of Tsukuba)

Time & Space	293	SERM: A Recurrent Model for Next Location Prediction in Semantic Trajectories -- Di Yao (Chinese Academy of Sciences & University of Chinese Academy of Sciences); Chao Zhang (University of Illinois at Urbana-Champaign); Jianhui Huang (Chinese Academy of Sciences & University of Chinese Academy of Sciences); Jingping Bi (Chinese Academy of Sciences & University of Chinese Academy of Sciences)
	409	RATE: Overcoming Noise and Sparsity of Textual Features in Real-Time Location Estimation -- Yu Zhang (Peking University); Wei Wei (Carnegie Mellon University); Binxuan Huang (Carnegie Mellon University); Kathleen M. Carley (Carnegie Mellon University); Yan Zhang (Peking University)
	492	SEQ: Example-based Query for Spatial Objects -- Siqiang Luo (University of Hong Kong); Jiafeng Hu (University of Hong Kong); Reynold Cheng (University of Hong Kong); Jing Yan (University of Hong Kong); Ben Kao (University of Hong Kong)
	519	Semantic Annotation for Places in LBSN through Graph Embedding -- Yan Wang (Central University of Finance and Economics); Zongxu Qin (Central University of Finance and Economics); Jun Pang (University of Luxembourg); Yang Zhang (Saarland University); Jin Xin (Central University of Finance and Economics)
	985	A Study of Feature Construction for Text-based Forecasting of Time Series Variables -- Yiren Wang (University of Illinois at Urbana-Champaign); Dominic Seyler (University of Illinois at Urbana-Champaign); Shubhra Kanti Karmaker Santu (University of Illinois at Urbana-Champaign); ChengXiang Zhai (University of Illinois at Urbana-Champaign)
	1382	Learning Temporal Ambiguity in Web Search Queries -- Behrooz Mansouri (University of Tehran); Mohammad Sadegh Zahedi (University of Tehran); Maseud Rahgozar (University of Tehran); Farhad Oroumchian (University of Wollongong); Ricardo Campos (Polytechnic Institute of Tomar)
	1401	Estimating Event Focus Time Using Neural Word Embeddings -- Supratim Das (Max Planck Institute for Informatics); Arunav Mishra (Max Planck Institute for Informatics); Klaus Berberich (Max Planck Institute for Informatics & htw saar); Vinay Setty (University of Stavanger)
Topic Modeling	617	On Discovering the Number of Document Topics via Conceptual Latent Space -- Nghia Duong-Trung (University of Hildesheim); Lars Schmidt-Thieme (University of Hildesheim)
	1375	Collaborative Topic Regression with Denoising AutoEncoder for Content and Community Co-Representation -- Trong T. Nguyen (Singapore Management University); Hady W. Lauw (Singapore Management University)
	1773	An Enhanced Topic Modeling Approach to Multiple Stance Identification -- Junjie Lin (University of Chinese Academy of Sciences); Wenji Mao (University of Chinese Academy of Sciences); Yuhao Zhang (University of Chinese Academy of Sciences)

User Behavior	261	Online Expectation-Maximization for Click Models -- Ilya Markov (University of Amsterdam); Alexey Borisov (Yandex & University of Amsterdam); Maarten de Rijke (University of Amsterdam)
	480	Exploiting User Consuming Behavior for Effective Item Tagging -- Shen Liu (Tsinghua University); Hongyan Liu (Tsinghua University)
	488	An Ad CTR Prediction Method Based on Feature Learning of Deep and Shallow Layers -- Zai Huang (University of Science and Technology of China); Zhen Pan (University of Science and Technology of China); Qi Liu (University of Science and Technology of China); Bai Long (University of Science and Technology of China); Haiping Ma (IFLYTEK Co.,Ltd.); Enhong Chen (University of Science and Technology of China)
	520	Bayesian Heteroscedastic Matrix Factorization for Conversion Rate Prediction -- Hongxia Yang (Alibaba Group)
	651	A Compare-Aggregate Model with Dynamic-Clip Attention for Answer Selection -- Weijie Bian (Beijing University of Posts and Telecommunications); Si Li (Beijing University of Posts and Telecommunications); Zhao Yang (Beijing University of Posts and Telecommunications); Guang Chen (Beijing University of Posts and Telecommunications); Zhiqing Lin (Beijing University of Posts and Telecommunications)