Short Papers

No	Title	Authors
sp0048	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)
sp0051	Collecting Non-Geotagged Local Tweets via Bandit Algorithms	Saki Ueda (University of Tsukuba); Yuto Yamaguchi (Indeed); Hiroyuki Kitagawa (University of Tsukuba)
sp0130	Text Coherence Analysis Based on Deep Neural Network	Baiyun Cui (Zhejiang University); Yingming Li (Zhejiang University); Yaqing Zhang (Zhejiang University); Zhongfei Zhang (Zhejiang University)
sp0142	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)
sp0171	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)
sp0212	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)
sp0228	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)
sp0241	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)
sp0261	Online Expectation-Maximization for Click Models	Ilya Markov (University of Amsterdam); Alexey Borisov (Yandex & University of Amsterdam); Maarten de Rijke (University of Amsterdam)

sp0270	Boolean Matrix Decomposition by Formal Concept Sampling	Petr Osicka (Palacký University Olomouc); Martin Trnecka (Palacký University Olomouc)
sp0282	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)
sp0293	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)
sp0305	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)
sp0324	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)
sp0343	Ranking Rich Mobile Verticals based on Clicks and Abandonment	Mami Kawasaki (Waseda University); Inho Kang (Naver Corporation); Tetsuya Sakai (Waseda University)
sp0364	Learning Graph-based Embedding For Time-Aware Product Recommendation	Yuqi Li (Peking University); Weizheng Chen (Peking University); Hongfei Yan (Peking University)
sp0368	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)
sp0371	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)
sp0372	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)

sp0384	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)
sp0399	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)
sp0401	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)
sp0409	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)
sp0430	How Safe is Your (Taxi) Driver?	Rade Stanojevic (Qatar Computing Research Institute & Hamad Bin Khalifa University)
sp0446	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)
sp0451	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)
sp0480	Exploiting User Consuming Behavior for Effective Item Tagging	Shen Liu (Tsinghua University); Hongyan Liu (Tsinghua University)

sp0488	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)
sp0492	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)
sp0500	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)
sp0519	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)
sp0520	Bayesian Heteroscedastic Matrix Factorization for Conversion Rate Prediction	Hongxia Yang (Alibaba Group)
sp0523	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)
sp0526	Non-Exhaustive, Overlapping Co-Clustering	Joyce Jiyoung Whang (Sungkyunkwan University); Inderjit S. Dhillon (University of Texas at Austin)
sp0555	Collaborative Sequence Prediction for Sequential Recommender	Shuzi Niu (Institute of Software, Chinese Academy of Sciences); Rongzhi Zhang (University of Chinese Academy of Sciences)

sp0576	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)
sp0587	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)
sp0588	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)
sp0590	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 Zhao (Renmin University of China & Beijing Key Laboratory of Big Data Management and Analysis Methods)
sp0594	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); 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)
sp0612	An Improved Test Collection and Baselines for Bibliographic Citation Recommendation	Dwaipayan Roy (Indian Statistical Institute)
sp0617	On Discovering the Number of Document Topics via Conceptual Latent Space	Nghia Duong-Trung (University of Hildesheim); Lars Schmidt-Thieme (University of Hildesheim)

sp0634	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)
sp0648	Chinese Named Entity Recognition with Character-Word Mixed Embedding	Shijia E (Tongji University); Yang Xiang (Tongji University)
sp0651	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)
sp0664	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)
sp0696	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)
sp0698	Common-Specific Multimodal Learning for Deep Belief Network	Changsheng Xiang (Tsinghua University); Xiaoming Jin (Tsinghua University)
sp0702	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)
sp0714	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)

sp0745	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)
sp0747	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)
sp0774	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)
sp0777	Task Embeddings: Learning Query Embeddings using Task Context	Rishabh Mehrotra (University College London); Emine Yilmaz (University College London & Alan Turing Institute)
sp0779	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)
sp0807	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)
sp0815	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)
sp0845	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)
sp0847	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)
sp0857	Language Modeling by Clustering with Word Embeddings for Text Readability Assessment	Miriam Cha (Harvard University); Youngjune Gwon (Harvard University); H. T. Kung (Harvard University)

sp0941	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)
sp0946	Paraphrastic Fusion for Abstractive Multi-Sentence Compression Generation	Mir Tafseer Nayeem (University of Lethbridge); Yllias Chali (University of Lethbridge)
sp0952	A Collaborative Ranking Model for Cross-Domain Recommendations	Dimitrios Rafailidis (University of Mons); Fabio Crestani (Universit`a della Svizzera italiana (USI))
sp0969	Visualizing Deep Neural Networks with Interaction of Super-pixels	Shixin Tian (Iowa State University); Ying Cai (Iowa State University)
sp0985	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)
sp0995	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)
sp1023	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)
sp1026	A Communication Efficient Parallel DBSCAN Algorithm based on Parameter Server	Xu Hu (Alibaba Group); Jun Huang (Alibaba Group); Minghui Qiu (Alibaba Group)
sp1029	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)
sp1054	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)
sp1085	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)

sp1094	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)
sp1098	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))
sp1151	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)
sp1153	Knowledge Graph Embedding with Triple Context	Jun Shi (Southeast University); Huan Gao (Southeast University); Guilin Qi (Southeast University); Zhangquan Zhou (Southeast University)
sp1162	Machine Learning based Performance Modeling of Flash SSDs	Jaehyung Kim (Yonsei University); Jinuk Park (Yonsei University); Sanghyun Park (Yonsei University)
sp1166	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)
sp1187	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)
sp1209	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)
sp1231	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);

sp1246	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)
sp1293	Identifying Top-K Influential Nodes in Networks	Sara Mumtaz (University of New South Wales); Xiaoyang Wang (Zhejiang Gongshang University)
sp1314	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)
sp1375	Collaborative Topic Regression with Denoising AutoEncoder for Content and Community Co-Representation	Trong T. Nguyen (Singapore Management University); Hady W. Lauw (Singapore Management University)
sp1382	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)
sp1383	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)
sp1401	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)
sp1408	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)
sp1476	An Empirical Study of Community Overlap: Ground-truth, Algorithmic Solutions, and Implications	Joyce Jiyoung Whang (Sungkyunkwan University)
sp1520	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)

sp1531	Algorithmic Bias: Do Good Systems Make Relevant Documents More Retrievable?	Colin Wilkie (University of Glasgow); Leif Azzopardi (University of Strathclyde)
sp1566	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)
sp1570	Recipe Popularity Prediction with Deep Visual-Semantic Fusion	Satoshi Sanjo (Doshisha University); Marie Katsurai (Doshisha University)
sp1582	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)
sp1608	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)
sp1630	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)
sp1646	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)
sp1722	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)
sp1727	Enhancing Knowledge Graph Completion By Embedding Correlations	Soumajit Pal (Vrije Universiteit Amsterdam); Jacopo Urbani (Vrije Universiteit Amsterdam)
sp1752	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)

sp1773	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)
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sp1849	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)
sp1859	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)
sp1884	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)
sp1903	An Empirical Analysis of Pruning Techniques	Ruey-Cheng Chen (RMIT University); Leif Azzopardi (University of Strathclyde); Falk Scholer (RMIT University)
sp2016	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)
sp2025	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)
sp2055	Deep Neural Networks for News Recommendations	Keunchan Park (NAVER Corp.); Jisoo Lee (NAVER Corp.); Jaeho Choi (NAVER Corp.)
sp2078	Profiling DRDoS Attacks with Data Analytics Pipeline	Laure Berti-Equille (LIF, CNRS, Aix Marseille University, Polytech Marseille); Yury Zhauniarovich (Qatar Computing Research Institute, HBKU)
sp2107	Accurate Sentence Matching with Hybrid Siamese Networks	Massimo Nicosia (University of Trento); Alessandro Moschitti (Qatar Computing Research Institute, HBKU)

sp2114	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)
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sp2133	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 AG, Corporate Technology); Ian Horrocks (University of Oxford)
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sp2145	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)
sp2167	Soft Seeded SSL Graphs for Unsupervised Semantic Similarity-based Retrieval	Avikalp Srivastava (Indian Institute of Technology, Kharagpur); Madhav Datt (Indian Institute of Technology, Kharagpur)
sp2174	Session-aware Information Embedding for E-commerce Product Recommendation	Chen Wu (Alibaba Group); Ming Yan (Alibaba Group)