AAAI-18 Main Track Accepted Paper List

(The following list includes all accepted papers for the main track of AAAI-18. The list is sorted according to title order. Titles and author order may not be final. Final titles and author order will be reflected in the final program and proceedings according to what was submitted by authors at the camera-ready copy deadline.)

280 Birds with One Stone: Inducing Multilingual Taxonomies from Wikipedia Using Character-level Classification
Amit Gupta*, Remi Lebret, Hamza Harkous, Karl Aberer

3D Box Proposals from a Single Monocular Image of an Indoor Scene Wei Zhuo*, Mathieu Salzmann, Xuming He, miaomiao Liu

A Batch Learning Framework for Scalable Personalized Ranking Kuan Liu*, Prem Natarajan

A Bayesian Clearing Mechanism for Combinatorial Auctions Gianluca Brero*, Sébastien Lahaie

A Cascaded Inception of Inception Network with Attention Modulated Feature Fusion for Human Pose Estimation Wentao Liu*, Jie Chen, Cheng Li, Chen Qian, Xiao Chu, Xiaolin Hu

A Change-Detection based Framework for Piecewise-stationary Multi-Armed Bandit Problem Fang Liu*, Joohyun Lee, Ness Shroff

A Combinatorial-bandit Algorithm for the Online Joint Bid/Budget Optimization of Pay-perclick Advertising Campaigns

Francesco Trovo*, Alessandro Nuara, Nicola Gatti, Marcello Restelli

A Continuous Relaxation of Beam Search for End-to-end Training of Neural Sequence Models

Kartik Goyal*, Graham Neubig, Chris Dyer, Taylor Berg-Kirkpatrick

A Coverage-Based Utility Model for Identifying Unknown Unknowns Gagan Bansal*, Daniel Weld

A Deep Cascade Network for Unaligned Face Attribute Classification Hui Ding*, Hao Zhou, Shaohua Zhou, Rama Chellappa

A Deep Generative Framework for Paraphrase Generation Ankush Gupta*, Arvind Agarwal, Prawaan Singh, Piyush Rai

A Deep Model with Local Surrogate Loss for General Cost-sensitive Multi-label Learning Cheng-Yu Hsieh*, Yi-An Lin, Hsuan-Tien Lin

A Deep Ranking Model for Spatio-Temporal Highlight Detection from a 360â—¦ Video Youngjae Yu, Sangho Lee, Joonil Na, Gunhee Kim*, Jaeyun Kang

A Framework and Positive Results for IAR-answering Despoina Trivela*, Giorgos Stoilos, Vasilis Vassalos

A Framework for Multistream Regression with Direct Density Ratio Estimation Ahsanul Haque, Hemeng Tao*, Swarup Chandra, Jie Liu, Latifur Khan

A General Formulation for Safely Exploiting Weakly Supervised Data Lan-Zhe Guo, Yu-feng Li*

A Knowledge-Grounded Neural Conversation Model Marjan Ghazvininejad*, Chris Brockett, Ming-Wei Chang, Bill Dolan, Jianfeng Gao, Wen-Tau Yih, Michel Galley

A Low-Cost Ethics Shaping Approach for Designing Reinforcement Learning Agents Yueh-Hua Wu*, Shou-de Lin

A Multi-task Learning Approach for Improving Product Title Compression with User Search Log Data

Jingang Wang*, Junfeng Tian, Long Qiu, Sheng Li, Jun Lang, Luo Si, Man Lan

A Multi-View Fusion Neural Network for Answer Selection Lei Sha*, Jin-ge Yao, Sujian Li, Baobao Chang, Zhifang Sui

A Multilayer Convolutional Encoder-Decoder Neural Network for Grammatical Error Correction
Shamil Chollampatt, Hwee Tou Ng*

A Network-Specific Markov Random Field Approach to Community Detection Dongxiao He*, Xinxin You, Zhiyong Feng, Di Jin, Xue Yang, Weixiong Zhang

A Neural Attention Model for Urban Air Quality Inference: Learning the Weights of Monitoring Stations

Weiyu Cheng, Yanyan Shen*, Yanmin Zhu, linpeng Huang

A Neural Stochastic Volatility Model Rui Luo*, Jun Wang, Weinan Zhang, Xiaojun Xu

A Neural Transition-Based Approach for Semantic Dependency Graph Parsing Yuxuan Wang*, Wanxiang Che, Jiang Guo, Ting Liu

A Parallelizable Acceleration Framework for Packing Linear Programs Palma London*, Shai Vardi, Adam Wierman, Hanling Yi

A Plasticity-centric Approach to Train the Non-differential Spiking Neural Networks Tielin Zhang*, Yi Zeng, Mengting Shi, Dongcheng Zhao

A Poisson Gamma Probabilistic Model for Latent Node-group Memberships in Dynamic Networks

Sikun Yang*, Heinz Koeppl

A Probabilistic Hierarchical Model for Multi-view and Multi-feature Classification Jinxing Li*, Hongwei Yong, Bob Zhang, Mu Li, Lei Zhang, David Zhang

A Provable Approach for Double-Sparse Coding Thanh Nguyen*, Raymond Wong, Chinmay Hegde A Question-Focused Multi-Factor Attention Network for Question Answering Souvik Kundu, Hwee Tou Ng*

A Recursive Algorithm to Generate Balanced Weekend Tournaments Richard Hoshino*

A Recursive Scenario Decomposition Algorithm for Combinatorial Multistage Stochastic Optimisation Problems
David Hemmi*, Guido Tack, Mark Wallace

A Regression Approach for Modeling Games with Many Symmetric Players Bryce Wiedenbeck*, Fengjun Yang, Michael Wellman

A SAT+CAS Method for Enumerating Williamson Matrices of Even Order Curtis Bright*, Ilias Kotsireas, Vijay Ganesh

A Semantic QA-Based Approach for Text Summarization Evaluation Ping Chen*, Fei Wu, Tong Wang, Wei Ding

A Spherical Hidden Markov Model for Semantics-Rich Human Mobility Modeling Wanzheng Zhu*, Chao Zhang, Shuochao Yao, Xiaobin Gao, Jiawei Han

A Two-Stage MaxSAT Reasoning Approach for the Maximum Weight Clique Problem Hua Jiang*, Chu-min Li, Yanli Liu, Felip Manya

A Unified Model for Document-based Question Answering Based on Human-like Reading Strategy

Weikang Li*, Wei Li, Yunfang Wu

A Voting-Based System for Ethical Decision Making Ritesh Noothigattu, Snehalkumar `Neil' Gaikwad, Edmond Awad, Sohan D'Souza, Iyad Rahwan, Pradeep Ravikumar, Ariel Procaccia*

Accelerated Best-first Search with Upper-bound Computation for Submodular Function Maximization

Shinsaku Sakaue*, Masakazu Ishihata

Accelerated Method for Stochastic Composition Optimization with Nonsmooth Regularization Zhouyuan Huo, Bin Gu, Heng Huang*

Accelerated Training for Massive Classification via Dynamic Class Selection Xingcheng Zhang*, Lei Yang, Junjie Yan, Dahua LIN

Acquiring Common Sense Spatial Knowledge through Implicit Spatial Templates Guillem Collell*, Marie-Francine Moens, Luc Van Gool

Action Branching Architectures for Deep Reinforcement Learning Arash Tavakoli*, Fabio Pardo, Petar Kormushev

Action Prediction from Videos via Memorizing Hard-to-Predict Samples Yu Kong*, Shangqian Gao, Bin Sun, Yun Fu

Action Recognition from Skeleton Data via Analogical Generalization over Qualitative Representations Kezhen Chen*, Kenneth Forbus

Action Recognition with Coarse-to-Fine Deep Feature Integration and Asynchronous Fusion Weiyao Lin*, Yang Mi, Jianxin Wu, Ke Lu, Hongkai Xiong

Action Schema Networks: Generalised Policies with Deep Learning Sam Toyer*, Felipe Trevizan, Sylvie Thiebaux, Lexing Xie

Actionable Email Intent Modeling with Reparametrized RNNs Chu-Cheng Lin*, Patrick Pantel, Michael Gamon, Dongyeop Kang

Active Lifelong Learning with "Watchdogâ€□ Gan Sun*, Yang Cong, Xiaowei Xu

AdaComp: Adaptive Residual Gradient Compression for Data-Parallel Distributed Training Chia-Yu Chen*, Jungwook Choi, Daniel Brand, Ankur Agrawal, Wei Zhang, Kailash Gopalakrishnan

AdaFlock: Adaptive Feature Discovery for Human-in-the-loop Predictive Modeling Ryusuke Takahama, Yukino Baba*, Nobuyuki Shimizu, Sumio Fujita, Hisashi Kashima

Adapting a Kidney Exchange Algorithm to Align with Human Values Rachel Freedman, Jana Schaich Borg, Walter Sinnott-Armstrong, John Dickerson*, Vincent Conitzer

Adaptive Co-attention Network for Named Entity Recognition in Tweets Qi Zhang, Jinlan Fu*, Xiaoyu Liu, Xuanjing Huang

Adaptive Feature Abstraction for Translating Video to Text Yunchen Pu*, Martin Rengiang Min, Zhe Gan, Lawrence Carin

Adaptive Graph Convolutional Neural Networks Ruoyu Li*, Sheng Wang, Feiyun Zhu, Junzhou Huang

Adaptive Quantization for Deep Neural Network Yiren Zhou*, Seyed-Mohsen Moosavi-Dezfooli, Ngai-Man Cheung, Pascal Frossard

Addressee and Response Selection in Multi-Party Conversations with Speaker Interaction RNNs

Rui Zhang*, Honglak Lee, Lazaros Polymenakos, Dragomir Radev

Adversarial Discriminative Heterogeneous Face Recognition Lingxiao Song*, Man Zhang, Xiang Wu, Ran He

Adversarial Dropout for Supervised and Semi-Supervised Learning Sungrae Park*, Jun-Keon Park, Su-Jin Shin, Il chul Moon

Adversarial Learning for Chinese NER from Crowd Annotations YaoSheng Yang, Meishan Zhang, Wenliang CHEN*, Haofen Wang, Wei Zhang, Min Zhang

Adversarial Learning of Portable Student Networks

Yunhe Wang*, Chang Xu, Chao Xu, Dacheng Tao

Adversarial Network Embedding Quanyu Dai*, Qiang Li, Jian Tang, Dan Wang

Adversarial Zero-shot Learning with Semantic Augmentation Bin Tong*, Martin Klinkigt, Junwen Chen, Xiankun Cui, Quan Kong, tomokazu Murakami, yoshiyuki Kobayashi

AIVAT: A New Variance Reduction Technique for Agent Evaluation in Imperfect Information Games

Neil Burch, Martin Schmid*, Matej Moravcik, Dustin Morill, Michael Bowling

AJILE Movement Prediction: Multimodal Deep Learning for Natural Human Neural Recordings and Video

Xin Ru (Nancy) Wang*, Ali Farhadi, Rajesh Rao, Bingni Brunton

Algorithms for Generalized Topic Modeling Avrim Blum, Nika Haghtalab*

Algorithms for Trip-Vehicle Assignment in Ride-Sharing Xiaohui Bei*, Shengyu Zhang

Allocation Problems in Ride-Sharing Platforms: Online Matching with Offline Reusable Resources

John Dickerson, Karthik Abinav Sankararaman*, Aravind Srinivasan, Pan Xu

Alternating Circulant Random Features for Semigroup Kernels Yusuke Mukuta*, Yoshitaka Ushiku, Tatsuya Harada

Alternating Optimisation and Quadrature for Robust Control Supratik Paul*, Shimon Whiteson, Michael Osborne, Konstantinos Chatzilygeroudis, Kamil Ciosek, Jean-Baptiste Mouret

AMR Parsing with Cache Transition Systems Xiaochang Peng*, Daniel Gildea, Giorgio Satta

An Adversarial Hierarchical Hidden Markov Model for Human Pose Modeling and Generation Rui Zhao*, Qiang Ji

An AI Planning Solution to Scenario Generation for Enterprise Risk Management Shirin Sohrabi*, Anton Riabov, Michael Katz, Octavian Udrea

An Ant-based Algorithm to Solve Distributed Constraint Optimization Problems Ziyu Chen*, Tengfei Wu, Yanchen Deng, Cheng Zhang

An Axiomatization of the Eigenvector and Katz Centralities Tomasz Wąs*, Oskar Skibski

An Efficient, Expressive and Local Minima-free Method for Learning Controlled Dynamical Systems

Ahmed Hefny*, Geoff Gordon, Carlton Downey

An End-to-End Deep Learning Architecture for Graph Classification Muhan Zhang*, Zhicheng Cui, Marion Neumann, Chen Yixin

An Euclidean Distance based on Tensor Product Graph Diffusion Related Attribute Value Embedding for Nominal Data Clustering Lei Gu*, NingNing Zhou, Yang Zhao

An Experimental Study of Advice in Sequential Decision-Making under Uncertainty Florian Benavent*, Bruno Zanuttini

An Interactive Multi-Label Consensus Labeling Model for Multiple Labeler Judgments Ashish Kulkarni*, Narasimha Raju Uppalapati, Pankaj Singh, Ganesh Ramakrishnan

An Interpretable Generative Adversarial Approach to Classification of Latent Entity Relations in Unstructured Sentences
Shiou Tian Hsu*, Changsung Moon, Paul Jones, Nagiza Samatova

An Interpretable Joint Graphical Model for Fact-Checking from Crowds An Thanh Nguyen*, Aditya Kharosekar, Byron Wallace, Matt Lease

An Online Crowdsourced Task Assignment Approach for Multi-Skilled Workers Liang Qiao*, Feilong Tang, Jiacheng Liu

An Optimal Online Method of Selecting Source Policies for Reinforcement Learning Siyuan Li*, Chongjie Zhang

An Unsupervised Model with Attention Autoencoders for Question Retrieval Minghua Zhang, Yunfang Wu*

Anchors: High-Precision Model-Agnostic Explanations Marco Tulio Ribeiro*, Sameer Singh, Carlos Guestrin

Answering Regular Path Queries over SQ Ontologies Víctor Gutiérrez-Basulto*, Yazmín Ibáñez-García, Jean Christoph Jung

Anti-Makeup: Learning A Bi-Level Adversarial Network for Makeup-Invariant Face Verification

Yi Li*, Lingxiao Song, Xiang Wu, Ran He, Tieniu Tan

Anytime Anyspace AND/OR Best-first Search for Bounding Marginal MAP Qi Lou*, Rina Dechter, Alexander Ihler

Approximate and Exact Enumeration of Rule Models Satoshi Hara*, Masakazu Ishihata

Approximate Inference via Weighted Rademacher Complexity Jonathan Kuck*, Ashish Sabharwal, Stefano Ermon

Approximate Vanishing Ideal via Data Knotting Hiroshi Kera*, Yoshihiko Hasegawa

Approximately Stable Matchings with Budget Constraints Yasushi Kawase, Atsushi Iwasaki*

Approximating Bribery in Scoring Rules
Orgad Keller*, Avinatan Hassidim, Noam Hazon

Approximation-Variance Tradeoffs in Facility Location Games Ariel Procaccia, David Wajc*, Hanrui Zhang

ARC: Adversarial Robust Cuts for Semi-Supervised and Multi-Label Classification Sima Behpour*, Wei Xing, Brian Ziebart

Argument Mining for Improving the Automated Scoring of Persuasive Essays Huy Nguyen*, Diane Litman

Armstrong's Axioms and Navigation Strategies Kaya Deuser, Pavel Naumov*

Asking Friendly Strangers: Non-Semantic Attribute Transfer Nils Murrugarra-Llerena*, Adriana Kovashka

Assertion-based QA with Question-Aware Open Information Extraction Zhao Yan*, Duyu Tang, Nan Duan, Shujie Liu, Wendi Wang, Daxin Jiang, Ming Zhou, Zhoujun Li

Asymmetric Action Abstractions for Multi-Unit Control in Adversarial Real-Time Games Rubens Moraes*, Levi Lelis

Asymmetric Deep Supervised Hashing Qing-Yuan Jiang, Wu-Jun Li*

Asymmetric Joint Learning for Heterogeneous Face Recognition Bing Cao, Nannan Wang*, Xinbo Gao, Jie Li

Asynchronous Bidirectional Decoding for Neural Machine Translation Xiangwen Zhang, Jinsong Su*, Yue Qin, Yang Liu, Rongrong Ji, Hongji Wang

Asynchronous Doubly Stochastic Sparse Kernel Learning Bin Gu*, Xin Miao, Zhouyuan Huo, Heng Huang

ATRank: An Attention-Based User Behavior Modeling Framework for Recommendation Chang Zhou*, JInze Bai, Junshuai Song, Xiaofei Liu, Zhengchao Zhao, Xiusi Chen, Jun Gao

Attend and Diagnose: Clinical Time Series Analysis using Attention Models Huan Song, Deepta Rajan, Jayaraman Thiagarajan*, Andreas Spanias

Attention-based Belief or Disbelief Feature Extraction for Dependency Parsing Haoyuan Peng*, Lu Liu, Yi Zhou, Junying Zhou, Xiaoqing Zheng

Attention-based Transactional Context Embedding for Next-Item Recommendation Shoujin Wang*, Liang Hu, Longbing Cao, Xiaoshui Huang, Defu Lian, Wei Liu

Attention-via-Attention Neural Machine Translation Shenjian Zhao*, Zhihua Zhang

Audio Visual Attribute Discovery for Fine-Grained Object Recognition Hua Zhang*, Xiaochun Cao, Rui Wang

Augmenting End-to-End Dialogue Systems with Commonsense Knowledge Tom Young*, Erik Cambria, Iti Chaturvedi, Minlie Huang, Hao Zhou, Subham Biswas

Auto-balanced Filter Pruning for Efficient Convolutional Neural Networks Xiaohan Ding*, Guiguang Ding, Jungong Han, Sheng Tang

AutoEncoder by Forest Ji Feng*, Zhi-Hua Zhou

Automated Segmentation of Overlapping Cytoplasm in Cervical Smear Images via Contour Fragments

Youyi Song*, Jing Qin, Baiying Lei, Thomas Choi

Automatic Generation of Text Descriptive Comments for Code Blocks Yuding Liang*, Kenny Zhu

Automatic Model Selection in Subspace Clustering via Triplet Relationships Jufeng Yang*, Jie Liang, Kai Wang, Yong-Liang Yang, Ming-Ming Cheng

Automatic Parameter Tying: A New Approach for Regularized Parameter Learning in Markov Networks

Li Chou*, Pracheta Sahoo, Somdeb Sarkhel, Nicholas Ruozzi, Vibhav Gogate

Automatic Segmentation of Data Sequences Liangzhe Chen*, Sorour E. Amiri, Aditya Prakash

Average-case Approximation Ratio of Scheduling without Payments Jie ZHANG*

Avoiding Dead Ends in Real-time Heuristic Search Bence Cserna, William Doyle, Jordan Ramsdell, Wheeler Ruml*

Axioms for Distance-Based Centralities Oskar Skibski*, Jadwiga Sosnowska

Balanced Clustering via Exclusive Lasso: A Pragmatic Approach Zhihui Li*, Feiping Nie, Xiaojun Chang, Zhigang Ma, Yi Yang

Balancing Lexicographic Fairness and a Utilitarian Objective with Application to Kidney Exchange

Duncan McElfresh*, John Dickerson

Batchwise Patching of Classifiers Sebastian Kauschke*, Johannes Fürnkranz

Bayesian Functional Optimization Vien Ngo*, Heiko Zimmermann, Marc Toussaint

Bayesian Robust Attributed Graph Clustering: Joint Learning of Partial Anomalies and Group Structure

Aleksandar Bojchevski*, Stephan Günnemann

Bayesian Verb Sense Clustering Daniel Peterson*, Martha Palmer

BBQ-Networks: Efficient Exploration in Deep Reinforcement Learning for Task-Oriented Dialogue Systems

Zachary Lipton, Xiujun Li*, Jianfeng Gao, Lihong Li, Faisal Ahmed, Li Deng

Behavior is Everything â€" Towards Representing Concepts with Sensorimotor Contingencies

Nicholas Hay*, Michael Stark, D. Scott Phoenix, Dennis Park, Carter Wendelken, Alexander Schlegel, Eric Purdy, Tom Silver, Dileep George

Belief Reward Shaping in Reinforcement Learning Ofir Marom*, Benjamin Rosman

Bernoulli Embeddings for Graphs Vinith Misra, Sumit Bhatia*

Beyond Distributive Fairness in Algorithmic Decision Making: Feature Selection for Procedurally Fair Learning
Nina Grgic-Hlaca*, Muhammad Bilal Zafar, Krishna Gummadi, Adrian Weller

Beyond Link Prediction: Predicting Hyperlinks in Adjacency Space Muhan Zhang*, Zhicheng Cui, Shali Jiang, Chen Yixin

Beyond Sparsity: Tree Regularization of Deep Models for Interpretability
Mike Wu, Michael Hughes*, Sonali Parbhoo, Maurizio Zazzi, Volker Roth, Finale Doshi-Velez

Binary Generative Adversarial Networks for Image Retrieval Jingkuan Song*, Tao He, lianli Gao, Xing Xu, Alan Hanjalic, Heng Tao Shen

Boosted Generative Models Aditya Grover*, Stefano Ermon

Brute-Force Facial Landmark Analysis With A 140,000-Way Classifier Mengtian Li*, Laszlo A. Jeni, Deva Ramanan

Budget-Constrained Multi-Armed Bandits with Multiple Plays Datong Zhou*, Claire Tomlin

Building Continuous Occupancy Maps with Moving Robots Ransalu Senanayake*, Fabio Ramos

Building Deep Networks on Grassmann Manifolds Zhiwu Huang*, Jiqing Wu, Luc Van Gool

Byte-level Machine Reading across Morphologically Varied Languages Tom Kenter*, Llion Jones, Daniel Hewlett

CA-RNN: Using Context-Aligned Recurrent Neural Networks for Modeling Sentence Similarity Qin Chen, Qinmin Hu*, Jimmy Huang, Liang He, Weijie An, Jie Zhou

Canonical Correlation Inference for Mapping Abstract Scenes to Text Helen Jiang, Nikos Papasarantopoulos , Shay Cohen*

Cascade and Parallel Convolutional Recurrent Neural Networks on EEG-based Intention Recognition for Brain Computer Interface

Dalin Zhang*, Lina Yao, Xiang Zhang, Sen Wang, Weitong Chen, Robert Boots

Catching Captain Jack: Efficient Time and Space Dependent Patrols to Combat Oil-Siphoning in International Waters

Xinrun Wang*, Bo An, Martin Strobel, Fookwai Kong

CD-CNN: A Partially Supervised Cross-Domain Deep Learning Model for Urban Resident Recognition

Jingyuan Wang*, Xu He, Ze Wang, Junjie Wu, Nicholas jing Yuan, Xie Xing, Zhang Xiong

Cellular Network Traffic Scheduling with Deep Reinforcement Learning Sandeep Chinchali*, Pan Hu, Tianshu Chu, Manu Sharma, Manu Bansal, Rakesh Misra, Marco Pavone, Sachin Katti

Char-Net: A Character-Aware Neural Network for Distorted Scene Text Recognition Wei Liu*, Chaofeng Chen, Kwan-Yee K. Wong

Characterization of the Convex Lukasiewicz Fragment for Learning from Constraints Francesco Giannini*, Michelangelo Diligenti, Marco Gori, Marco Maggini

Chinese LIWC Lexicon Expansion via Hierarchical Classification of Word Embeddings with Sememe Attention

Xiangkai Zeng*, Cheng Yang, Cunchao Tu, Zhiyuan Liu, Maosong Sun

Classical Planning in Deep Latent Space: Bridging the Subsymbolic-Symbolic Boundary Masataro Asai*, Alex Fukunaga

Clustering Small Samples with Quality Guarantees: Adaptivity with One2all pps Edith Cohen*, Shiri Chechik, Haim Kaplan

CMCGAN: A Uniform Framework for Cross-Modal Visual-Audio Mutual Generation Hao Wangli, Zhaoxiang Zhang*, Guan He

Co-attending Free-form Regions and Detections with Multi-modal Multiplicative Feature Embedding for Visual Question Answering Pan Lu*, Hongsheng Li, Wei Zhang, Wang Jianyong, Xiaogang Wang

Co-domain Embedding using Deep Quadruplet Networks for Unseen Traffic Sign Recognition Junsik Kim*, Seokju Lee, Tae-Hyun Oh, In So Kweon

Co-Saliency Detection within a Single Image Hongkai Yu*, Kang Zheng, Jianwu Fang, Hao Guo, Wei Feng, Song Wang

Coalition Manipulation of Gale-Shapley Algorithm Yuan Deng*, Pingzhong Tang, Weiran Shen

CoChat: Enabling Bot and Human Collaboration for Task Completion

Xufang Luo*, Zijia Lin, Yunhong Wang, Zaiqing Nie

CoDiNMF: Co-clustering of Directed Graphs via NMF Woosang Lim, Rundong Du, Haesun Park*

Cognition-Cognizant Sentiment Analysis with Multitask Subjectivity Summarization based on Annotators' Gaze Behavior

Abhijit Mishra*, Srikanth Tamilselvam, Riddhiman Dasgupta, Kuntal Dey, Seema Nagar

CoLink: An Unsupervised Framework for User Identity Linkage Zexuan Zhong*, Yong Cao, Zaiqing Nie, Mu Guo

Collaborative Filtering with Social Exposure: A Modular Approach to Social Recommendation Menghan Wang*, Xiaolin Zheng, Yang Yang, Kun Zhang

Collaborative Filtering with User-Item Co-Autoregressive Models Chao Du*, Chongxuan Li, Yin Zheng, Jun Zhu, Bo Zhang

Combining Experts' Causal Judgments dalal Alrajeh, Hana Chockler*, Joseph Halpern

Combining Rules and Ontologies into Clopen Knowledge Bases Labinot Bajraktari, Magdalena Ortiz, Mantas Simkus*

Committee Selection with Intraclass and Interclass Synergies Rani Izsak, Nimrod Talmon*, Gerhard Woeginger

Community Detection in Attributed Graphs: An Embedding Approach Ye Li*, Chaofeng Sha, Xin Huang, Yanchun Zhang

Community-Based Trip Sharing for Urban Commuting
Mohd. Hafiz Hasan*, Pascal Van Hentenryck, Ceren Budak, Jiayu Chen, Chhavi Chaudhry

Compact Multi-label Learning
Xiaobo Shen*, Weiwei Liu, Ivor Tsang, Quan-Sen Sun, Yew Soon Ong

Comparing Population Means under Local Differential Privacy: with Significance and Power Bolin Ding*, Harsha Nori, Paul Li, Joshua Allen

Compatibility Family Learning for Item Recommendation and Generation Yong-Siang Shih, Kai-Yueh Chang, Hsuan-Tien Lin, Min Sun*

Complex Sequential Question Answering: Towards Learning to Converse Over Linked Question Answer Pairs with a Knowledge Graph Amrita Saha*, Vardaan Pahuja, Mitesh Khapra, Karthik Sankaranarayanan, Sarath Chandar

Complexity of Verification in Incomplete Argumentation Frameworks Dorothea Baumeister, Daniel Neugebauer, Jörg Rothe*, Hilmar Schadrack

Compressed Sensing MRI Using a Recursive Dilated Network Liyan Sun, Zhiwen Fan, Yue Huang, Xinghao Ding*, John Paisley Computation Error Analysis of Block Floating Point Arithmetic Oriented Convolution Neural Network Accelerator Design

Zhourui Song, Zhenyu Liu*, Chunlu Wang, Dongsheng Wang

Computational Results for Extensive-Form Adversarial Team Games Andrea Celli*, Gatti Nicola

Computing the Strategy to Commit to in Polymatrix Games Giuseppe De Nittis, Alberto Marchesi*, Gatti Nicola

Conditional PSDDs: Modeling and Learning with Modular Knowledge Yujia Shen, Arthur Choi*, Adnan Darwiche

Confidence-aware Matrix Factorization for Recommender Systems Chao Wang*, Qi Liu, Runze Wu, Enhong Chen, Chuanren Liu, Xunpeng Huang, Zhenya Huang

Consistent and Specific Multi-view Subspace Clustering Shirui Luo*, Changqing Zhang, Wei Zhang, Xiaochun Cao

Constructive Preference Elicitation over Hybrid Combinatorial Spaces Paolo Dragone*, Stefano Teso, Andrea Passerini

Content and Context: Two-pronged Bootstrapped Learning for Regex-formatted Entity Extraction

Stanley Simoes*, Deepak P, Munu Sairamesh, Deepak Khemani, Sameep Mehta

Context Aware Conversational Understanding for Intelligent Agents with a Screen Vishal Ishwar Naik, Angeliki Metallinou*, Rahul Goel

Context-Aware Symptom Checking for Disease Diagnosis Using Hierarchical Reinforcement Learning

Hao-Cheng Kao*, Kai-Fu Tang, Edward Chang

Contrastive Training for Models of Information Cascades Shaobin Xu*, David Smith

Control Argumentation Frameworks Yannis Dimopoulos, Jean-guy Mailly*, Pavlos Moraitis

Controlling Global Statistics in Recurrent Neural Network Text Generation Thanapon Noraset*, David Demeter, Doug Downey

Conversational Model Adaptation via KL Divergence Regularization Juncen Li*, Ping Luo, Fen Lin, Bo Chen

Convolutional 2D Knowledge Graph Embeddings Tim Dettmers*, Pasquale Minervini, Pontus Stenetorp, Sebastian Riedel

Cooperative Games with Bounded Dependency Degree Ayumi Igarashi*, Rani Izsak, Edith Elkind

Cooperative Learning of Energy-Based Model and Latent Variable Model via MCMC Teaching

Jianwen Xie*, yang Lu, Ruiqi Gao, Ying Nian Wu

Cooperative Training of Deep Aggregation Networks for RGB-D Action Recognition Pichao Wang*, Wanqing Li, Jun Wan, Philip Ogunbona, Xinwang Liu

Core Dependency Networks Alejandro Molina*, Alexander Munteanu, Kristian Kersting

COSINE: Community-Preserving Social Network Embedding from Information Diffusion Cascades

Yuan Zhang*, Tianshu Lyu, Yan Zhang

Counterfactual Multi-Agent Policy Gradients Jakob Foerster*, Gregory Farquhar, Triantafyllos Afouras, Nantas Nardelli, Shimon Whiteson

Counting Linear Extensions in Practice: MCMC versus Exponential Monte Carlo Topi Talvitie*, Kustaa Kangas, Teppo Niinimäki, Mikko Koivisto

Coupled Deep Learning for Heterogeneous Face Recognition Xiang Wu*, Lingxiao Song, Ran He, Tieniu Tan

Coupled Poisson Factorization Integrated with User/Item Metadata for Modeling Popular and Sparse Ratings in Scalable Recommendation Trong Dinh Thac Do*, Longbing Cao

Cross Temporal Recurrent Networks for Ranking Question Answer Pairs Yi Tay*, Anh Tuan Luu, Siu Cheung Hui

Cross-domain Human Parsing via Adversarial Feature and Label Adaptation Si Liu*, yao sun, defa zhu, guanghui ren, jizhong han, jiashi feng, Yu chen

Cross-Lingual Entity Linking for Web Tables Xusheng Luo*, Kangqi Luo, Xianyang Chen, Kenny Zhu

Cross-Lingual Propagation for Deep Sentiment Analysis Xin Dong, Gerard De melo*

Cross-View Person Identification by Matching Human Poses Estimated with Confidence on Each Body Joint

Guoqiang Liang*, Xuguang Lan, Kang Zheng, Song Wang, Nanning Zheng

CSWA: Aggregation-Free Spatial-Temporal Community Sensing Jiang Bian, Haoyi Xiong*, Yanjie Fu, Sajal Das

Curve-Structure Segmentation from Depth Maps: A CNN-based Approach and Its Application to Exploring Cultural Heritage Objects Yuhang Lu*, Jun Zhou, Jing Wang, Jun Chen, Karen Smith, Colin Wilder, Song Wang

Customized Nonlinear Bandits for Online Response Selection in Neural Conversation Models Bing Liu*, Tong Yu, Ole Mengshoel, Ian Lane

cw2vec: Learning Chinese Word Embeddings with Stroke n-gram Information Shaosheng Cao*, Wei Lu, Jun Zhou, Xiaolong Li

DarkRank: Accelerating Deep Metric Learning via Cross Sample Similarities Transfer Yuntao Chen*, Zhaoxiang Zhang, Naiyan Wang

Data Poisoning Attacks on Multi-Task Relationship Learning Mengchen Zhao*, Bo An, Yaodong Yu, Sulin Liu, Sinno Jialin Pan

Data-dependent Learning of Symmetric/Antisymmetric Relations for Knowledge Base Completion

Hitoshi Manabe*, Katsuhiko Hayashi, Masashi Shimbo

Decentralised Learning in Systems with Many, Many Strategic Agents David Mguni*, Joel Jennings, Enrique Munoz de Cote

Decentralized High-Dimensional Bayesian Optimization with Factor Graphs Nghia Hoang*, Minh Hoang, Bryan Kian Hsiang Low, Ruofei Ouyang

Deception Detection in Videos Zhe Wu*, Bharat Singh, Larry Davis, Venkatramanan Subrahmanian

Decomposition Strategies for Constructive Preference Elicitation Paolo Dragone, Stefano Teso*, Mohit Kumar, Andrea Passerini

Deconvolutional Latent-Variable Model for Text Sequence Matching Dinghan Shen*, Yizhe Zhang, Ricardo Henao, Qinliang Su, Lawrence Carin

Decoupled Convolutions for CNNs Guotian Xie*, Ting Zhang, Jingdong Wang, KuiYuan Yang, JianHuang Lai

Deep Asymmetric Transfer Network for Unbalanced Domain Adaptation Daixin Wang*, Peng Cui, Wenwu Zhu

Deep Learning for Case-Based Reasoning through Prototypes: A Neural Network that Explains Its Predictions
Oscar Li*, Hao Liu, Chaofan Chen, Cynthia Rudin

Deep Learning from Crowds Filipe Rodrigues*, Francisco Pereira

Deep Low-Resolution Person Re-Identification
Jiening Jiao, Wei-Shi Zheng*, Ancong Wu, Xiatian Zhu, Shaogang Gong

Deep Multi-View Spatial-Temporal Network for Taxi Demand Prediction Huaxiu Yao*, Fei Wu, Jingtao Ke, Xianfeng Tang, Yitian Jia, Siyu Lu, Pinghua Gong, Zhenhui Li, Jieping Ye

Deep Neural Network Compression with Single and Multiple Level Quantization Yuhui Xu*, Yongzhuang Wang, Aojun Zhou, Weiyao Lin, Hongkai Xiong

Deep Q-learning from Demonstrations

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