

AAAI Poster Session Schedule

AAAI-21 Poster Sessions will be held during the following times, February 4-7:

8:45 AM – 10:30 AM

4:45 PM – 6:30 PM

12:45 AM – 2:30 AM

Posters have been assigned to two (2) poster sessions each day, according to the following Scheme:

4-Feb	08:45 AM - 10:30 AM	AB-D1-R1 + AB-D1-R2 + BC-D1-R1 + BC-D1-R2
4-Feb	04:45 PM - 06:30 PM	AC-D1-R1 + AC-D1-R2 + BC-D1-R1 + BC-D1-R2
5-Feb	12:45 AM - 02:30 AM	AB-D1-R1 + AB-D1-R2 + AC-D1-R1 + AC-D1-R2
5-Feb	08:45 AM - 10:30 AM	AB-D2-R1 + AB-D2-R2 + BC-D2-R1 + BC-D2-R2
5-Feb	04:45 PM - 06:30 PM	AC-D2-R1 + AC-D2-R2 + BC-D2-R1 + BC-D2-R2
6-Feb	12:45 AM - 02:30 AM	AB-D2-R1 + AB-D2-R2 + AC-D2-R1 + AC-D2-R2
6-Feb	08:45 AM - 10:30 AM	AB-D3-R1 + AB-D3-R2 + BC-D3-R1 + BC-D3-R2
6-Feb	04:45 PM - 06:30 PM	AC-D3-R1 + AC-D3-R2 + BC-D3-R1 + BC-D3-R2
7-Feb	12:45 AM - 02:30 AM	AB-D3-R1 + AB-D3-R2 + AC-D3-R1 + AC-D3-R2
7-Feb	08:45 AM - 10:30 AM	AB-D4-R1 + AB-D4-R2 + BC-D4-R1 + BC-D4-R2
7-Feb	04:45 PM - 06:30 PM	AC-D4-R1 + AC-D4-R2 + BC-D4-R1 + BC-D4-R2
8-Feb	12:45 AM - 02:30 AM	AB-D4-R1 + AB-D4-R2 + AC-D4-R1 + AC-D4-R2

Within each session, posters are grouped according to subject clusters. Included here are the assignments for the **Main Track, AI for Social Impact Track, and Senior Member Track papers**. For more information about poster schedules for other programs, such as the Doctoral Consortium, Undergraduate Consortium, IAAI, Demos, and Student Abstracts, please consult the program information under the Program tab for these specific programs.

AB-D1-R1: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

Cluster: Constraint Satisfaction and Optimization

AB-D1-R1: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-5018: Parameterized Algorithms for MILPS with Small Treedepth
Cornelius Brand, Martin Koutecky, Sebastian Ordyniak

AAAI-9826: Parameterizing Branch-and-Bound Search Trees to Learn Branching Policies
Jason Jo, Giulia Zarpellon, Andrea Lodi, Yoshua Bengio

AAAI-9940: Binary Matrix Factorisation via Column Generation
Reka A Kovacs, Oktay Gunluk, Raphael Hauser

AAAI-5608: Cutting to the Core of Pseudo-Boolean Optimization: Combining Core-Guided Search with Cutting Planes Reasoning
Jo Devriendt, Stephan Gocht, Emir Demirović, Jakob Nordström, Peter Stuckey

AAAI-2415: Solving Infinite-Domain CSPs Using the Patchwork Property
Konrad K Dabrowski, Peter Jonsson, Sebastian Ordyniak, George Osipov

AAAI-2417: Disjunctive Temporal Problems under Structural Restrictions
Konrad K Dabrowski, Peter Jonsson, Sebastian Ordyniak, George Osipov

AAAI-4620: On the Complexity of Sum-of-Products Problems over Semirings
Thomas Eiter, Rafael Kiesel

AAAI-6418: Treewidth-Aware Complexity in ASP: Not All Positive Cycles Are Equally Hard
Markus Hecher, Jorge Fandinno

Cluster: Constraints and Learning

AB-D1-R1: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-4971: Optimal Decision Trees for Nonlinear Metrics
Emir Demirović, Peter Stuckey

AAAI-634: Parallel Constraint Acquisition
Nadjib Lazaar

AAAI-9549: Teaching the Old Dog New Tricks: Supervised Learning with Constraints
Fabrizio Detassis, Michele Lombardi, Michela Milano

AAAI-1302: Scalable Verification of Quantized Neural Networks
Thomas Henzinger, Mathias Lechner, Djordje Zikelic

AAAI-7047: IQ -- Incremental Learning for Solving QSAT
Thomas L Lee, Viktor Tóth, Sean B Holden

Cluster: Deterministic Planning

AB-D1-R1: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-380: Endomorphisms of Classical Planning Tasks
Rostislav Horčík, Daniel Fišer

AAAI-5087: Symbolic Search for Optimal Total-Order HTN Planning
Gregor Behnke, David Speck

AAAI-6956: Computing Plan-Length Bounds Using Lengths of Longest Paths
Mohammad Abdulaziz, Dominik Berger

AAAI-5044: Symbolic Search for Oversubscription Planning
David Speck, Michael Katz

AAAI-5695: Saturated Post-Hoc Optimization for Classical Planning
Jendrik Seipp, Thomas Keller, Malte Helmert

AAAI-6612: On the Optimal Efficiency of A* with Dominance Pruning
Alvaro Torralba

AAAI-67: Revisiting Dominance Pruning in Decoupled Search
Daniel Gnad

AAAI-655: Revealing Hidden Preconditions and Effects of Compound HTN Planning Tasks – A Complexity Analysis
Conny Olz, Susanne Biundo, Pascal T Bercher

Cluster: Scheduling and Temporal Planning

AB-D1-R1: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-7531: Branch and Price for Bus Driver Scheduling with Complex Break Constraints
Lucas Kletzander, Nysret Musliu, Pascal Van Hentenryck

AAAI-4895: Equitable Scheduling on a Single Machine
Klaus Heeger, Dan Hermelin, George Mertzios, Hendrik Molter, Rolf Niedermeier, Dvir Shabtay

AAAI-7061: Contract Scheduling with Predictions
Spyros Angelopoulos, Shahin Kamali

AAAI-2666: Synthesis of Search Heuristics for Temporal Planning via Reinforcement Learning
Andrea Micheli, Alessandro Valentini

AAAI-7844: Faster and Better Simple Temporal Problems
Dario Ostuni, Alice Raffaele, Romeo Rizzi, Matteo Zaverterri

AAAI-1445: Automatic Generation of Flexible Plans via Diverse Temporal Planning
Yotam Amitai, Ayal Taitler, Erez Karpas

AAAI-7147: Online Search with Maximum Clearance
Spyros Angelopoulos, Malachi L Voss

AAAI-5219: Constraint Logic Programming for Real-World Test Laboratory Scheduling
Tobias Geibinger, Florian Mischek, Nysret Musliu

Cluster: Intelligent Robots / Vision for Robotics

AB-D1-R1: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-8016: Enabling Fast Instruction-Based Modification of Learned Robot Skills
Tyler M Frasca, Bradley Oosterveld, Meia Chita-Tegmark, Matthias Scheutz

AAAI-4601: Supervised Training of Dense Object Nets Using Optimal Descriptors for Industrial Robotic Applications
Andras Kupcsik, Markus Spies, Alexander Klein, Marco Todescato, Nicolai Waniek, Philipp Schillinger, Mathias Buerger

AAAI-3454: VMLoc: Variational Fusion for Learning-Based Multimodal Camera Localization
Kaichen Zhou, Changhao Chen, Bing Wang, Muhamad Risqi U. Saputra, Niki Trigoni, Andrew Markham

AAAI-606: Social-DPF: Socially Acceptable Distribution Prediction of Futures
Xiaodan Shi, Xiaowei Shao, Guangming Wu, Haoran Zhang, Zhiling Guo, Renhe Jiang, Ryosuke Shibasaki

AAAI-6462: Embodied Visual Active Learning for Semantic Segmentation
David Nilsson, Aleksis Pirinen, Erik Gärtner, Cristian Sminchisescu

AAAI-6763: Learning Monocular Depth in Dynamic Scenes via Instance-Aware Projection Consistency
Seokju Lee, Sunghoon Im, Stephen Lin, In So Kweon

AAAI-9933: Artificial Dummies for Urban Dataset Augmentation
Antonin Vobecky, David Hurych, Michal Uricar, Patrick Pérez, Josef Sivic

AAAI-5154: ASHF-Net: Adaptive Sampling and Hierarchical Folding Network for Robust Point Cloud Completion
Daoming Zong, Shiliang Sun, Jing Zhao

Cluster: Philosophy and Ethics of AI

AB-D1-R1: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-997: Verifiable Machine Ethics in Changing Contexts
Louise A Dennis, Martin Bentzen, Felix Lindner, Michael Fisher

AAAI-9330: Tightening Robustness Verification of Convolutional Neural Networks with Fine-Grained Linear Approximation
Yiting Wu, Min Zhang

AAAI-10323: Agent Incentives: A Causal Perspective
Tom Everitt, Ryan Carey, Eric D Langlois, Pedro Ortega, Shane Legg

AAAI-9452: On the Verification of Neural ODEs with Stochastic Guarantees
Sophie Grünbacher, Ramin Hasani, Mathias Lechner, Jacek Cyranka, Scott A. Smolka, Radu Grosu

AAAI-8279: Individual Fairness in Kidney Exchange Programs
Golnoosh Farnadi, William St-Arnaud, Behrouz Babaki, Margarida Carvalho

AAAI-678: Justicia: A Stochastic SAT Approach to Formally Verify Fairness
Bishwamitra Ghosh, Debabrota Basu, Kuldeep S Meel

AAAI-8207: Bias and Variance of Post-Processing in Differential Privacy
Keyu Zhu, Pascal Van Hentenryck, Ferdinando Fioretto

AAAI-3196: The Importance of Modeling Data Missingness in Algorithmic Fairness: A Causal Perspective
Naman Goel, Alfonso Amayuelas, Amit Deshpande, Amit Sharma

Cluster: ML: Ethics

AB-D1-R1: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-3907: Accurate and Robust Feature Importance Estimation under Distribution Shifts
Jayaraman J. Thiagarajan, Vivek Narayanaswamy, Rushil Anirudh, Peer-Timo Bremer, Andreas Spanias

AAAI-8972: Robust Fairness under Covariate Shift
Ashkan Rezaei, Anqi Liu, Omid Memarrast, Brian Ziebart

AAAI-5436: Right for Better Reasons: Training Differentiable Models by Constraining their Influence Function

Xiaoting Shao, Arseny Skryagin, Patrick Schramowski, Wolfgang Stammer, Kristian Kersting

AAAI-10161: Does Explainable Artificial Intelligence Improve Human Decision-Making?
Yasmeen Alufaisan, Laura Marusich, Jonathan Bakdash, Yan Zhou, Murat Kantarcioglu

AAAI-400: Robust Model Compression Using Deep Hypotheses
Omri Armstrong, Ran Gilad-Bachrach

AAAI-7954: Fairness in Forecasting and Learning Linear Dynamical Systems
Quan Zhou, Jakub Marecek, Robert Shorten

Cluster: NLP: Ethics

AB-D1-R1: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-5089: How Linguistically Fair Are Multilingual Pre-Trained Language Models?
Monojit Choudhury, Amit Deshpande

AAAI-9727: The Gap on Gap: Tackling the Problem of Differing Data Distributions in Bias-Measuring Datasets
Vid Kocijan, Oana-Maria Camburu, Thomas Lukasiewicz

AAAI-3850: Generate Your Counterfactuals: Towards Controlled Counterfactual Generation for Text
Nishtha Madan, Inkit Padhi, Naveen Panwar, Diptikalyan Saha

AAAI-8566: How Robust are Model Rankings: A Leaderboard Customization Approach for Equitable Evaluation
Swaroop Ranjan Mishra, Anjana Arunkumar

Cluster: Applications

AB-D1-R1: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-6951: Community-Aware Multi-Task Transportation Demand Prediction
Hao Liu, Qiyu Wu, Fuzhen Zhuang, Xinjiang Lu, Dejing Dou, Hui Xiong

AAAI-3399: Hierarchical Graph Convolution Network for Traffic Forecasting
Kan Guo, Yongli Hu, Yanfeng Sun, Sean Qian, Junbin Gao, Baocai Yin

AAAI-5328: Modeling the Momentum Spillover Effect for Stock Prediction via Attribute-Driven Graph Attention Networks
Rui Cheng, Qing Li

AAAI-7907: Stock Selection via Spatiotemporal Hypergraph Attention Network: A Learning to Rank Approach
Ramit Sawhney, Shivam Agarwal, Arnav Wadhwa, Tyler Derr, Rajiv Ratn Shah

AAAI-1214: Who You Would Like to Share With? A Study of Share Recommendation in Social E-Commerce
Houye Ji, Junxiong Zhu, Xiao Wang, Chuan Shi, Bai Wang, Xiaoye Tan, Yanghua Li, Shaojian He

AAAI-2360: Graph Neural Network to Dilute Outliers for Refactoring Monolith Application
Utkarsh Desai, Sambaran Bandyopadhyay, Srikanth Tamilselvam

AAAI-7051: SDGNN: Learning Node Representation for Signed Directed Networks
Junjie Huang, Huawei Shen, Liang Hou, Xueqi Cheng

AAAI-5334: Queue-Learning: A Reinforcement Learning Approach for Providing Quality of Service
Majid Raeis, Ali Tizghadam, Alberto Leon-Garcia

AB-D1-R2: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

Cluster: NLP: Interpretability & Analysis of Models

AB-D1-R2: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-9365: The Heads Hypothesis: A Unifying Statistical Approach towards Understanding Multi-Headed Attention in BERT
Madhura Pande, Aakriti Budhraj, Preksha Nema, Pratyush Kumar, Mitesh M. Khapra

AAAI-3507: Learning from the Best: Rationalizing Predictions by Adversarial information Calibration
Lei Sha, Oana-Maria Camburu, Thomas Lukasiewicz

AAAI-3755: What's the Best Place for an AI Conference, Vancouver or _____: Why Completing Comparative Questions Is Difficult
Avishai Zagoury, Einat Minkov, Idan Szpektor, William W Cohen

AAAI-8401: LIREx: Augmenting Language Inference with Relevant Explanations
Xinyan Zhao, V.G.Vinod Vydiswaran

AAAI-63: Building Interpretable Interaction Trees for Deep NLP Models
Die Zhang, HuiLin Zhou, Xiaoyi Bao, Da Huo, Ruizhao Chen, Hao Zhang, Xu Cheng, Mengyue Wu, Quanshi Zhang

AAAI-5282: Human-Level Interpretable Learning for Aspect-Based Sentiment Analysis
Rohan K Yadav, Lei Jiao, Ole-Christoffer Granmo, Morten Goodwin

AAAI-10289: Distribution Matching for Rationalization
Yongfeng Huang, Yujun Chen, Yulun Du, Zhilin Yang

Cluster: NLP: Information Extraction

AB-D1-R2: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-5454: CrossNER: Evaluating Cross-Domain Named Entity Recognition
Zihan Liu, Yan Xu, Tiezheng Yu, Wenliang Dai, Ziwei Ji, Samuel Cahyawijaya, Andrea Madotto, Pascale Fung

AAAI-6725: Nested Named Entity Recognition with Partially-Observed TreeCRFs
Yao Fu, Chuanqi Tan, Mosha Chen, Songfang Huang, Fei Huang

AAAI-566: Rethinking Boundaries: End-To-End Recognition of Discontinuous Mentions with Pointer Networks
Hao Fei, Fei Li, Bobo Li, Yijiang Liu, Yafeng Ren, Donghong Ji

AAAI-9907: On the Importance of Word Order Information in Cross-Lingual Sequence Labeling
Zihan Liu, Genta I Winata, Samuel Cahyawijaya, Andrea Madotto, Zhaojiang Lin, Pascale Fung

AAAI-1289: Question-Driven Span Labeling Model for Aspect–Opinion Pair Extraction
Lei Gao, Yulong Wang, Tongcun Liu, Jingyu Wang, Lei Zhang, Jianxin Liao

Cluster: ML: Neural Network Algorithms

AB-D1-R2: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-1057: Doubly Residual Neural Decoder: Towards Low-Complexity High-Performance Channel Decoding
Siyu Liao, Chunhua Deng, Miao Yin, Bo Yuan

AAAI-9354: Liquid Time-Constant Networks
Ramin Hasani, Mathias Lechner, Alexander Amini, Daniela Rus, Radu Grosu

AAAI-6491: Shuffling Recurrent Neural Networks
Michael Rotman, Lior Wolf

AAAI-6471: Linearly Replaceable Filters for Deep Network Channel Pruning
Donggyu Joo, Eojindl Yi, Sung Hyun Baek, Junmo Kim

AAAI-6476: Knowledge Refinery: Learning from Decoupled Label
Qianggang Ding, Sifan Wu, Tao Dai, Hao Sun, Jiadong Guo, Zhang-Hua Fu, Shutao Xia

AAAI-409: Explicitly Modeled Attention Maps for Image Classification
Andong Tan, Duc Tam Nguyen, Dax Maximillian, Matthias Niessner, Thomas Brox

AAAI-8707: Empowering Adaptive Early-Exit Inference with Latency Awareness
Xinrui Tan, Hongjia Li, Liming Wang, Xueqing Huang, Zhen Xu

AAAI-1813: HINT: Hierarchical Invertible Neural Transport for Density Estimation and Bayesian Inference
Jakob Kruse, Gianluca Detommaso, Robert Scheichl, Ullrich Köthe

Cluster: ML: Adversarial Learning, Attacks & Robustness

AB-D1-R2: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-5893: Fast and Scalable Adversarial Training of Kernel SVM via Doubly Stochastic Gradients
Huimin Wu, Zhengmian Hu, Bin Gu

AAAI-7644: Characterizing the Evasion Attackability of Multi-Label Classifiers
Zhuo Yang, Yufei Han, Xiangliang Zhang

AAAI-2280: On Lipschitz Regularization of Convolutional Layers Using Toeplitz Matrix Theory
Alexandre Araujo, Benjamin Negrevergne, Yann Chevalere, Jamal Atif

AAAI-8615: Sequential Attacks on Kalman Filter-Based Forward Collision Warning Systems
Yuzhe Ma, Jon A Sharp, Ruizhe Wang, Earlence Fernandes, Xiaojin Zhu

AAAI-6159: Transfer Learning for Efficient Iterative Safety Validation
Anthony Corso, Mykel Kochenderfer

AAAI-8608: PID-Based Approach to Adversarial Attacks
Chen Wan, Biaohua Ye, Fangjun Huang

AAAI-6932: Improving Ensemble Robustness by Collaboratively Promoting and Demoting Adversarial Robustness
Anh Tuan Bui, Trung Le, He Zhao, Paul Montague, Olivier DeVel, Tamas Abraham, Dinh Phung

AAAI-8793: Attribute-Guided Adversarial Training for Robustness to Natural Perturbations
Tejas Gokhale, Rushil Anirudh, Bhavya Kaikhura, Jayaraman J. Thiagarajan, Chitta Baral, Yezhou Yang

Cluster: Neuro-Symbolic AI

AB-D1-R2: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-3840: Sample-Specific Output Constraints for Neural Networks
Mathis Brosowsky, Florian Keck, Olaf Dünkel, Marius Zöllner

AAAI-1952: Neural Sequence-to-Grid Module for Learning Symbolic Rules
Segwang Kim, Hyoungwook Nam, Joonyoung Kim, Kyomin Jung

AAAI-2970: Multi-Proxy Wasserstein Classifier for Image Classification
Benlin Liu, Yongming Rao, Jiwen Lu, Jie Zhou, Cho-Jui Hsieh

AAAI-9929: Searching for Machine Learning Pipelines Using a Context-Free Grammar
Radu Marinescu, Akihiro Kishimoto, Parikshit Ram, Amrith Rawat, Martin Wistuba, Paulito P. Palmes, Adi Botea

AAAI-5167: Encoding Human Domain Knowledge to Warm Start Reinforcement Learning
Andrew Silva, Matthew Gombolay

AAAI-9938: Explaining Neural Matrix Factorization with Gradient Rollback
Carolin Lawrence, Timo Sztyler, Mathias Niepert

Cluster: ML: Transfer/Adaptation/Multi-task/Meta/Automated Learning

AB-D1-R2: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-4317: A General Class of Transfer Learning Regression without Implementation Cost
Shunya Minami, Song Liu, Stephen Wu, Kenji Fukumizu, Ryo Yoshida

AAAI-2751: Time Series Domain Adaptation via Sparse Associative Structure Alignment
Ruichu Cai, Jiawei Chen, Zijian Li, Wei Chen, Keli Zhang, Junjian Ye, Zhuozhang Li, Xiaoyan Yang, Zhenjie Zhang

AAAI-9942: Towards Reusable Network Components by Learning Compatible Representations
Michael Gygli, Jasper Uijlings, Vittorio Ferrari

AAAI-6758: Balanced Open Set Domain Adaptation via Centroid Alignment
Mengmeng Jing, Jingjing Li, Lei Zhu, Zhengming Ding, Ke Lu, Yang Yang

AAAI-1373: Class-Incremental Instance Segmentation via Multi-Teacher Networks
Yanan Gu, Cheng Deng, Kun Wei

AAAI-5551: Neural Architecture Search as Sparse Supernet
Yan Wu, Aoming Liu, Zhiwu Huang, Siwei Zhang, Luc Van Gool

AAAI-10119: Maximum Roaming Multi-Task Learning
Lucas Pascal, Pietro Michiardi, Xavier Bost, Benoit Huet, Maria A. Zuluaga

AAAI-1074: Subtype-Aware Unsupervised Domain Adaptation for Medical Diagnosis
Xiaofeng Liu, Xiongchang Liu, Wenxuan Ji, Bo Hu, Fangxu Xing, Jun Lu, Jane You, C.-C. Jay Kuo, Georges El Fakhri, Jonghye Woo

Cluster: ML: Optimization

AB-D1-R2: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-1060: Characterizing the Loss Landscape in Non-Negative Matrix Factorization

Johan Björck, Anmol Kabra, Kilian Weinberger, Carla P Gomes

AAAI-7526: AdvantageNAS: Efficient Neural Architecture Search with Credit Assignment
Rei Sato, Jun Sakuma, Youhei Akimoto

AAAI-946: Differentially Private Stochastic Coordinate Descent
Georgios Damaskinos, Celestine Mendler-Dünner, Rachid Guerraoui, Nikolaos Papandreou, Thomas Parnell

AAAI-5298: Increasing Iterate Averaging for Solving Saddle-Point Problems
Yuan Gao, Christian Kroer, Donald Goldfarb

AAAI-2662: Generalize a Small Pre-Trained Model to Arbitrarily Large TSP Instances
Zhang-Hua Fu, Kai-Bin Qiu, Hongyuan Zha

AAAI-3530: STL-SGD: Speeding Up Local SGD with Stagewise Communication Period
Shuheng Shen, Yifei Cheng, Jingchang Liu, Linli Xu

AAAI-278: Secure Bilevel Asynchronous Vertical Federated Learning with Backward Updating
Qingsong Zhang, Bin Gu, Cheng Deng, Heng Huang

AAAI-10108: A Flexible Framework for Communication-Efficient Machine Learning
Sarit Khirirat, Sindri Magnusson, Arda Aytekin, Mikael Johansson

Cluster: Vision: Image and Video Retrieval

AB-D1-R2: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-1109: Learning Hybrid Relationships for Person Re-Identification
Shuang Liu, Wenmin Huang, Zhong Zhang

AAAI-4306: Sequential End-to-End Network for Efficient Person Search
Zhengjia Li, Duoqian Miao

AAAI-1274: Generalising without Forgetting for Lifelong Person Re-Identification
Guile Wu, Shaogang Gong

AAAI-1596: Deep Unsupervised Image Hashing by Maximizing Bit Entropy
Yunqiang Li, Jan van Gemert

AAAI-6643: News Content Completion with Location-Aware Image Selection
Zhengkun Zhang, Jun Wang, Adam Jatowt, Zhe Sun, Shao-Ping Lu, Zhenglu Yang

Cluster: Vision: Object Detection & Categorization

AB-D1-R2: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-3285: DeepCollaboration: Collaborative Generative and Discriminative Models for Class Incremental Learning
Bo Cui, Guyue Hu, Shan Yu

AAAI-8700: Interpretable Graph Capsule Networks for Object Recognition
Jindong Gu

AAAI-6914: Fitting the Search Space of Weight-Sharing NAS with Graph Convolutional Networks
Xin Chen, Lingxi Xie, Jun Wu, Longhui Wei, Yuhui Xu, Qi Tian

AAAI-3154: SCNet: Training Inference Sample Consistency for Instance Segmentation
Thang Van Vu, Haeyong Kang, Chang D. Yoo

AAAI-9815: MAMBA: Multi-level Aggregation via Memory Bank for Video Object Detection
Guanxiong Sun, Yang Hua, Guosheng Hu, Neil Robertson

Cluster: Language and Vision

AB-D1-R2: February 4, 8:45 – 10:30 AM PST and February 5, 12:45 – 2:30 AM PST

AAAI-5111: Commonsense Knowledge Aware Concept Selection for Diverse and Informative Visual Storytelling
Hong Chen, Yifei Huang, Hiroya Takamura, Hideki Nakayama

AAAI-3635: Image Captioning with Context-Aware Auxiliary Guidance
Zeliang Song, Xiaofei Zhou, Zhendong Mao, Jianlong Tan

AAAI-9104: Ref-NMS: Breaking Proposal Bottlenecks in Two-Stage Referring Expression Grounding
Long Chen, Wenbo Ma, Jun Xiao, Hanwang Zhang, Shih-Fu Chang

AAAI-6072: CHEF: Cross-Modal Hierarchical Embeddings for Food Domain Retrieval
Hai X Pham, Ricardo Guerrero, Vladimir Pavlovic, Jiatong Li

AAAI-405: Non-Autoregressive Coarse-to-Fine Video Captioning
Bang Yang, Yuexian Zou, Fenglin Liu, Can Zhang

AAAI-3951: Regularizing Attention Networks for Anomaly Detection in Visual Question Answering
Doyup Lee, Yeongjae Cheon, Wook-Shin Han

AAAI-69: Structured Co-Reference Graph Attention for Video-Grounded Dialogue
Junyeong Kim, Sunjae Yoon, DaHyun Kim, Chang D. Yoo

AAAI-6293: StrokeGAN: Reducing Mode Collapse in Chinese Font Generation via Stroke Encoding
Jinshan Zeng, Qi Chen, Yunxin Liu, Mingwen Wang, Yuan Yao

BC-D1-R1: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

Cluster: Constraint Satisfaction and Optimization

BC-D1-R1: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-38: A SAT-Based Resolution of Lam's Problem
Curtis Bright, Kevin Cheung, Brett Stevens, Ilias Kotsireas, Vijay Ganesh

AAAI-111: LCollision: Fast Generation of Collision-Free Human Poses Using Learned Non-Penetration Constraints
Qingyang Tan, Zherong Pan, Dinesh Manocha

AAAI-7868: Differentially Private and Fair Deep Learning: A Lagrangian Dual Approach
Cuong Tran, Ferdinando Fioretto, Pascal Van Hentenryck

AAAI-10022: Learning Branching Heuristics for Propositional Model Counting
Pashootan Vaezipoor, Gil Lederman, Yuhuai Wu, Chris Maddison, Roger B Grosse, Sanjit A. Seshia, Fahiem Bacchus

AAAI-5390: Satisfiability and Algorithms for Non-Uniform Random k-SAT
Andrei Bulatov, Oleksii Omelchenko

AAAI-8606: Smooth Convex Optimization Using Sub-Zeroth-Order Oracles
Mustafa O Karabag, Cyrus Neary, Ufuk Topcu

AAAI-370: EECBS: A Bounded-Suboptimal Search for Multi-Agent Path Finding
Jiaoyang Li, Wheeler Ruml, Sven Koenig

AAAI-9813: Combining Reinforcement Learning and Constraint Programming for Combinatorial Optimization
Quentin Cappart, Thierry Moisan, Louis-Martin Rousseau, Isabeau Prémont-Schwarz, Andre Cire

Cluster: Reinforcement Learning / Planning

BC-D1-R1: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-2431: Advice-Guided Reinforcement Learning in a Non-Markovian Environment
Daniel Neider, Jean-Raphaël Gaglione, Ivan Gavran, Ufuk Topcu, Bo Wu, Zhe Xu

AAAI-8619: Temporal-Logic-Based Reward Shaping for Continuing Reinforcement Learning Tasks
Yuqian Jiang, Sudarshanan Bharadwaj, Bo Wu, Rishi Shah, Ufuk Topcu, Peter Stone

AAAI-6428: Reinforcement Learning Based Multi-Agent Resilient Control: From Deep Neural Networks to an Adaptive Law
Jian Hou, Fangyuan Wang, Lili Wang, Zhiyong Chen

AAAI-5284: GLIB: Efficient Exploration for Relational Model-Based Reinforcement Learning via Goal-Literal Babbling
Rohan Chitnis, Tom Silver, Joshua Tenenbaum, Leslie Kaelbling, Tomas Lozano-Perez

AAAI-3812: Scheduling of Time-Varying Workloads Using Reinforcement Learning
Shanka Subhra Mondal, Nikhil Sheoran, Subrata Mitra

AAAI-2088: Combining Reinforcement Learning with Lin-Kernighan-Helsgaun Algorithm for the Traveling Salesman Problem
Jiongzhi Zheng, Kun He, Jianrong Zhou, Yan Jin, Chumin Li

AAAI-5811: Improved Worst-Case Regret Bounds for Randomized Least-Squares Value Iteration
Priyank Agrawal, Jinglin Chen, Nan Jiang

Cluster: Planning and Scheduling

BC-D1-R1: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-5363: Planning with Learned Object Importance in Large Problem Instances Using Graph Neural Networks
Tom Silver, Rohan Chitnis, Aidan Curtis, Joshua Tenenbaum, Tomas Lozano-Perez, Leslie Kaelbling

AAAI-1672: A Unified Framework for Planning with Learned Neural Network Transition Models
Buser Say

AAAI-4999: Bayesian Optimized Monte Carlo Planning
John Mern, Anil Yildiz, Zachary Sunberg, Tapan Mukerji, Mykel Kochenderfer

AAAI-3217: A Complexity-Theoretic Analysis of Green Pickup-and-Delivery Problems
Xing Tan, Jimmy Huang

AAAI-8289: General Policies, Representations, and Planning Width
Blai Bonet, Hector Geffner

AAAI-3665: Competitive Analysis for Two-Level Ski-Rental Problem
Binghan Wu, Wei Bao, Dong Yuan

AAAI-3569: Bike-Repositioning Using Volunteers: Crowd Sourcing with Choice Restriction
Jinjia Huang, Mabel C. Chou, Chung Piaw Teo

AAAI-10263: Interpretable Sequence Classification via Discrete Optimization
Maayan Shvo, Andrew C Li, Rodrigo A Toro Icarte, Sheila A. McIlraith

Cluster: Intelligent Robots

BC-D1-R1: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-7408: CMAX++ : Leveraging Experience in Planning and Execution Using Inaccurate Models
Anirudh Vemula, J. Andrew Bagnell, Maxim Likhachev

AAAI-2998: DenserNet: Weakly Supervised Visual Localization Using Multi-Scale Feature Aggregation
Dongfang Liu, Yiming Cui, Liqi Yan, Christos Mousas, Baijian Yang, Yingjie Victor Chen

AAAI-8483: IDOL: Inertial Deep Orientation-Estimation and Localization
Scott Sun, Dennis Melamed, Kris Kitani

AAAI-3996: Generative Partial Visual-Tactile Fused Object Clustering
Tao Zhang, Yang Cong, Gan Sun, Jiahua Dong, Yuyang Liu, Zhengming Ding

AAAI-5830: Learning Intuitive Physics with Multimodal Generative Models
Sahand Rezaei-Shoshtari, Francois R Hogan, Michael Jenkin, David Meger, Gregory Dudek

AAAI-1924: I3DOL: Incremental 3D Object Learning without Catastrophic Forgetting
Jiahua Dong, Yang Cong, Gan Sun, Bingtao Ma, Lichen Wang

AAAI-7498: SCAN: A Spatial Context Attentive Network for Joint Multi-Agent Intent Prediction
Jasmine Sekhon, Cody Fleming

AAAI-1677: Disentangled Multi-Relational Graph Convolutional Network for Pedestrian Trajectory Prediction
Inhwan Bae, Hae-Gon Jeon

Cluster: Philosophy and Ethics of AI

BC-D1-R1: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-5767: How RL Agents Behave When Their Actions Are Modified
Eric D Langlois, Tom Everitt

AAAI-353: How Does Data Augmentation Affect Privacy in Machine Learning?
Da Yu, Huishuai Zhang, Wei Chen, Jian Yin, Tie-Yan Liu

AAAI-10120: Differentially Private Clustering via Maximum Coverage
Matthew Jones, Huy Nguyen, Thy D Nguyen

AAAI-7724: Fair Representations by Compression
Xavier Gitiaux, Huzefa Rangwala

AAAI-3535: Amnesiac Machine Learning
Laura Graves, Vineel Nagisetty, Vijay Ganesh

AAAI-9099: PenDer: Incorporating Shape Constraints via Penalized Derivatives
Akhil Gupta, Lavanya Marla, Ruoyu Sun, Naman Shukla, Arinbjörn Kolbeinsson

AAAI-8636: Is the Most Accurate AI the Best Teammate? Optimizing AI for Teamwork
Gagan Bansal, Besmira Nushi, Ece Kamar, Eric Horvitz, Daniel Weld

AAAI-5755: A Unified Taylor Framework for Revisiting Attribution Methods
Huiqi Deng, Na Zou, Mengnan Du, Weifu Chen, Guocan Feng, Xia Hu

Cluster: NLP: Ethics

BC-D1-R1: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-10273: BERT & Family Eat Word Salad: Experiments with Text Understanding
Ashim Gupta, Giorgi Kvernadze, Vivek Srikumar

AAAI-6406: SCRUPLES: A Corpus of Community Ethical Judgments on 32,000 Real-Life Anecdotes
Nicholas Lourie, Ronan Le Bras, Yejin Choi

AAAI-8474: Learning to Rationalize for Nonmonotonic Reasoning with Distant Supervision
Faeze Brahman, Vered Shwartz, Rachel Rudinger, Yejin Choi

AAAI-3129: EvaLDA: Efficient Evasion Attacks Towards Latent Dirichlet Allocation
Qi Zhou, Haipeng Chen, Zheng Yitao, Zhen Wang

Cluster: Healthcare & Covid Applications

BC-D1-R1: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-3800: STELAR: Spatio-Temporal Tensor Factorization with Latent Epidemiological Regularization
Nikos Kargas, Cheng Qian, Nicholas Sidiropoulos, Cao Xiao, Lucas Glass, Jimeng Sun

AAAI-5870: Variational Disentanglement for Rare Event Modeling
Zidi Xiu, Chenyang Tao, Michael Gao, Connor Davis, Benjamin Goldstein, Ricardo Henao

AAAI-4272: MUFASA: Multimodal Fusion Architecture Search for Electronic Health Records
Zhen Xu, David So, Andrew M Dai

AAAI-621: Semi-Supervised Medical Image Segmentation through Dual-Task Consistency
Xiangde Luo, Jieneng Chen, Tao Song, Guotai Wang

AAAI-8472: Estimating Calibrated Individualized Survival Curves with Deep Learning
Fahad Kamran, Jenna Wiens

AAAI-6737: RareBERT: Transformer Architecture for Rare Disease Patient Identification Using Administrative Claims
PKS Prakash, Srinivas Chilukuri, Nikhil Ranade, Shankar Viswanathan

AAAI-9030: DeepPseudo: Pseudo Value Based Deep Learning Models for Competing Risk Analysis
Md Mahmudur Rahman, Koji Matsuo, Shinya Matsuzaki, Sanjay Purushotham

AAAI-1069: Dynamic Gaussian Mixture Based Deep Generative Model for Robust Forecasting on Sparse Multivariate Time Series
Yinjun Wu, Jingchao Ni, Wei Cheng, Bo Zong, Dongjin Song, Zhengzhang Chen, Yanchi Liu, Xuchao Zhang, Haifeng Chen, Susan B Davidson

Cluster: Applications

BC-D1-R1: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-258: When Hashing Met Matching: Efficient Spatio-Temporal Search for Ridesharing
Chinmoy Dutta

AAAI-6618: Two-Stream Convolution Augmented Transformer for Human Activity Recognition
Bing Li, Wei Cui, Wei Wang, Le Zhang, Zhenghua Chen, Min Wu

AAAI-5502: Fully Exploiting Cascade Graphs for Real-Time Forwarding Prediction
Xiangyun Tang, Dongliang Liao, Weijie Huang, Liehuang Zhu, Meng Shen, Jin Xu

AAAI-4386: DEAR: Deep Reinforcement Learning for Online Advertising Impression in Recommender Systems
Xiangyu Zhao, Changsheng Gu, Haoshenglun Zhang, Xiwang Yang, Xiaobing Liu, Jiliang Tang, Hui Liu

AAAI-5461: Programmatic Strategies for Real-Time Strategy Games
Julian Mariño, Rubens Moraes, Tassiana Oliveira, Claudio Toledo, Levi H. S. Lelis

AAAI-1504: Debiasing Evaluations That Are Biased by Evaluations
Jingyan Wang, Ivan Stelmakh, Yuting Wei, Nihar Shah

AAAI-8954: Traffic Shaping in E-Commercial Search Engine: Multi-Objective Online Welfare Maximization
Liucheng Sun, Chenwei Weng, Chengfu Huo, Weijun Ren, Guochuan Zhang, Xin Li

AAAI-6437: Hierarchically and Cooperatively Learning Traffic Signal Control
Bingyu Xu, Yaowei Wang, Zhaozhi Wang, Huizhu Jia, Zongqing Lu

Cluster: AI Responses to the COVID-19 Pandemic

BC-D1-R1: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-6155: Tracking Disease Outbreaks from Sparse Data with Bayesian Inference
Bryan Wilder, Michael Mina, Milind Tambe

AAAI-2377: Gaining Insight into SARS-CoV-2 Infection and COVID-19 Severity Using Self-Supervised Edge Features and Graph Neural Networks
Arijit Sehanobish, Neal G Ravindra, David van Dijk

AAAI-4951: Transfer Graph Neural Networks for Pandemic Forecasting
Georgios Panagopoulos, Giannis Nikolentzos, Michalis Vazirgiannis

AAAI-8373: Context Matters: Graph-Based Self-Supervised Representation Learning for Medical Images
Li Sun, Ke Yu, Kayhan Batmanghelich

AAAI-7133: Savable but Lost Lives when ICU Is Overloaded: A Model from 733 Patients in Epicenter Wuhan, China
Tingting Dan, Yang Li, Ziwei Zhu, Xijie Chen, Wuxiu Quan, Yu Hu, Guihua Tao, Lei Zhu, Jijin Zhu, Hongmin Cai, Hanchun Wen

AAAI-8343: Persistence of Anti-Vaccine Sentiment in Social Networks through Strategic Interactions
A S M Ahsan-Ul Haque, Mugdha Thakur, Matthew Bielskas, Achla Marathe, Anil Vullikanti

AAAI-8325: Steering a Historical Disease Forecasting Model under a Pandemic: Case of Flu and COVID-19
Alexander Rodríguez, Nikhil Muralidhar, Bijaya Adhikari, Anika Tabassum, Naren Ramakrishnan, B. Aditya Prakash

AAAI-5045: Automated Model Design and Benchmarking of Deep Learning Models for COVID-19 Detection with Chest CT Scans
Xin He, Shihao Wang, Shaohuai Shi, Xiaowen Chu, Jiangping Tang, Xin Liu, Chenggang Yan, Jiyong Zhang, Guiguang Ding

Cluster: Senior Member Track (Blue Sky)

BC-D1-R1: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

SMT-128: Blue Sky: Unifying Principles and Metrics for Safe and Assistive AI
Siddharth Srivastava

SMT-282: Blue Sky: Towards a Unifying Framework for Formal Theories of Novelty
Terrance E. Boult, Przemyslaw A. Grabowicz, Derek S. Prijatelj, Roni Stern, Lawrence Holder, Joshua Alspecter, Mohsen M. Jafarzadeh, Toqueer Ahmad, Akshay R. Dhamija, Chunchun Li, Steve Cruz, Abhinav Shrivastava, Carl Vondrick, Walter J. Scheirer

SMT-351: Blue Sky: Thinking Fast and Slow in AI
G. Booch, F. Fabiano, L. Horesh, K. Kate, J. Lenchner, N. Linck, A. Loreggia, K. Murugesan, N. Mattei, F. Rossi, B. Srivastava

SMT-362: Blue Sky: Lifelong and Continual Learning Dialogue Systems: Learning during Conversation
Bing Liu, Sahisnu Mazumder

SMT-427: Blue Sky: Improving Causal Inference by Increasing Model Expressiveness
David D. Jensen

BC-D1-R2: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

Cluster: NLP: Discourse / Dialog / Summarization

BC-D1-R2: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-10137: Data Augmentation for Abstractive Query-Focused Multi-Document Summarization

Ramakanth R Pasunuru, Asli Celikyilmaz, Michel Galley, Chenyan Xiong, Yizhe Zhang, Mohit Bansal, Jianfeng Gao

AAAI-5676: Unsupervised Abstractive Dialogue Summarization for Tete-a-Tetes
Xinyuan Zhang, Ruiyi Zhang, Manzil Zaheer, Amr Ahmed

AAAI-5439: Nutri-Bullets: Summarizing Health Studies by Composing Segments
Darsh J Shah, Lili Yu, Tao Lei, Dr.Regina Barzilay

AAAI-867: SARG: A Novel Semi Autoregressive Generator for Multi-Turn Incomplete Utterance Restoration
Mengzuo Huang, Feng Li, Wuhe Zou, Weidong Zhang

AAAI-9086: Span-Based Event Coreference Resolution
Jing Lu, Vincent Ng

AAAI-3838: A Student-Teacher Architecture for Dialog Domain Adaptation under the Meta-Learning Setting
Kun Qian, Wei Wei, Zhou Yu

AAAI-10099: Adversarial Language Games for Advanced Natural Language Intelligence
Yuan Yao, Haoxi Zhong, Zhengyan Zhang, Xu Han, Xiaozhi Wang, Kai Zhang, Chaojun Xiao, Guoyang Zeng, Zhiyuan Liu, Maosong Sun

AAAI-7747: Unsupervised Learning of Discourse Structures Using a Tree Autoencoder
Patrick Huber, Giuseppe Carenini

Cluster: NLP: Information Extraction

BC-D1-R2: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-10207: GATE: Graph Attention Transformer Encoder for Cross-Lingual Relation and Event Extraction
Wasi U Ahmad, Nanyun Peng, Kai-Wei Chang

AAAI-2635: What the Role Is vs. What Plays the Role: Semi-Supervised Event Argument Extraction via Dual Question Answering
Yang Zhou, Yubo Chen, Jun Zhao, Yin Wu, Jiexin Xu, JinLong Li

AAAI-7857: A Unified Multi-Task Learning Framework for Joint Extraction of Entities and Relations
Tianyang Zhao, Zhao Yan, Yunbo Cao, Zhoujun Li

AAAI-9740: Clinical Temporal Relation Extraction with Probabilistic Soft Logic Regularization and Global Inference
Yichao Zhou, Yu Yan, Rujun Han, J. Harry Caufield, Kai-Wei Chang, Yizhou Sun, Peipei Ping, Wei Wang

AAAI-9917: Denoising Distantly Supervised Named Entity Recognition via a Hypergeometric Probabilistic Model
Hongyu Lin, Wenkai Zhang, Xianpei Han, Le Sun, Huidan Liu, Nicholas Yuan, Zhicheng Wei

AAAI-6269: A Bidirectional Multi-Paragraph Reading Model for Zero-Shot Entity Linking
Hongyin Tang, Xingwu Sun, Beihong Jin, Fuzheng Zhang

AAAI-7791: Continual Learning for Named Entity Recognition
Natawut Monaikul, Giuseppe Castellucci, Simone Filice, Oleg Rokhlenko

AAAI-8308: Document-Level Relation Extraction with Adaptive Thresholding and Localized Context Pooling
Wenxuan Zhou, Kevin Huang, Tengyu Ma, Jing Huang

Cluster: NLP: Machine Translation & Multilinguality

BC-D1-R2: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-520: Empirical Regularization for Synthetic Sentence Pairs in Unsupervised Neural Machine Translation
Xi Ai, Bin Fang

AAAI-9950: Learning Light-Weight Translation Models from Deep Transformer
Bei Li, Ziyang Wang, Hui Liu, Quan Du, Tong Xiao, Chunliang Zhang, Jingbo Zhu

AAAI-452: Self-Supervised Bilingual Syntactic Alignment for Neural Machine Translation
Tianfu Zhang, Heyan Huang, Chong Feng, Longbing Cao

AAAI-7260: Accelerating Neural Machine Translation with Partial Word Embedding Compression
Fan Zhang, Mei Tu, Jinyao Yan

AAAI-10177: Multilingual Transfer Learning for QA Using Translation as Data Augmentation
Mihaela Bornea, Lin Pan, Sara Rosenthal, Radu Florian, Avi Sil

Cluster: ML: Clustering

BC-D1-R2: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-3769: Fairness, Semi-Supervised Learning, and More: A General Framework for Clustering with Stochastic Pairwise Constraints
Brian Brubach, Darshan Chakrabarti, John P Dickerson, Aravind Srinivasan, Leonidas Tsepenekas

AAAI-7729: Differentially Private k-Means via Exponential Mechanism and Max Cover
Huy Nguyen, Anamay Chaturvedi, Eric Z Xu

AAAI-3047: Self-Paced Two-Dimensional PCA
Jiangxin Li, Zhao Kang, Chong Peng, Wenyu Chen

AAAI-5091: Objective-Based Hierarchical Clustering of Deep Embedding Vectors
Dmitrii Avdiukhin, Stanislav Naumov, Grigory Yaroslavtsev

AAAI-5413: Variational Fair Clustering
Imtiaz Masud Ziko, Jing Yuan, Eric Granger, Ismail Ben Ayed

AAAI-3022: Multiple Kernel Clustering with Kernel k-Means Coupled Graph Tensor Learning
Zhenwen Ren, Quansen Sun, Dong Wei

AAAI-1538: Unified Tensor Framework for Incomplete Multi-View Clustering and Missing-View Inferring
Jie Wen, Zheng Zhang, Zhao Zhang, Lei Zhu, Lunke Fei, Bob Zhang, Yong Xu

AAAI-5771: Almost Linear Time Density Level Set Estimation via DBSCAN
Hossein Esfandiari, Vahab Mirrokni, Peilin Zhong

Cluster: ML: Transfer/Adaptation/Multi-task/Meta/Automated Learning

BC-D1-R2: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-465: Addressing Domain Gap via Content Invariant Representation for Semantic Segmentation
Li Gao, Lefei Zhang, Qian Zhang

AAAI-8020: NASTransfer: Analyzing Architecture Transferability in Large Scale Neural Architecture Search
Rameswar Panda, Michele Merler, Mayoore S Jaiswal, Hui Wu, Kandan Ramakrishnan, Ulrich Finkler, Chun-Fu Richard Chen, Minsik Cho, Rogerio Feris, David Kung, Bishwaranjan Bhattacharjee

AAAI-239: Tailoring Embedding Function to Heterogeneous Few-Shot Tasks by Global and Local Feature Adaptors
Su Lu, Han-Jia Ye, De-Chuan Zhan

AAAI-80: Interpretable Embedding Procedure Knowledge Transfer via Stacked Principal Component Analysis and Graph Neural Network
Seunghyun Lee, Byung Cheol Song

AAAI-9720: Clinical Risk Prediction with Temporal Probabilistic Asymmetric Multi-Task Learning
Tuan Anh Nguyen, Hyewon Jeong, Eunho Yang, Sung Ju Hwang

AAAI-7186: Explanation Consistency Training: Facilitating Consistency-Based Semi-Supervised Learning with Interpretability
Tao Han, Wei-Wei Tu, Yu-Feng Li

AAAI-1909: DAST: Unsupervised Domain Adaptation in Semantic Segmentation Based on Discriminator Attention and Self-Training
Fei Yu, Mo Zhang, Hexin Dong, Sheng Hu, Bin Dong, Li Zhang

AAAI-117: Incremental Embedding Learning via Zero-Shot Translation
Kun Wei, Cheng Deng, Xu Yang, Maosen Li

Cluster: ML: Learning Theory

BC-D1-R2: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-8554: Communication-Aware Collaborative Learning
Avrim Blum, Shelby L Heinecke, Lev Reyzin

AAAI-2983: Near-Optimal MNL Bandits Under Risk Criteria
Guangyu Xi, Chao Tao, Yuan Zhou

AAAI-10195: Sublinear Classical and Quantum Algorithms for General Matrix Games
Tongyang Li, Chunhao Wang, Shouvanik Chakrabarti, Xiaodi Wu

AAAI-10016: Differentially Private Decomposable Submodular Maximization
Anamay Chaturvedi, Huy Nguyen, Lydia Zakyntinou

AAAI-2005: Distributed Ranking with Communications: Approximation Analysis and Applications
Hong Chen, Yingjie Wang, Yulong Wang, Feng Zheng

AAAI-9028: PAC Learning of Causal Trees with Latent Variables
Prasad Tadepalli, Stuart Russell

AAAI-9906: Characterizing Deep Gaussian Processes via Nonlinear Recurrence Systems
Anh Tong, Jaesik Choi

AAAI-5824: Incentive-Aware PAC Learning
Hanrui Zhang, Vincent Conitzer

Cluster: ML: Reinforcement Learning

BC-D1-R2: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-9350: Loop Estimator for Discounted Values in Markov Reward Processes
Falcon Dai, Matthew Walter

AAAI-2453: Metrics and Continuity in Reinforcement Learning
Charline Le Lan, Marc G. Bellemare, Pablo Samuel Castro

AAAI-3090: On Convergence of Gradient Expected Sarsa (λ)
Long Yang, Gang Zheng, Yu Zhang, Qian Zheng, Pengfei Li, Gang Pan

AAAI-416: Robust Reinforcement Learning: A Case Study in Linear Quadratic Regulation
Bo Pang, Zhong-Ping Jiang

AAAI-8323: DeepSynth: Automata Synthesis for Automatic Task Segmentation in Deep Reinforcement Learning
Mohammadhosein Hasanbeig, Natasha Yogananda Jeppu, Alessandro Abate, Tom Melham, Daniel Kroening

AAAI-7952: Sample Efficient Reinforcement Learning with REINFORCE
Junzi Zhang, Jongho Kim, Brendan O'Donoghue, Stephen Boyd

AAAI-10346: Deep Bayesian Quadrature Policy Optimization
Ravi Tej Akella, Kamyar Azizzadenesheli, Mohammad Ghavamzadeh, Animashree Anandkumar, Yisong Yue

AAAI-8352: Successor Feature Sets: Generalizing Successor Representations across Policies
Kianté Brantley, Soroush Mehri, Geoff Gordon

Cluster: Vision: Learning & Optimization

BC-D1-R2: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-724: Teacher Guided Neural Architecture Search for Face Recognition
Xiaobo Wang

AAAI-1310: Deep Metric Learning with Graph Consistency
Binghui Chen, Pengyu Li, Zhaoyi Yan, Biao Wang, Lei Zhang

AAAI-296: Optimizing Information Theory Based Bitwise Bottlenecks for Efficient Mixed-Precision Activation Quantization
Xichuan Zhou, Kui Liu, Cong Shi, Haijun Liu, Ji Liu

AAAI-6019: IA-GM: A Deep Bidirectional Learning Method for Graph Matching
Kaixuan Zhao, Shikui Tu, Lei Xu

AAAI-9486: Progressive Network Grafting for Few-Shot Knowledge Distillation
Chengchao Shen, Xinchao Wang, Youtan Yin, Jie Song, Sihui Luo, Mingli Song

AAAI-2240: Training Binary Neural Network without Batch Normalization for Image Super-Resolution
Xinrui Jiang, Nannan Wang, Jingwei Xin, Keyu Li, Xi Yang, Xinbo Gao

AAAI-3041: Proxy Graph Matching with Proximal Matching Networks
Haoru Tan, Chuang Wang, Sitong Wu, Tie-Qiang Wang, Xu-Yao Zhang, Cheng-Lin Liu

Cluster: ML: Reinforcement Learning

BC-D1-R2: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-5546: Improving Sample Efficiency in Model-Free Reinforcement Learning from Images
Denis Yarats, Amy Zhang, Ilya Kostrikov, Brandon Amos, Joelle Pineau, Rob Fergus

AAAI-8186: Solving Common-Payoff Games with Approximate Policy Iteration
Samuel Sokota, Edward Lockhart, Finbarr Timbers, Elnaz Davoodi, Ryan D'Orazio, Neil Burch, Martin Schmid, Michael Bowling, Marc Lanctot

AAAI-9869: Non-Asymptotic Convergence of Adam-Type Reinforcement Learning Algorithms under Markovian Sampling
Huaqing Xiong, Tengyu Xu, Yingbin Liang, Wei Zhang

AAAI-430: Bayesian Distributional Policy Gradients
Luchen Li, Aldo A Faisal

AAAI-8545: Mean-Variance Policy Iteration for Risk-Averse Reinforcement Learning
Shangdong Zhang, Bo Liu, Shimon Whiteson

AAAI-8556: Iterative Bounding MDPs: Learning Interpretable Policies via Non-Interpretable Methods
Nicholay Topin, Stephanie Milani, Fei Fang, Manuela Veloso

AAAI-5906: Domain Adaptation in Reinforcement Learning via Latent Unified State Representation
Jinwei Xing, Takashi Nagata, Kexin Chen, Xinyun Zou, Emre Neftci, Jeffrey Prof. Krichmar

AAAI-10028: The Sample Complexity of Teaching by Reinforcement on Q-Learning
Xuezhou Zhang, Shubham Bharti, Yuzhe Ma, Adish Singla, Xiaojin Zhu

Cluster: Vision: Scene Analysis & Understanding

BC-D1-R2: February 4, 8:45 – 10:30 AM PST and February 4, 4:45 - 6:30 PM PST

AAAI-6098: Semantic MapNet: Building Allocentric Semanticmaps and Representations from Egocentric Views
Vincent Cartillier, Zhile Ren, Neha Jain, Stefan Lee, Irfan Essa, Dhruv Batra

AAAI-7767: A Hybrid Attention Mechanism for Weakly-Supervised Temporal Action Localization
Ashraf Islam, Chengjiang Long, Richard Radke

AAAI-8236: Explainable Models with Consistent Interpretations
Vipin Pillai, Hamed Pirsiavash

AAAI-2999: Weakly Supervised Temporal Action Localization through Learning Explicit Subspaces for Action and Context
Ziyi Liu, Le Wang, Wei Tang, Junsong Yuan, Nanning Zheng, Gang Hua

AAAI-6452: To Choose or To Fuse? Scale Selection for Crowd Counting
Qingyu Song, Changan Wang, Yabiao Wang, Ying Tai, Chengjie Wang, Jilin Li, Jian Wu, Jiayi Ma

AAAI-9214: Image-to-Image Retrieval by Learning Similarity between Scene Graphs
Sangwoong Yoon, Woo Young Kang, Sungwook Jeon, SeongEun Lee, Changjin Han, Jonghun Park, Eun-Sol Kim

AAAI-1523: MVFNet: Multi-View Fusion Network for Efficient Video Recognition
Wenhao Wu, Dongliang He, Tianwei Lin, Fu Li, Chuang Gan, Errui Ding

AAAI-5835: Holistic Multi-View Building Analysis in the Wild with Projection Pooling
Zbigniew Bogdan Wojna, Krzysztof Maziarz, Lukasz Jocz, Robert Paluba, Robert Kozikowski, Iason Kokkinos

AC-D1-R1: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

Cluster: Constraint Satisfaction and Optimization

AC-D1-R1: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-1205: An Improved Upper Bound for SAT
Huairui Chu, Mingyu Xiao, Zhe Zhang

AAAI-4024: Integrated Optimization of Bipartite Matching and Its Stochastic Behavior: New Formulation and Approximation Algorithm via Min-Cost Flow Optimization
Yuya Hikima, Yasunori Akagi, Hideaki Kim, Masahiro Kohjima, Takeshi Kurashima, Hiroyuki Toda

AAAI-7492: Dependency Stochastic Boolean Satisfiability: A Logical Formalism for NEXPTIME Decision Problems with Uncertainty
Nian-Ze Lee, Jie-Hong R Jiang

AAAI-9774: The Power of Literal Equivalence in Model Counting
Yong Lai, Kuldeep S Meel, Roland Yap

AAAI-8542: Optimising Automatic Calibration of Electric Muscle Stimulation
Graeme Gange, Jarrod Knibbe

AAAI-8406: A Scalable Two Stage Approach to Computing Optimal Decision Sets
Alexey Ignatiev, Edward Lam, Peter Stuckey, Joao Marques-Silva

AAAI-1212: Towards More Practical and Efficient Automatic Dominance Breaking
Jimmy H.M. Lee, Allen Z. W. Zhong

AAAI-2969: On Continuous Local BDD-Based Search for Hybrid SAT Solving
Anastasios Kyrillidis, Moshe Vardi, Zhiwei Zhang

Cluster: Planning, Routing and Scheduling

AC-D1-R1: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-9457: Minimax Regret Optimisation for Robust Planning in Uncertain Markov Decision Processes
Marc Rigter, Bruno Lacerda, Nick Hawes

AAAI-132: Landmark Generation in HTN Planning
Daniel Höller, Pascal T Bercher

AAAI-8042: Robust Finite-State Controllers for Uncertain POMDPs
Murat Cubuktepe, Nils Jansen, Sebastian Junges, Ahmadreza Marandi, Marnix Suilen, Ufuk Topcu

AAAI-9708: Multi-Decoder Attention Model with Embedding Glimpse for Solving Vehicle Routing Problems
Liang Xin, Wen Song, Zhiguang Cao, Jie Zhang

AAAI-7381: A Multivariate Complexity Analysis of the Material Consumption Scheduling Problem
Matthias Bentert, Robert Brederbeck, Péter Györgyi, Andrzej Kaczmarczyk, Rolf Niedermeier

AAAI-4876: Progression Heuristics for Planning with Probabilistic LTL Constraints
Ian Mallett, Sylvie Thiebaux, Felipe Trevizan

AAAI-6211: Constrained Risk-Averse Markov Decision Processes
Mohamadreza Ahmadi, Ugo Rosolia, Michel Ingham, Richard M Murray, Aaron Ames

AAAI-4284: Latent Independent Excitation for Generalizable Sensor-Based Cross-Person Activity Recognition
Hangwei Qian, Sinno Pan, Chunyan Miao

Cluster: Intelligent Robots / Vision for Robotics

AC-D1-R1: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-2235: BT Expansion: A Sound and Complete Algorithm for Behavior Planning of Intelligent Robots with Behavior Trees
Zhongxuan Cai, Minglong Li, Wanrong Huang, Wenjing Yang

AAAI-1121: Consistent Right-Invariant Fixed-Lag Smoother with Application to Visual Inertial SLAM
Jianzhu Huai, Yukai Lin, Yuan Zhuang, Min Shi

AAAI-9831: Differentiable Fluids with Solid Coupling for Learning and Control
Tetsuya Takahashi, Junbang Liang, Yi-Ling Qiao, Ming C Lin

AAAI-299: A Global Occlusion-Aware Approach to Self-Supervised Monocular Visual Odometry
Yao Lu, Xiaoli Xu, Mingyu Ding, Zhiwu Lu, Tao Xiang

AAAI-6429: Patch-Wise Attention Network for Monocular Depth Estimation
Sihaeng Lee, Janghyeon Lee, Byungju Kim, Eojindl Yi, Junmo Kim

AAAI-1140: ePointDA: An End-to-End Simulation-to-Real Domain Adaptation Framework for LiDAR Point Cloud Segmentation
Sicheng Zhao, Yezhen Wang, Bo Li, Bichen Wu, Yang Gao, Pengfei Xu, Trevor Darrell, Kurt Keutzer

AAAI-2179: RESA: Recurrent Feature-Shift Aggregator for Lane Detection
Tu Zheng, Hao Fang, Yi Zhang, Wenjian Tang, Zheng Yang, Haifeng Liu, Deng Cai

Cluster: Philosophy and Ethics of AI

AC-D1-R1: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-9984: Multi-Dimensional Explanation of Target Variables from Documents
Diego Antognini, Claudiu Musat, Boi Faltings

AAAI-611: Ordered Counterfactual Explanation by Mixed-Integer Linear Optimization
Kentaro Kanamori, Takuya Takagi, Ken Kobayashi, Yuichi Ike, Kento Uemura, Hiroki Arimura

AAAI-2538: Exploring the Vulnerability of Deep Neural Networks: A Study of Parameter Corruption
Xu Sun, Zhiyuan Zhang, Xuancheng Ren, Ruixuan Luo, Liangyou Li

AAAI-838: Beyond Class-Conditional Assumption: A Primary Attempt to Combat Instance-Dependent Label Noise
Pengfei Chen, Junjie Ye, Guangyong Chen, Jingwei Zhao, Pheng-Ann Heng

AAAI-2937: Modeling Deep Learning Based Privacy Attacks on Physical Mail
Bingyao Huang, Ruyi Lian, Dimitris Samaras, Haibin Ling

AAAI-9866: Interpreting Multivariate Shapley Interactions in DNNs
Hao Zhang, Yichen Xie, Longjie Zheng, Die Zhang, Quanshi Zhang

AAAI-3967: Improving Model Robustness by Adaptively Correcting Perturbation Levels with Active Queries
Kun-Peng Ning, Lue Tao, Songcan Chen, Sheng-Jun Huang

AAAI-4998: Decision-Guided Weighted Automata Extraction from Recurrent Neural Networks
Xiyue Zhang, Xiaoning Du, Xiaofei Xie, Lei Ma, Yang Liu, Meng Sun

Cluster: ML: Ethics

AC-D1-R1: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-6311: Counterfactual Fairness with Disentangled Causal Effect Variational Autoencoder
Hyemi Kim, Seungjae Shin, JoonHo Jang, Kyungwoo Song, Weonyoung Joo, Wanmo Kang, Il-Chul Moon

AAAI-4838: FLAME: Differentially Private Federated Learning in the Shuffle Model
Ruixuan Liu, Yang Cao, Hong Chen, Ruoyang Guo, Masatoshi Yoshikawa

AAAI-8686: HyDRA: Hypergradient Data Relevance Analysis for Interpreting Deep Neural Networks
Yuanyuan Chen, Boyang Li, Han Yu, Pengcheng Wu, Chunyan Miao

AAAI-6897: Counterfactual Explanations for Oblique Decision Trees: Exact, Efficient Algorithms
Miguel A Carreira-Perpinan, Suryabhan Singh Hada

AAAI-3805: Constructing a Fair Classifier with Generated Fair Data
Taeuk Jang, Feng Zheng, Xiaoqian Wang

AAAI-10069: Addressing Class Imbalance in Federated Learning
Lixu Wang, Shichao Xu, Xiao Wang, Zhu Qi

AAAI-5802: Personalized Cross-Silo Federated Learning on Non-IID Data
Yutao Huang, Lingyang Chu, Zirui Zhou, Lanjun Wang, Jiangchuan Liu, Jian Pei, Yong Zhang

AAAI-8475: Controllable Guarantees for Fair Outcomes via Contrastive Information Estimation
Umang Gupta, Aaron M Ferber, Bistra Dilkina, Greg Ver Steeg

Cluster: ML: Applications

AC-D1-R1: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-6825: Differential Spectral Normalization (DSN) for PDE Discovery
Chi Chiu So, Tsz On Li, Chufang Wu, Siu Pang Yung

AAAI-155: Treatment Effect Estimation with Disentangled Latent Factors
Weijia Zhang, Lin Liu, Jiuyong Li

AAAI-4984: Towards Enabling Learnware to Handle Unseen Jobs
Yu-Jie Zhang, Yu-Hu Yan, Peng Zhao, Zhi-Hua Zhou

AAAI-955: Positions, Channels, and Layers: Fully Generalized Non-Local Network for Singer Identification
I-Yuan Kuo, Wen-Li Wei, Jen-Chun Lin

AAAI-8963: Physics-Constrained Automatic Feature Engineering for Predictive Modeling in Materials Science
Ziyu Xiang, Mingzhou Fan, Guillermo Vazquez, William Trehern, Byung-Jun Yoon, Xiaofeng Qian, Raymundo Arroyave, Xiaoning Qian

AAAI-6218: Learning Interpretable Models for Couple Networks under Domain Constraints
Hongyuan You, Sikun Lin, Ambuj Singh

AAAI-8983: Boosting Multi-task Learning through Combination of Task Labels - with Applications in ECG Phenotyping
Ming-En Hsieh, Vincent Tseng

AAAI-4766: Riemannian Embedding Banks for Common Spatial Patterns with EEG-Based SPD Neural Networks
Yoon-Je Suh, Byung Hyung Kim

Cluster: NLP: Summarization / Discourse

AC-D1-R1: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-240: Topic-Oriented Spoken Dialogue Summarization for Customer Service with Saliency-Aware Topic Modeling
Yicheng Zou, Lujun Zhao, Yangyang Kang, Jun Lin, Minlong Peng, Zhuoren Jiang, Changlong Sun, Qi Zhang, Xuanjing Huang, Xiaozhong Liu

AAAI-9842: Contextualized Rewriting for Text Summarization
Guangsheng Bao, Yue Zhang

AAAI-8523: Have We Solved the Hard Problem? It's Not Easy! Contextual Lexical Contrast as a Means to Probe Neural Coherence
Wenqiang Lei, Yisong Miao, Rungpeng Xie, Bonnie Webber, Meichun Liu, Tat-Seng Chua, Nancy Chen

AAAI-68: Meta-Transfer Learning for Low-Resource Abstractive Summarization
Yi-Syuan Chen, Hong-Han Shuai

AAAI-2281: The Style-Content Duality of Attractiveness: Learning to Write Eye-Catching Headlines via Disentanglement
Mingzhe Li, Xiuying Chen, Min Yang, Shen Gao, Dongyan Zhao, Rui Yan

AAAI-8912: Flexible Non-Autoregressive Extractive Summarization with Threshold: How to Extract a Non-Fixed Number of Summary Sentences
Ruipeng Jia, Yanan Cao, Haichao Shi, Fang Fang, Pengfei Yin, Shi Wang

AAAI-1471: Neural Sentence Ordering Based on Constraint Graphs
Yutao Zhu, Kun Zhou, Jian-Yun Nie, Shengchao Liu, Zhicheng Dou

AAAI-3014: Hierarchical Macro Discourse Parsing Based on Topic Segmentation
Feng Jiang, Yaxin Fan, Xiaomin Chu, Li Peifeng, Zhu Qiaoming, Fang Kong

Cluster: NLP: Machine Translation & Multilinguality

AC-D1-R1: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-6514: Synchronous Interactive Decoding for Multilingual Neural Machine Translation
Hao He, Qian Wang, Zhipeng Yu, Yang Zhao, Jiajun Zhang, Chengqing Zong

AAAI-9845: Consecutive Decoding for Speech-to-Text Translation
Qianqian Q Dong, Mingxuan Wang, Hao Zhou, Shuang Xu, Bo Xu, Lei Li

AAAI-4465: Meta-Curriculum Learning for Domain Adaptation in Neural Machine Translation
Runzhe Zhan, Xuebo Liu, Derek F. Wong, Lidia S. Chao

AAAI-6502: Guiding Non-Autoregressive Neural Machine Translation Decoding with Reordering Information
Qiu Ran, Yankai Lin, Peng Li, Jie Zhou

AAAI-10344: DirectQE: Direct Pretraining for Machine Translation Quality Estimation
Qu Cui, Shujian Huang, Jiahuan Li, Xiang Geng, Zaixiang Zheng, Guoping Huang, Jiajun Chen

AAAI-4156: Finding Sparse Structure for Domain Specific Neural Machine Translation
Jianze Liang, Chengqi Zhao, Mingxuan Wang, Xipeng Qiu, Lei Li

AAAI-4527: Future-Guided Incremental Transformer for Simultaneous Translation
Shaolei Zhang, Yang Feng, Liangyou Li

AAAI-3677: An Efficient Transformer Decoder with Compressed Sub-Layers
Yanyang Li, Ye Lin, Tong Xiao, Jingbo Zhu

AC-D1-R2: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

Cluster: ML: Transfer/Adaptation/Multi-task/Meta/Automated Learning

AC-D1-R2: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-1282: Bi-Classifer Determinacy Maximization for Unsupervised Domain Adaptation
Shuang Li, Fangrui Lv, Binhui Xie, Chi Harold Liu, Jian Liang, Chen Qin

AAAI-9700: Using Hindsight to Anchor Past Knowledge in Continual Learning
Arslan Chaudhry, Albert Gordo, Puneet Dokania, Philip Torr, David Lopez-Paz

AAAI-3416: Distant Transfer Learning via Deep Random Walk
Qiao Xiao, Yu Zhang

AAAI-4182: Attributes-Guided and Pure-Visual Attention Alignment for Few-Shot Recognition
Siteng Huang, Min Zhang, Yachen Kang, Donglin Wang

AAAI-6531: Unchain the Search Space with Hierarchical Differentiable Architecture Search
Guanting Liu, Yujie Zhong, Sheng Guo, Matthew R. Scott, Weilin Huang

AAAI-384: TransTailor: Pruning the Pre-Trained Model for Improved Transfer Learning
Bingyan Liu, Yifeng Cai, Yao Guo, Xiangqun Chen

AAAI-4847: Curriculum-Meta Learning for Order-Robust Continual Relation Extraction
Tongtong Wu, Xuekai Li, Yuan-Fang Li, Reza Haffari, Guilin Qi, Yujin Zhu, Guoqiang Xu

AAAI-2186: Warm Starting CMA-ES for Hyperparameter Optimization
Masahiro Nomura, Shuhei Watanabe, Youhei Akimoto, Yoshihiko Ozaki, Masaki Onishi

Cluster: ML: Representation Learning

AC-D1-R2: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-2249: Learning a Few-Shot Embedding Model with Contrastive Learning
Chen Liu, Li Zhang, Chengming Xu, Siqian Yang, Yanwei Fu, Jilin Li, Chengjie Wang

AAAI-1041: Partial Is Better Than All: Revisiting Fine-Tuning Strategy for Few-Shot Learning
Zhiqiang Shen, Zechun Liu, Jie Qin, Marios Savvides, Kwang-Ting Cheng

AAAI-1808: HiABP: Hierarchical Initialized ABP for Unsupervised Representation Learning
Jiankai Sun, Rui Liu, Bolei Zhou

AAAI-5618: Learning Cycle-Consistent Cooperative Networks via Alternating MCMC Teaching for Unsupervised Cross-Domain Translation
Jianwen Xie, Zilong Zheng, Xiaolin Fang, Song-Chun Zhu, Ying Nian Wu

AAAI-959: Auto-Encoding Transformations in Reparameterized Lie Groups for Unsupervised Learning
Feng Lin, Haohang Xu, Houqiang Li, Hongkai Xiong, Guo-Jun Qi

AAAI-393: Dual Quaternion Knowledge Graph Embeddings
Zongsheng Cao, Qianqian Xu, Zhiyong Yang, Xiaochun Cao, Qingming Huang

AAAI-1931: Embedding Heterogeneous Networks into Hyperbolic Space without Meta-Path
Lili Wang, Chongyang Gao, Chenghan Huang, Ruibo Liu, Weicheng Ma, Soroush Vosoughi

AAAI-3486: Looking Wider for Better Adaptive Representation in Few-Shot Learning
Jiabao Zhao, Yifan Yang, Xin Lin, Jing Yang, Liang He

Cluster: ML: Reinforcement Learning

AC-D1-R2: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-9654: Foresee then Evaluate: Decomposing Value Estimation with Latent Future Prediction
Hongyao Tang, Zhaopeng Meng, Guangyong Chen, Pengfei Chen, Chen Chen, Yaodong Yang, Luo Zhang, Wulong Liu, Jianye Hao

AAAI-2136: Learning to Reweight Imaginary Transitions for Model-Based Reinforcement Learning
Wenzhen Huang, Qiyue Yin, Junge Zhang, KAIQI HUANG

AAAI-176: Exploration via State Influence Modeling
Yongxin Kang, Enmin Zhao, Kai Li, Junliang Xing

AAAI-3011: Exact Reduction of Huge Action Spaces in General Reinforcement Learning
Sultan Javed Majeed, Marcus Hutter

AAAI-9862: Distributional Reinforcement Learning via Moment Matching

Thanh Tang Nguyen, Sunil Gupta, Svetha Venkatesh

AAAI-5008: Towards Effective Context for Meta-Reinforcement Learning: An Approach Based on Contrastive Learning
Haotian Fu, Hongyao Tang, Jianye Hao, Chen Chen, Xidong Feng, Dong Li, Wulong Liu

AAAI-5058: Toward Robust Long Range Policy Transfer
Wei-Cheng Tseng, Jin-Siang Lin, Yao-Min Feng, Min Sun

AAAI-3607: Stabilizing Q Learning via Soft Mellowmax Operator
Yaozhong Gan, Zhe Zhang, Xiaoyang Tan

Cluster: ML: Adversarial Learning, Attacks & Robustness

AC-D1-R2: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-9943: Stable Adversarial Learning under Distributional Shifts
Jiashuo Liu, Zheyang Shen, Peng Cui, Linjun Zhou, Kun Kuang, Bo Li, Yishi Lin

AAAI-7120: Adversarial Defense by Diversified Simultaneous Training of Deep Ensembles
Bo Huang, Zhiwei Ke, Yi Wang, Wei Wang, Linlin Shen, Feng Liu

AAAI-10266: Defending against Backdoors in Federated Learning with Robust Learning Rate
Mustafa S Ozdayi, Murat Kantarcioglu, Yulia R. Gel

AAAI-9436: Token-Aware Virtual Adversarial Training in Natural Language Understanding
Linyang Li, Xipeng Qiu

AAAI-9770: Error-Correcting Output Codes with Ensemble Diversity for Robust Learning in Neural Networks
Yang Song, Qiyu Kang, Wee Peng Tay

AAAI-2050: ExGAN: Adversarial Generation of Extreme Samples
Siddharth Bhatia, Arijit Jain, Bryan Hooi

AAAI-4279: HiGAN: Handwriting Imitation Conditioned on Arbitrary-Length Texts and Disentangled Styles
Ji Gan, Weiqiang Wang

AAAI-9721: Empower Distantly Supervised Relation Extraction with Collaborative Adversarial Training
Tao Chen, Haochen Shi, Liyuan Liu, Siliang Tang, Jian Shao, Zhigang Chen, Yueting Zhuang

Cluster: ML: Multi-Class / Multi-label / Multi-view Learning

AC-D1-R2: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-3365: Uncertainty-Aware Multi-View Representation Learning
Yu Geng, Zongbo Han, Changqing Zhang, Qinghua Hu

AAAI-9401: Exploiting Unlabeled Data via Partial Label Assignment for Multi-Class Semi-Supervised Learning
Zhen-Ru Zhang, Qian-Wen Zhang, Yunbo Cao, Min-Ling Zhang

AAAI-6937: Exploratory Machine Learning with Unknown Unknowns
Peng Zhao, Yu-Jie Zhang, Zhi-Hua Zhou

AAAI-9663: Modular Graph Transformer Networks for Multi-Label Image Classification
Hoang D. Nguyen, Xuan-Son Vu, Duc-Trong Le

AAAI-4269: LightXML: Transformer with Dynamic Negative Sampling for High-Performance Extreme Multi-Label Text Classification
Ting Jiang, Deqing Wang, Leilei Sun, Huayi Yang, Zhengyang Zhao, Fuzhen Zhuang

AAAI-6033: Neighborhood Consensus Networks for Unsupervised Multi-View Outlier Detection
Li Cheng, Yijie Wang, Xinwang Liu

AAAI-6281: Continual Learning by Using Information of Each Class Holistically
Wenpeng Hu, Qi Qin, Mengyu Wang, Jinwen Ma, Bing Liu

Cluster: Vision: Image and Video Retrieval

AC-D1-R2: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-3459: Decoupled and Memory-Reinforced Networks: Towards Effective Feature Learning for One-Step Person Search
Chuchu Han, Zhedong Zheng, Changxin Gao, Nong Sang, Yi Yang

AAAI-1275: Proxy Synthesis: Learning with Synthetic Classes for Deep Metric Learning

Geonmo Gu, Byungsoo Ko, Han-Gyu Kim

AAAI-3066: Exploiting Sample Uncertainty for Domain Adaptive Person Re-Identification
Kecheng Zheng, Cuiling Lan, Wenjun Zeng, Zhizheng Zhang, Zheng-Jun Zha

AAAI-267: Asynchronous Teacher Guided Bit-wise Hard Mining for Online Hashing
Sheng Jin, Qin Zhou, Hongxun Yao, Yao Liu, Xian-Sheng Hua

AAAI-328: Camera-Aware Proxies for Unsupervised Person Re-Identification
Menglin Wang, Baisheng Lai, Jianqiang Huang, Xiaojin Gong, Xian-Sheng Hua

AAAI-3735: Dual Distribution Alignment Network for Generalizable Person Re-Identification
Peixian Chen, Pingyang Dai, Jianzhuang Liu, Feng Zheng, Mingliang Xu, Qi Tian, Rongrong Ji

AAAI-578: Learning to Attack Real-World Models for Person Re-Identification via Virtual-Guided Meta-Learning
Fengxiang Yang, Zhun Zhong, Hong Liu, Zheng Wang, Zhiming Luo, Shaozi Li, Nicu Sebe, Shin'ichi Satoh

AAAI-1633: AutoLR: Layer-Wise Pruning and Auto-Tuning of Learning Rates in Fine-Tuning of Deep Networks
Youngmin Ro, Jin Young Choi

Cluster: Vision: Object Detection & Categorization

AC-D1-R2: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-589: Domain General Face Forgery Detection by Learning to Weight
Ke Sun, Hong Liu, Qixiang Ye, Yue Gao, Jianzhuang Liu, Ling Shao, Rongrong Ji

AAAI-364: R3Det: Refined Single-Stage Detector with Feature Refinement for Rotating Object
Xue Yang, Junchi Yan, Ziming Feng, Tao He

AAAI-2571: Instance Mining with Class Feature Banks for Weakly Supervised Object Detection
Yufei Yin, Jiajun Deng, Wengang Zhou, Houqiang Li

AAAI-4658: Adaptive Pattern-Parameter Matching for Robust Pedestrian Detection
Mengyin Liu, Chao Zhu, Jun Wang, Xu-Cheng Yin

AAAI-8813: Bag of Tricks for Long-Tailed Visual Recognition with Deep Convolutional Neural Networks
Yongshun Zhang, Xiu-Shen Wei, Boyan Zhou, Jianxin Wu

AAAI-2764: Dynamic Anchor Learning for Arbitrary-Oriented Object Detection
Qi Ming, Zhiqiang Zhou, Lingjuan Miao, Hongwei Zhang, Linhao Li

AAAI-1612: GradingNet: Towards Providing Reliable Supervisions for Weakly Supervised Object Detection by Grading the Box Candidates
Qifei Jia, Shikui Wei, Tao Ruan, Zhao Yufeng, Yao Zhao

AAAI-869: DPFPS: Dynamic and Progressive Filter Pruning for Compressing Convolutional Neural Networks from Scratch
Xiaofeng Ruan, Yufan Liu, Bing Li, Chunfeng Yuan, Weiming Hu

Cluster: 3D Computer Vision

AC-D1-R2: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-6950: PointNet: Point Cloud Frame Interpolation Network
Fan Lu, Guang Chen, Sanqing Qu, Zhijun Li, Yinlong Liu, Alois Knoll

AAAI-3653: Point Cloud Semantic Scene Completion from RGB-D Images
Shoulong Zhang, Shuai Li, Aimin Hao, Hong Qin

AAAI-4979: Semantic Consistency Networks for 3D Object Detection
Wenwen Wei, Ping Wei, Nanning Zheng

AAAI-1173: Weakly Supervised Semantic Segmentation for Large-Scale Point Cloud
Yachao Zhang, Zonghao Li, Yuan Xie, Yanyun Qu, Li Cui-hua, Tao Mei

AAAI-605: Sparse Single Sweep LiDAR Point Cloud Segmentation via Learning Contextual Shape Priors from Scene Completion
Xu Yan, Jiantao Gao, Jie Li, Ruimao Zhang, Zhen Li, Rui Huang, Shuguang Cui

AAAI-4341: CPCGAN: A Controllable 3D Point Cloud Generative Adversarial Network with Semantic Label Generating
Ximing Yang, Yuan Wu, Kaiyi Zhang, Cheng Jin

AAAI-3606: SSPC-Net: Semi-Supervised Semantic 3D Point Cloud Segmentation Network

Mingmei Cheng, Le Hui, Jin Xie, Jian Yang

AAAI-1571: BSN++: Complementary Boundary Regressor with Scale-Balanced Relation Modeling for Temporal Action Proposal Generation
Haisheng Su, Weihao Gan, Wei Wu, Yu Qiao, Junjie Yan

Cluster: Vision: Biometrics, Face, Gesture & Pose

AC-D1-R2: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-1250: TDAF: Top-Down Attention Framework for Vision Tasks
Bo Pang, Yizhuo Li, Jiefeng Li, Muchen Li, Hanwen Cao, Cewu Lu

AAAI-5421: AnchorFace: An Anchor-Based Facial Landmark Detector across Large Poses
Zixuan Xu, Banghuai Li, Ye Yuan, Miao Geng

AAAI-1364: Searching for Alignment in Face Recognition
Xiaqing Xu, Qiang Meng, Yunxiao Qin, Jianzhu Guo, Chenxu Zhao, Feng Zhou, Zhen Lei

AAAI-1964: Local Relation Learning for Face Forgery Detection
Shen Chen, Taiping Yao, Yang Chen, Shouhong Ding, Jilin Li, Rongrong Ji

AAAI-7196: Self-Domain Adaptation for Face Anti-Spoofing
Jingjing Wang, Jingyi Zhang, Bian Ying, Youyi Cai, Chunmao Wang, Shiliang Pu

AAAI-807: Adversarial Pose Regression Network for Pose-Invariant Face Recognitions
Pengyu Li, Biao Wang, Lei Zhang

AAAI-483: Context-Guided Adaptive Network for Efficient Human Pose Estimation
Lei Zhao, Jun Wen, Pengfei Wang, Nenggan Zheng

AAAI-5908: Order Regularization on Ordinal Loss for Head Pose, Age and Gaze Estimation
Hui Zhang, Tianchu Guo, Jae-Joon Han, ByungIn Yoo, Yongchao Liu, Youngjun Kwak

Cluster: Language and Vision

AC-D1-R2: Thursday, February 4, 4:45 PM - 6:30 PM PST and Friday, February 5, 12:45 AM - 2:30 AM PST

AAAI-885: MANGO: A Mask Attention Guided One-Stage Scene Text Spotter
Liang Qiao, Ying Chen, Zhanzhan Cheng, Yunlu Xu, Yi Niu, Shiliang Pu, Fei Wu

AAAI-861: SPIN: Structure-Preserving Inner Offset Network for Scene Text Recognition
Chengwei Zhang, Yunlu Xu, Zhanzhan Cheng, Shiliang Pu, Yi Niu, Fei Wu, Futai Zou

AAAI-1370: Efficient Object-Level Visual Context Modeling for Multimodal Machine Translation: Masking Irrelevant Objects Helps Grounding
Dexin Wang, Deyi Xiong

AAAI-7071: Semantic Grouping Network for Video Captioning
Hobin Ryu, Sunghun Kang, Haeyong Kang, Chang D. Yoo

AAAI-3254: Dense Events Grounding in Video
Peijun Bao, Qian Zheng, Yadong Mu

AAAI-5323: Mind-the-Gap! Unsupervised Domain Adaptation for Text-Video Retrieval
Qingchao Chen, Yang Liu, Samuel Albanie

AAAI-5036: Simple is Not Easy: A Simple Strong Baseline for TextVQA and TextCaps
Qi Zhu, Chenyu Gao, Peng Wang, Qi Wu

AAAI-4875: Static-Dynamic interaction Networks for Offline Signature Verification
Huan Li, Ping Wei, Ping Hu

AB-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

Cluster: Heuristic and Greedy Search

AB-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-8488: Necessary and Sufficient Conditions for Avoiding Reopenings in Best First Suboptimal Search with General Bounding Functions
Jingwei Chen, Nathan R Sturtevant

AAAI-2782: f-Aware Conflict Prioritization & Improved Heuristics for Conflict-Based Search
Eli Boyarski, Ariel Felner, Pierre Le Bodic, Daniel Harabor, Peter Stuckey, Sven Koenig

AAAI-2912: Policy-Guided Heuristic Search with Guarantees
Laurent Orseau, Levi H. S. Lelis

AAAI-1745: Choosing the Initial State for Online Replanning
Maximilian Fickert, Ivan Gavran, Ivan Fedotov, Joerg Hoffmann, Rupak Majumdar, Wheeler Ruml

AAAI-8154: Multi-Goal Multi-Agent Path Finding via Decoupled and Integrated Goal Vertex Ordering
Pavel Surynek

AAAI-6811: Escaping Local Optima with Non-Elitist Evolutionary Algorithms
Duc-Cuong Dang, Anton Eremeev, Per Kristian Lehre

AAAI-83: NuQClq: An Effective Local Search Algorithm for Maximum Quasi-Clique Problem
Jiejing Chen, Shaowei Cai, Shiwei Pan, Yiyuan Wang, Qingwei Lin, Mengyu Zhao, Minghao Yin

AAAI-7892: Combining Preference Elicitation with Local Search and Greedy Search for Matroid Optimization
Nawal Benabbou, Cassandre Leroy, Thibaut Lust, Patrice Perny

Cluster: Multiagent Systems

AB-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-7929: The Influence of Memory in Multi-Agent Consensus
David Kohan Marzagão, Luciana Basualdo Bonatto, Tiago Madeira, Marcelo Matheus Gauy, Peter McBurney

AAAI-710: Maintenance of Social Commitments in Multiagent Systems
Pankaj Telang, Munindar Singh, Neil Yorke-Smith

AAAI-5046: Anytime Heuristic and Monte Carlo Methods for Large-Scale Simultaneous Coalition Structure Generation and Assignment
Fredrik Prántare, Fredrik Heintz, Herman Appelgren

AAAI-5995: Synchronous Dynamical Systems on Directed Acyclic Graphs: Complexity and Algorithms
Daniel J Rosenkrantz, Madhav Marathe, S S Ravi, Richard Stearns

AAAI-5712: Resilient Multi-Agent Reinforcement Learning with Adversarial Value Decomposition
Thomy Phan, Lenz Belzner, Thomas Gabor, Andreas Sedlmeier, Fabian Ritz, Claudia Linnhoff-Popien

AAAI-3326: Newton Optimization on Helmholtz Decomposition for Continuous Games
Giorgia Ramponi, Marcello Restelli

Cluster: Planning

AB-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-7938: Learning General Planning Policies from Small Examples without Supervision
Guillem Frances, Blai Bonet, Hector Geffner

AAAI-5487: Responsibility Attribution in Parameterized Markovian Models
Christel Baier, Florian Funke, Rupak Majumdar

AAAI-5012: Improved POMDP Tree Search Planning with Prioritized Action Branching
John Mern, Anil Yildiz, Lawrence Bush, Tapan Mukerji, Mykel Kochenderfer

AAAI-4859: An LP-Based Approach for Goal Recognition as Planning
Luísa R. A. Santos, Felipe Meneguzzi, Ramon Fraga Pereira, André Grahl Pereira

AAAI-8081: Online Action Recognition
Alejandro Suárez-Hernández, Javier Segovia-Aguas, Carme Torras, Guillem Alenyà

AAAI-5230: Faster Stackelberg Planning via Symbolic Search and Information Sharing
Alvaro Torralba, Patrick Speicher, Robert Künnemann, Marcel Steinmetz, Joerg Hoffmann

AAAI-5474: Improved Knowledge Modeling and Its Use for Signaling in Multi-Agent Planning with Partial Observability
Shashank Shekhar, Ronen Brafman, Guy Shani

AAAI-5837: Asking the Right Questions: Learning Interpretable Action Models through Query Answering
Pulkit Verma, Shashank Rao Marpally, Siddharth Srivastava

Cluster: Fair Division

AB-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-5401: Achieving Proportionality up to the Maximin Item with Indivisible Goods
Artem Baklanov, Pranav Garimidi, Vasilis Gkatzelis, Daniel R Schoepflin

AAAI-1346: Fair and Truthful Mechanisms for Dichotomous Valuations
Moshe Babaioff, Tomer Ezra, Uriel Feige

AAAI-943: Dividing a Graphical Cake
Xiaohui Bei, Warut Suksompong

AAAI-6121: Fair and Efficient Allocations under Subadditive Valuations
Bhaskar R Chaudhury, Jugal Garg, Ruta Mehta

AAAI-829: The Price of Connectivity in Fair Division
Xiaohui Bei, Ayumi Igarashi, Xinhang Lu, Warut Suksompong

AAAI-8106: Fair and Efficient Allocations with Limited Demands
Sushirdeep Narayana, Ian Kash

Cluster: Game Theory

AB-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-6910: Online Posted Pricing with Unknown Time-Discounted Valuations
Giulia Romano, Alberto Marchesi, Gianluca Tartaglia, Nicola Gatti

AAAI-4870: Double Oracle Algorithm for Computing Equilibria in Continuous Games
Lukáš Adam, Rostislav Horčík, Tomáš Kasl, Tomáš Kroupa

AAAI-4968: Signaling in Bayesian Network Congestion Games: The Subtle Power of Symmetry
Matteo Castiglioni, Andrea Celli, Alberto Marchesi, Nicola Gatti

AAAI-1436: Forming Better Stable Solutions in Group Formation Games Inspired by Internet Exchange Points (IXPs)
Elliot Anshelevich, Wennan Zhu

AAAI-7443: Computing Quantal Stackelberg Equilibrium in Extensive-Form Games
Jakub Cerny, Viliam Lisy, Branislav Bošanský, Bo An

AAAI-4616: Reaching Individually Stable Coalition Structures in Hedonic Games
Felix Brandt, Martin Bullinger, Anaëlle Wilczynski

AAAI-5056: Trembling-Hand Perfection and Correlation in Sequential Games
Alberto Marchesi, Nicola Gatti

AAAI-397: Defending against Contagious Attacks on a Network with Resource Reallocation
Rufan Bai, Haoxing Lin, Xinyu Yang, Xiaowei Wu, Minming Li, Weijia Jia

Cluster: Philosophy and Ethics of AI

AB-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-4349: Interpreting Deep Neural Networks with Relative Sectional Propagation by Analyzing Comparative Gradients and Hostile Activations
Woo Jeoung Nam, Jaesik Choi, Seong-Whan Lee

AAAI-2334: TripleTree: A Versatile Interpretable Representation of Black Box Agents and their Environments
Tom Bewley, Jonathan Lawry

AAAI-9225: Visualization of Supervised and Self-Supervised Neural Networks via Attribution Guided Factorization
Shir Gur, Ameen Ali, Lior Wolf

AAAI-10193: Invertible Concept-Based Explanations for CNN Models with Non-Negative Concept Activation Vectors
Ruihan Zhang, Prashan M Madumal, Tim Miller, Krista A. Ehinger, Benjamin Rubinstein

AAAI-7570: Explaining Convolutional Neural Networks through Attribution-Based Input Sampling and Block-Wise Feature Aggregation
Sam Sattarzadeh, Mahesh Sudhakar, Anthony Lem, Shervin Mehryar, Konstantinos N Plataniotis, Jongseong Jang, Hyunwoo Kim, Yeonjeong Jeong, SangMin Lee, Kyunghoon Bae

AAAI-2721: FIMAP: Feature Importance by Minimal Adversarial Perturbation
Matt Chapman-Rounds, Umang Bhatt, Erik Pazos, Marc-Andre Schulz, Konstantinos Georgatzis

AAAI-2862: On Generating Plausible Counterfactual and Semi-Factual Explanations for Deep Learning
Eoin Kenny, Mark Keane

AAAI-8118: i-Algebra: Towards Interactive Interpretability of Deep Neural Networks
Xinyang Zhang, Pang Ren, Shouling Ji, Fenglong Ma, Ting Wang

Cluster: Data Mining & Knowledge Management

AB-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-6351: Hierarchical Negative Binomial Factorization for Recommender Systems on Implicit Feedback
Li-Yen Kuo, Ming-Syan Chen

AAAI-5131: GaussianPath: A Bayesian Multi-Hop Reasoning Framework for Knowledge Graph Reasoning
Guojia Wan, Bo Du

AAAI-9078: (Comet-) Atomic 2020: On Symbolic and Neural Commonsense Knowledge Graphs
Jena D Hwang, Chandra Bhagavatula, Ronan Le Bras, Jeff Da, Keisuke Sakaguchi, Antoine Bosselut, Yejin Choi

AAAI-10118: Learning Set Functions that are Sparse in Non-Orthogonal Fourier Bases
Chris Wendler, Andisheh Amrollahi, Bastian Seifert, Andreas Krause, Markus Püschel

AAAI-7565: Neural Utility Functions
Porter Jenkins, Ahmad Farag, Stockton Jenkins, Huaxiu Yao, Suhang Wang, Zhenhui Li

AAAI-7945: Neural Latent Space Model for Dynamic Networks and Temporal Knowledge Graphs
Tony Gracious, Shubham Gupta, Arun Kanthali, Rui Castro, Ambedkar Dukkipati

Cluster: Healthcare & Covid Applications

AB-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-86: MiniSeg: An Extremely Minimum Network for Efficient COVID-19 Segmentation
Yu Qiu, Yun Liu, Shijie Li, Jing Xu

AAAI-7072: Learning Complex 3D Human Self-Contact
Mihai Fieraru, Mihai Zanfir, Elisabeta Oneata, Alin-Ionut Popa, Vlad Olaru, Cristian Sminchisescu

AAAI-4224: Diagnose Like a Pathologist: Weakly-Supervised Pathologist-Tree Network for Slide-Level Immunohistochemical Scoring
Zhen Chen, Jun Zhang, Shuanlong Che, Junzhou Huang, Xiao Han, Yixuan Yuan

AAAI-5245: ECG ODE-GAN: Learning Ordinary Differential Equations of ECG Dynamics via Generative Adversarial Learning
Tomer Golany, Kira Radinsky, Daniel Freedman

AAAI-4986: Region-Aware Global Context Modeling for Automatic Nerve Segmentation from Ultrasound Images
Huisi Wu, Jiasheng Liu, Wei Wang, Zhenkun Wen, Jing Qin

Cluster: Applications

AB-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-437: SMIL: Multimodal Learning with Severely Missing Modality
Mengmeng Ma, Jian Ren, Long Zhao, Sergey Tulyakov, Cathy Wu, Xi Peng

AAAI-8771: Online 3D Bin Packing with Constrained Deep Reinforcement Learning
Hang Zhao, Qijin She, Chenyang Zhu, Yin Yang, Kai Xu

AAAI-5292: Learning to Stop: Dynamic Simulation Monte-Carlo Tree Search
Li Cheng Lan, Cho-Jui Hsieh, Ti-Rong Wu, I-Chen Wu

AAAI-5694: Decentralised Learning from Independent Multi-Domain Labels for Person Re-Identification
Guile Wu, Shaogang Gong

AAAI-7297: Complex Coordinate-Based Meta-Analysis with Probabilistic Programming
Valentin Iovene, Gaston E Zanitti, Demian Wassermann

AAAI-6008: Automated Symbolic Law Discovery: A Computer Vision Approach
Hengrui Xing, Ansa Sallab Aouissi, Nakul Verma

AAAI-9018: Differentially Private Link Prediction with Protected Connections
Abir De, Soumen Chakrabarti

AAAI-6180: RNA Secondary Structure Representation Network for RNA-Proteins Binding Prediction
Liu Ziyi, Fulin Luo, Bo Du

Cluster: AI for Conference Organization and Delivery

AB-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-4992: Catch Me If I Can: Detecting Strategic Behaviour in Peer Assessment
Ivan Stelmakh, Nihar Shah, Aarti Singh

AAAI-4960: A Novice-Reviewer Experiment to Address Scarcity of Qualified Reviewers in Large Conferences
Ivan Stelmakh, Nihar Shah, Aarti Singh, Hal Daume

AAAI-3310: Argument Mining Driven Analysis of Peer-Reviews
Michael Fromm, Evgeniy Faerman, Max Berrendorf, Siddharth Bhargava, Ruoxia Qi, Yao Zhang, Lukas Dennert, Sophia Selle, Yang Mao, Thomas Seidl

AAAI-5638: A Market-Inspired Bidding Scheme for Peer Review Paper Assignment
Reshef Meir, Jerome Lang, Julien Lesca, Nicholas Mattei, Natan Kaminsky

AB-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

Cluster: AI for Social Impact

AB-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AISI-4304: Predicting Forest Fire Using Remote Sensing Data and Machine Learning
Suwei Yang, Massimo Lupascu, Kuldeep S Meel

AISI-7578: Prediction of Landfall Intensity, Location, and Time of a Tropical Cyclone
Sandeep Kumar, Koushik Biswas, Ashish Kumar Pandey

AISI-8315: RainBench: Towards Data-Driven Global Precipitation Forecasting from Satellite Imagery
Christian A Schroeder de Witt, Catherine Tong, Valentina Zantedeschi, Daniele De Martini, Alfredo Kalaitzis, Matthew Chantry, Duncan Watson-Parris, Piotr Bilinski

AISI-8710: Using Radio Archives for Low-Resource Speech Recognition: Towards an Intelligent Virtual Assistant for Illiterate Users
Moussa Doumbouya, Lisa Einstein, Chris Piech

AISI-2361: Accelerating Ecological Sciences from Above: Spatial Contrastive Learning for Remote Sensing
Johan Björck, Brendan Rapazzo, Qinru Shi, Carrie Brown-Lima, Jennifer Dean, Angela Fuller, Carla P Gomes

AISI-9334: Traffic Flow Forecasting with Spatial-Temporal Graph Diffusion Network
Xiyue Zhang, Chao Huang, Yong Xu, Lianghao Xia, Peng Dai, Liefeng Bo, Junbo Zhang, Yu Zheng

AISI-1438: Fair and Interpretable Algorithmic Hiring Using Evolutionary Many Objective Optimization
Michael Geden, Joshua Andrews

AISI-5196: Goten: GPU-Outsourcing Trusted Execution of Neural Network Training and Prediction
Lucien K.L. Ng, Sherman S. M. Chow, Pui Yung Anna Woo, Yongjun Zhao

AISI-6699: A Universal 2-State n-Action Adaptive Management Solver
Luz V Pascal, Marianne Akian, Sam Nicol, Iadine Chades

AISI-6902: Fairness in Influence Maximization through Randomization
Ruben Becker, Gianlorenzo D'Angelo, Sajjad Ghobadi, Hugo Gilbert

AISI-3785: Intelligent Recommendations for Citizen Science
Kobi Gal, Guy Shani, Avi Segal, Darlene Cavalier, Daniel Ben Zaken

AISI-7467: Computational Visual Ceramicology: Matching Image Outlines to Catalog Sketches
Barak Itkin, Lior Wolf, Nachum Dershowitz

AISI-9414: HateXplain: A Benchmark Dataset for Explainable Hate Speech Detection
Binny Mathew, Punyajoy Saha, Seid Muhie Yimam, Chris Biemann, Pawan Goyal, Animesh Mukherjee

Cluster: NLP: Generation

AB-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-9291: Exploring Explainable Selection to Control Abstractive Summarization
Haonan Wang, Yang Gao, Yu Bai, Mirella Lapata, Heyan Huang

AAAI-2386: Enhancing Scientific Papers Summarization with Citation Graph
Chenxin An, Ming Zhong, Yiran Chen, Danqing Wang, Xipeng Qiu, Xuanjing Huang

AAAI-3193: Adaptive Prior-Dependent Correction Enhanced Reinforcement Learning for Natural Language Generation
Wei Cheng, Ziyang Luo, Qiyue Yin

AAAI-179: How to Train Your Agent to Read and Write
Li Liu, Mengge He, Guanghui Xu, Mingkui Tan, Qi Wu

AAAI-4481: TextGAIL: Generative Adversarial Imitation Learning for Text Generation
Qingyang Wu, Lei Li, Zhou Yu

AAAI-1991: EQG-RACE: Examination-Type Question Generation
Xin Jia, Wenjie Zhou, Xu Sun, Yunfang Wu

Cluster: ML: Unsupervised & Self-Supervised Learning

AB-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-4322: SeCo: Exploring Sequence Supervision for Unsupervised Representation Learning
Ting Yao, Yiheng Zhang, Zhaofan Qiu, Yingwei Pan, Tao Mei

AAAI-6503: Scheduled Sampling in Vision-Language Pretraining with Decoupled Encoder-Decoder Network
Yehao Li, Yingwei Pan, Ting Yao, Jingwen Chen, Tao Mei

AAAI-8365: Fake it Till You Make it: Self-Supervised Semantic Shifts for Monolingual Word Embedding Tasks
Maurício G Gruppi, Pin-Yu Chen, Sibel Adali

AAAI-3520: Multi-Type Disentanglement without Adversarial Training
Lei Sha, Thomas Lukasiewicz

AAAI-10136: A Theory of Independent Mechanisms for Extrapolation in Generative Models
Michel Besserve, Remy Sun, Dominik Janzing, Bernhard Schölkopf

AAAI-2308: Fast PCA in 1-D Wasserstein Spaces via B-splines Representation and Metric Projection
Matteo Pegoraro, Mario Beraha

AAAI-1895: Generalized Adversarially Learned Inference
Yatin Dandi, Homanga Bharadhwaj, Abhishek Kumar, Piyush Rai

AAAI-3708: Enhancing Unsupervised Video Representation Learning by Decoupling the Scene and the Motion
Jinpeng Wang, Yuting Gao, Ke Li, Jianguo Hu, Xinyang Jiang, Xiaowei Guo, Rongrong Ji, Xing Sun

Cluster: ML: Reinforcement Learning

AB-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-2352: Relative Variational Intrinsic Control
Kate A Baumli, David Warde-Farley, Steven Hansen, Vlad Mnih

AAAI-7812: Text-Based RL Agents with Commonsense Knowledge: New Challenges, Environments and Baselines
Keerthiram Murugesan, Mattia Atzeni, Pavan Kapanipathi, Pushkar Shukla, Sadhana Kumaravel, Gerald Tesauro, Kartik Talamadupula, Mrinmaya Sachan, Murray Campbell

AAAI-5674: High-Confidence Off-Policy (or Counterfactual) Variance Estimation
Yash Chandak, Shiv Shankar, Philip Thomas

AAAI-7657: The Value-Improvement Path: Towards Better Representations for Reinforcement Learning
Will Dabney, Andre Barreto, Mark Rowland, Robert Dadashi, John Quan, Marc G. Bellemare, David Silver

AAAI-2971: Lipschitz Lifelong Reinforcement Learning
Erwan Lecarpentier, David Abel, Kavosh Asadi, Yuu Jinnai, Emmanuel Rachelson, Michael L. Littman

AAAI-9905: TempLe: Learning Template of Transitions for Sample Efficient Multi-Task RL
Yanchao Sun, Xiangyu Yin, Furong Huang

AAAI-9871: Task-Agnostic Exploration via Policy Gradient of a Non-Parametric State Entropy Estimate
Mirco Mutti, Lorenzo Pratisoli, Marcello Restelli

AAAI-10043: Variance Penalized On-Policy and Off-Policy Actor-Critic
Arushi Jain, Gandharv Patil, Ayush Jain, Khimya Khetarpal, Doina Precup

Cluster: ML: Clustering

AB-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-5031: The Parameterized Complexity of Clustering Incomplete Data
Eduard Eiben, Robert Ganian, Iyad Kanj, Sebastian Ordyniak, Stefan Szeider

AAAI-2608: Automated Clustering of High-Dimensional Data with a Feature Weighted Mean-Shift Algorithm
Saptarshi Chakraborty, Debolina Paul, Swagatam Das

AAAI-5725: Deep Probabilistic Canonical Correlation Analysis
Mahdi Karami, Dale Schuurmans

AAAI-830: Hierarchical Multiple Kernel Clustering
Jiyuan Liu, Xinwang Liu, Siwei Wang, Sihang Zhou, Yuexiang Yang

AAAI-2808: Learning Representations for Incomplete Time Series Clustering
Qianli Ma, Chuxin Chen, Sen Li, Garrison Cottrell

Cluster: ML: Time-Series/Data Streams

AB-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-9863: Learning Dynamics Models with Stable Invariant Sets
Naoya Takeishi, Yoshinobu Kawahara

AAAI-7739: CloudLSTM: A Recurrent Neural Model for Spatiotemporal Point-Cloud Stream Forecasting
Chaoyun Zhang, Marco Fiore, Iain Murray, Paul Patras

AAAI-8153: Learning Precise Temporal Point Event Detection with Misaligned Labels
Julien Schroeter, Kirill Sidorov, David Marshall

AAAI-1404: Revisiting Co-Occurring Directions: Sharper Analysis and Efficient Algorithm for Sparse Matrices
Luo Luo, Cheng Chen, Guangzeng Xie, Haishan Ye

AAAI-2681: Storage Fit Learning with Feature Evolvable Streams
Bo-Jian Hou, Yu-Hu Yan, Peng Zhao, Zhi-Hua Zhou

AAAI-2939: Vector Quantized Bayesian Neural Network Inference for Data Streams
Namuk Park, Taekyu Lee, Songkuk Kim

Cluster: ML: Relational / Graph-Based Machine Learning

AB-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-5077: Answering Complex Queries in Knowledge Graphs with Bidirectional Sequence Encoders
Bhushan Kotnis, Carolin Lawrence, Mathias Niepert

AAAI-7576: Cascade Size Distributions: Why They Matter and How To Compute Them Efficiently
Rebekka Burkholz, John Quackenbush

AAAI-4267: Disentangled Representation Learning in Heterogeneous Information Network for Large-Scale Android Malware Detection in the COVID-19 Era and Beyond
Shifu Hou, Yujie Fan, Mingxuan Ju, Yanfang Ye, Wenqiang Wan, Kui Wang, Yinming Mei, Qi Xiong, Fudong Shao

AAAI-8113: 5* Knowledge Graph Embeddings with Projective Transformations
Mojtaba Nayyeri, Sahar Vahdati, Can Aykul, Jens Lehmann

AAAI-9870: Power up! Robust Graph Convolutional Network via Graph Powering
Heng Chang, Ming Jin, Wenwu Zhu, Somayeh Sojoudi

AAAI-110: Knowledge Refactoring for Inductive Program Synthesis
Sebastijan Dumancic, Tias Guns, Andrew Cropper

AAAI-9999: Unsupervised Learning of Graph Hierarchical Abstractions with Differentiable Coarsening and Optimal Transport

Tengfei Ma, Jie Chen

AAAI-4382: Uncertainty-Matching Graph Neural Networks to Defend against Poisoning Attacks
Uday Shankar Shanthamallu, Jayaraman J. Thiagarajan, Andreas Spanias

Cluster: Vision: Image and Video Retrieval

AB-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-283: Weakly Supervised Deep Hyperspherical Quantization for Image Retrieval
Jinpeng Wang, Bin Chen, Qiang Zhang, Zaiqiao Meng, Shangsong Liang, Shutao Xia

AAAI-3211: Scene Graph Embeddings Using Relative Similarity Supervision
Paridhi Maheshwari, Ritwick Chaudhry, Vishwa Vinay

AAAI-4186: One for More: Selecting Generalizable Samples for Generalizable ReID Model
Enwei Zhang, Xinyang Jiang, Hao Cheng, Ancong Wu, Fufu Yu, Ke Li, Xiaowei Guo, Feng Zheng, Wei-Shi Zheng, Xing Sun

AAAI-3897: Diverse Knowledge Distillation for End-to-End Person Search
Xinyu Zhang, Xinlong Wang, Jia-Wang Bian, Chunhua Shen, Mingyu You

AAAI-996: Matching on Sets: Conquer Occluded Person Re-Identification Without Alignment
Mengxi Jia, Xinhua Cheng, Yunpeng Zhai, Shijian Lu, Siwei Ma, Yonghong Tian, Jian Zhang

AAAI-2585: Dual Compositional Learning in Interactive Image Retrieval
Jongseok Kim, Youngjae Yu, Hoeseong Kim, Gunhee Kim

Cluster: Vision: Object Detection & Categorization

AB-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-949: Few-Shot Lifelong Learning
Pratik Mazumder, Pravendra Singh, Piyush Rai

AAAI-195: Learning Modulated Loss for Rotated Object Detection
Wen Qian, Xue Yang, Silong Peng, Junchi Yan, Yue Guo

AAAI-3337: Voxel R-CNN: Towards High Performance Voxel-Based 3D Object Detection
Jiajun Deng, Shaoshuai Shi, Peiwei Li, Wengang Zhou, Yanyong Zhang, Houqiang Li

AAAI-9153: StarNet: Towards Weakly Supervised Few-Shot Object Detection
Leonid Karlinsky, Joseph Shtok, Amit Alfassy, Moshe Lichtenstein, Sivan Harary, Eli Schwartz, Sivan Doveh, Prasanna Sattigeri, Rogerio Feris, Alex Bronstein, Raja Giryes

AAAI-3370: Temporal ROI Align for Video Object Recognition
Tao Gong, Kai Chen, Xinjiang Wang, Qi Chu, Feng Zhu, Dahua Lin, Nenghai Yu, Huamin Feng

AAAI-9807: DropLoss for Long-Tail Instance Segmentation
Ting-I Hsieh, Esther A Robb, Hwann-Tzong Chen, Jia-Bin Huang

BC-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

Cluster: Search and Optimization

BC-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-7765: Generalization in Portfolio-Based Algorithm Selection
Maria-Florina Balcan, Tuomas Sandholm, Ellen Vitercik

AAAI-9429: Weighting-Based Variable Neighborhood Search for Optimal Camera Placement
Zhouxing Su, Qingyun Zhang, Zhipeng Lü, Chumin Li, Weibo Lin, Fuda Ma

AAAI-8546: Submodular Span, with Applications to Conditional Data Summarization
Lilly Kumari, Jeff Bilmes

AAAI-10332: OpEvo: An Evolutionary Method for Tensor Operator Optimization
Xiaotian Gao, Wei Cui, lintao Zhang, Mao Yang

AAAI-4252: Bayes DistNet - A Robust Neural Network for Algorithm Runtime Distribution Predictions

Jake Tuero, Michael Buro

AAAI-2583: Accelerated Combinatorial Search for Outlier Detection with Provable Bound on Sub-Optimality
Guihong Wan, Haim Schweitzer

AAAI-8907: Single Player Monte-Carlo Tree Search Based on the Plackett-Luce Model
Felix Mohr, Viktor Bengs, Eyke Hüllermeier

Cluster: Multiagent Systems

BC-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-5918: Efficient Querying for Cooperative Probabilistic Commitments
Qi Zhang, Edmund Durfee, Satinder Singh

AAAI-6374: Improving Continuous-Time Conflict Based Search
Anton Andreychuk, Konstantin Yakovlev, Eli Boyarski, Roni Stern

AAAI-2412: Value-Decomposition Multi-Agent Actor-Critics
Jianyu Su, Stephen Adams, Peter Beling

AAAI-3056: Expected Value of Communication for Planning in Ad Hoc Teamwork
William Macke, Reuth Mirsky, Peter Stone

AAAI-1869: Learning to Resolve Conflicts for Multi-Agent Path Finding with Conflict-Based Search
Taoan Huang, Sven Koenig, Bistra Dilkina

AAAI-6070: Coordination between Individual Agents in Multi-Agent Reinforcement Learning
Yang Zhang, Qingyu Yang, Dou An, Chengwei Zhang

AAAI-10060: Inference-Based Deterministic Messaging for Multi-Agent Communication
Varun Bhatt, Michael Buro

AAAI-563: Lifelong Multi-Agent Path Finding in Large-Scale Warehouses
Jiaoyang Li, Andrew Tinka, Scott Kiesel, Joseph W Durham, T. K. Satish Kumar, Sven Koenig

Cluster: Social Choice / Voting

BC-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-2160: A Model of Winners Allocation
Yongjie Yang

AAAI-4056: District-Fair Participatory Budgeting
D Ellis Hershkowitz, Anson Kahng, Dominik Peters, Ariel D Procaccia

AAAI-7527: The Smoothed Complexity of Computing Kemeny and Slater Rankings
Lirong Xia, Weiqiang Zheng

AAAI-10165: Necessarily Optimal One-Sided Matchings
Hadi Hosseini, Vijay Menon, Nisarg Shah, Sujoy Sikdar

AAAI-3004: Aggregating Binary Judgments Ranked by Accuracy
Daniel Halpern, Gregory Kehne, Dominik Peters, Ariel D Procaccia, Nisarg Shah, Piotr Skowron

AAAI-9257: Facility's Perspective to Fair Facility Location Problems
Hau Chan, Minming Li, Chenhao Wang, Xiaoying Wu

Cluster: Philosophy and Ethics of AI

BC-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-146: Ethical Dilemmas in Strategic Games
Pavel Naumov, Rui-Jie Yew

AAAI-147: Comprehension and Knowledge
Pavel Naumov, Kevin Ros

AAAI-1624: Robustness of Accuracy Metric and its Inspirations in Learning with Noisy Labels
Pengfei Chen, Junjie Ye, Guangyong Chen, Jingwei Zhao, Pheng-Ann Heng

AAAI-3534: Ethically Compliant Sequential Decision Making

Justin Svegliato, Samer Nashed, Shlomo Zilberstein

AAAI-149: Epistemic Logic of Know-Who
Sophia Epstein, Pavel Naumov

AAAI-10228: Fair Influence Maximization: a Welfare Optimization Approach
Aida Rahmattalabi, Shahin Jabbari, Himabindu Lakkaraju, Phebe Vayanos, Max Izenberg, Ryan Brown, Eric Rice, Milind Tambe

AAAI-8720: Improving Robustness to Model Inversion Attacks via Mutual Information Regularization
Tianhao Wang, Yuheng Zhang, Ruoxi Jia

AAAI-5641: Explaining a Black-Box by Using a Deep Variational information Bottleneck Approach
Seojin Bang, Pengtao Xie, Heewook Lee, Wei Wu, Eric Xing

Cluster: Data Mining & Knowledge Management

BC-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-7052: Relaxed Clustered Hawkes Process for Student Procrastination Modeling in MOOCs
Mengfan Yao, Siqian Zhao, Shaghayegh Sahebi, Reza Feyzi Behnagh

AAAI-4093: Transformer-Style Relational Reasoning with Dynamic Memory Updating for Temporal Network Modeling
Dongkuan Xu, Junjie Liang, Wei Cheng, Hua Wei, Haifeng Chen, Xiang Zhang

AAAI-6224: A Hybrid Probabilistic Approach for Table Understanding
Kexuan Sun, Harsha Rayudu, Jay Pujara

AAAI-5365: Knowledge-Enhanced Top-K Recommendation in Poincaré Ball
Chen Ma, Liheng Ma, Yingxue Zhang, Haolun Wu, Xue Liu, Mark Coates

AAAI-1889: Self-Supervised Hypergraph Convolutional Networks for Session-Based Recommendation
Xin Xia, Hongzhi Yin, Junliang Yu, Qinyong Wang, Lizhen Cui, Xiangliang Zhang

AAAI-6112: Extreme k-Center Clustering
MohammadHossein Bateni, Hossein Esfandiari, Manuela Fischer, Vahab Mirrokni

Cluster: ML: Ethics

BC-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-3670: Improving Fairness and Privacy in Selection Problems
Mohammad Mahdi Khalili, Xueru Zhang, Mahed Abroshan, Somayeh Sojoudi

AAAI-7394: Learning Model-Based Privacy Protection under Budget Constraints
Junyuan Hong, Haotao Wang, Zhangyang Wang, Jiayu Zhou

AAAI-7247: Tempered Sigmoid Activations for Deep Learning with Differential Privacy
Nicolas Papernot, Abhradeep Thakurta, Shuang Song, Steve Chien, Ulfar Erlingsson

AAAI-1503: Differentially Private and Communication Efficient Collaborative Learning
Jiahao Ding, Guannan Liang, Jinbo Bi, Miao Pan

AAAI-5701: Exacerbating Algorithmic Bias through Fairness Attacks
Ninareh Mehrabi, Muhammad Naveed, Fred Morstatter, Aram Galstyan

AAAI-4445: Learning Disentangled Representation for Fair Facial Attribute Classification via Fairness-Aware information Alignment
Sungho Park, Sunhee Hwang, Dohyung Kim, Hyeran Byun

AAAI-1172: Proactive Privacy-Preserving Learning for Retrieval
Peng-Fei Zhang, Zi Huang, Xin-Shun Xu

AAAI-5724: ESCAPED: Efficient Secure and Private Dot Product Framework for Kernel-Based Machine Learning Algorithms with Applications in Healthcare
Ali Burak Ünal, Mete Akgün, Nico Pfeifer

Cluster: Applications

BC-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-7930: Symbolic Music Generation with Transformer-GANs
Aashiq Muhamed, Liang Li, Xingjian Shi, Suri Yaddanapudi, Wayne Chi, Dylan Jackson, Suresh Rahul, Zachary Lipton, Alex J Smola

AAAI-2441: Content Masked Loss: Human-Like Brush Stroke Planning in a Reinforcement Learning Painting Agent
Peter Schaldenbrand, Jean Oh

AAAI-3738: Uncovering Latent Biases in Text: Method and Application to Peer Review
Emaad Manzoor, Nihar Shah

AAAI-3650: Universal Trading for Order Execution with Oracle Policy Distillation
Yuchen Fang, Kan Ren, Weiqing Liu, Dong Zhou, Weinan Zhang, Jiang Bian, Yong Yu, Tie-Yan Liu

AAAI-8540: Classifying Sequences of Extreme Length with Constant Memory Applied to Malware Detection
Edward Raff, William Fleshman, Richard J Zak, Hyrum Anderson, Bobby Filar, Mark McLean

AAAI-9746: TreeCaps: Tree-Based Capsule Networks for Source Code Processing
Nghì Bui, Yijun Yu, Lingxiao Jiang

AAAI-2189: Learning to Cascade: Confidence Calibration for Improving the Accuracy and Computational Cost of Cascade Inference Systems
Shohei Enomoro, Takeharu Eda

AAAI-5518: Deep Conservation: A Latent-Dynamics Model for Exact Satisfaction of Physical Conservation Laws
Kookjin Lee, Kevin Carlberg

Cluster: Game Theory and Economic Paradigms

BC-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-5804: Fair and Efficient Online Allocations with Normalized Valuations
Xizhi Tan, Vasilis Gkatzelis, Alexandros Psomas

AAAI-764: Solution Concepts in Hierarchical Games under Bounded Rationality with Applications to Autonomous Driving
Atrisha Sarkar, Krzysztof Czarnecki

AAAI-5202: Majority Opinion Diffusion in Social Networks: An Adversarial Approach
Ahad N. Zehmakan

AAAI-9893: If You Like Shapley Then You'll Love the Core
Tom Yan, Ariel D Procaccia

AAAI-9221: Faster Game Solving via Predictive Blackwell Approachability: Connecting Regret Matching and Mirror Descent
Gabriele Farina, Christian Kroer, Tuomas Sandholm

AAAI-6122: Fair and Efficient Allocations under Lexicographic Preferences
Hadi Hosseini, Sujoy Sikdar, Rohit Vaish, Lirong Xia

AAAI-10013: Estimating alpha-Rank by Maximizing Information Gain
Tabish Rashid, Cheng Zhang, Kamil Ciosek

AAAI-6087: Classification with Few Tests through Self-Selection
Hanrui Zhang, Yu Cheng, Vincent Conitzer

Cluster: AI for Social Impact

BC-D2-R1: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AISI-8975: Minimizing Energy Use of Mixed-Fleet Public Transit for Fixed-Route Service
Amutheezan Sivagnanam, Afiya Ayman, Michael Wilbur, Philip Pugliese, Abhishek Dubey, Aron Laszka

AISI-6126: Clinical Trial of an AI-Augmented Intervention for HIV Prevention in Youth Experiencing Homelessness
Bryan Wilder, Laura Onasch-Vera, Graham Diguseppi, Robin Petering, Chyna Hill, Amulya Yadav, Eric Rice, Milind Tambe

AISI-3849: Graph Learning for Inverse Landscape Genetics
Prathamesh Dharangutte, Christopher Musco

AISI-3631: Combining Machine Learning & Reasoning for Biodiversity Data Intelligence
Atriya Sen, Beckett Sterner, Nico Franz, Caleb Powel, Nathan Upham

AISI-5504: Detection and Prediction of Nutrient Deficiency Stress Using Longitudinal Aerial Imagery
Saba Dadsetan, Gisele Rose, Naira Hovakimyan, Jennifer Hobbs

AISI-1058: Learning Augmented Methods for Matching: Improving Invasive Species Management and Urban Mobility
Johan Björck, Qinru Shi, Carrie Brown-Lima, Jennifer Dean, Angela Fuller, Carla P Gomes

AISI-5972: HOT-VAE: Learning High-Order Label Correlation for Multi-Label Classification via Attention-Based Variational Autoencoders
Wenting Zhao, Shufeng Kong, Junwen Bai, Daniel Fink, Carla P Gomes

AISI-4906: Dual-Mandate Patrols: Multi-Armed Bandits for Green Security
Lily Xu, Elizabeth Bondi, Fei Fang, Andrew Perrault, Kai Wang, Milind Tambe

AISI-8076: Mitigating Political Bias in Language Models through Reinforced Calibration
RuiBo Liu, Chenyan Jia, Jason W Wei, Guangxuan Xu, Lili Wang, Soroush Vosoughi

AISI-6289: Subverting Privacy-Preserving GANs: Hiding Secrets in Sanitized Images
Kang Liu, Benjamin Tan, Siddharth Garg

AISI-2462: We Don't Speak the Same Language: Interpreting Polarization through Machine Translation
Ashiqur KhudaBukhsh, Rupak Sarkar, Mark Kamlet, Tom Mitchell

AISI-9362: Court Opinion Generation from Case Fact Description with Legal Basis
Quanzhi Li, Qiong Zhang

AISI-6172: Joint Incentive Optimization of Customer and Merchant in Mobile Payment Marketing
Li Yu, Zhengwei Wu, Ziqi Liu, Zhiqiang Zhang, Jinjie Gu, Xiaodong Zeng, Lihong Gu, Tianchi Cai

AISI-3750: Harnessing Social Media to Identify Homeless Youth At-Risk of Substance Use
Zi-Yi Dou, Anamika Barman-Adhikari, Fei Fang, Amulya Yadav

AISI-8682: Predicting Flashover Occurrence Using Surrogate Temperature Data
Eugene Yujun Fu, Wai Cheong Tam, Jun Wang, Richard Peacock, Paul A Reneke, Grace Ngai, Hong Va Leong, Thomas Cleary

AISI-843: Abusive Language Detection in Heterogeneous Contexts: Dataset Collection and the Role of Supervised Attention
Hongyu Gong, Alberto Valido, Katherine M Ingram, Giulia Fanti, Suma Bhat, Dorothy L Espelage

BC-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

Cluster: NLP: Question Answering

BC-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-10252: Benchmarking Knowledge-Enhanced Commonsense Question Answering via Knowledge-to-Text Transformation
Ning Bian, Xianpei Han, Bo Chen, Le Sun

AAAI-1059: Knowledge-Driven Data Construction for Zero-Shot Evaluation in Commonsense Question Answering
Kaixin Ma, Filip Ilievski, Jonathan M Francis, Yonatan Bisk, Eric Nyberg, Alessandro Oltramari

AAAI-5357: Dynamic Graph Representation Learning for Video Dialog via Multi-Modal Shuffled Transformers
Shijie Geng, Peng Gao, Moitryea Chatterjee, Chiori Hori, Jonathan LeRoux, Yongfeng Zhang, Hongsheng Li, Anoop Cherian

AAAI-6350: Unanswerable Question Correction in Question Answering over Personal Knowledge Base
An-Zi Yen, Hen-Hsen Huang, Hsin-Hsi Chen

AAAI-7833: Knowledge-Driven Natural Language Understanding of English Text and its Applications
Kinjal Basu, Sarat Chandra Varanasi, Farhad Shakerin, Joaquín Arias, Gopal Gupta

AAAI-6415: UNICORN on RAINBOW: A Universal Commonsense Reasoning Model on a New Multitask Benchmark
Nicholas Lourie, Ronan Le Bras, Chandra Bhagavatula, Yejin Choi

AAAI-5790: Learning by Fixing: Solving Math Word Problems with Weak Supervision
Yining Hong, Qing Li, Daniel Ciao, Siyuan Huang, Song-Chun Zhu

Cluster: NLP: Generation

BC-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-10321: Generating CCG Categories
Yufang Liu, Tao Ji, Yuanbin Wu, Man Lan

AAAI-907: Probing Product Description Generation via Posterior Distillation
Haolan Zhan, Hainan Zhang, Hongshen Chen, Lei Shen, Zhuoye Ding, Yongjun Bao, Weipeng Yan, Yanyan Lan

AAAI-7740: We Can Explain Your Research in Layman's Terms: Towards Automating Science Journalism at Scale
Rumen R Dangovski, Michelle Shen, Dawson A Byrd, Li Jing, Desislava M Tsvetkova, Preslav Nakov, Marin Soljagic

AAAI-10105: MLE-Guided Parameter Search for Task Loss Minimization in Neural Sequence Modeling
Sean Welleck, Kyunghyun Cho

AAAI-9737: Fact-Enhanced Synthetic News Generation
Kai Shu, Yichuan Li, Kaize Ding, Huan Liu

AAAI-1068: Copy That! Editing Sequences by Copying Spans
Sheena L Panthaplackel, Miltiadis Allamanis, Marc Brockschmidt

AAAI-8469: A Controllable Model of Grounded Response Generation
Zeqiu Wu, Michel Galley, Chris Brockett, Yizhe Zhang, Xiang Gao, Chris Quirk, Rik Koncel-Kedziorski, Jianfeng Gao, Hannaneh Hajishirzi, Mari Ostendorf, Bill Dolan

Cluster: NLP: Semantics

BC-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-3949: Conceptualized and Contextualized Gaussian Embedding
Chen Qian, Fuli Feng, Lijie Wen, Tat-Seng Chua

AAAI-706: Exploring Transfer Learning for End-to-End Spoken Language Understanding
Subendhu Rongali, Beiye Liu, Liwei Cai, Konstantine Arkoudas, Chengwei Su, Wael Hamza

AAAI-7771: Style-Transfer and Paraphrase: Looking for a Sensible Semantic Similarity Metric
Ivan P Yamshchikov, Viacheslav A. Shibaev, Nikolay Khlebnikov, Alexey Tikhonov

AAAI-4461: KEML: A Knowledge-Enriched Meta-Learning Framework for Lexical Relation Classification
Chengyu Wang, Minghui Qiu, Jun Huang, Xiaofeng He

AAAI-1807: Natural Language Inference in Context - Investigating Contextual Reasoning over Long Texts
Hanmeng Liu, Leyang Cui, Jian Liu, Yue Zhang

AAAI-5681: Learning Contextual Representations for Semantic Parsing with Generation-Augmented Pre-Training
Peng Shi, Patrick Ng, Zhiguo Wang, Henghui Zhu, Alexander Hanbo Li, Jun Wang, Cicero Nogueira dos Santos, Bing Xiang

AAAI-10089: Extending Multi-Sense Word Embedding to Phrases and Sentences for Unsupervised Semantic Applications
Haw-shuan Chang, Amol Agrawal, Andrew McCallum

AAAI-911: Evidence Inference Networks for Interpretable Claim Verification
Lianwei Wu, Yuan Rao, Ling Sun, Wangbo He

Cluster: ML: Bayesian Learning

BC-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-855: Diffusion Network Inference from Partial Observations
Ting Gan, Keqi Han, Hao Huang, Shi Ying, Yunjun Gao, Zongpeng Li

AAAI-3279: A Hybrid Stochastic Gradient Hamiltonian Monte Carlo Method
Chao Zhang, Zhijian Li, Zebang Shen, Jiahao Xie, Hui Qian

AAAI-2226: Gaussian Process Priors for View-Aware Inference
Yuxin Hou, Ari Heljakka, Arno Solin

AAAI-5338: Learning Compositional Sparse Gaussian Processes with a Shrinkage Prior
Anh Tong, Toan M Tran, Kim Juhyeong, Hung Bui, Jaesik Choi

AAAI-9822: Infinite Gaussian Mixture Modeling with an Improved Estimation of the Number of Clusters
Avi Matza, Yuval Bistriz

AAAI-10040: Semi-Supervised Learning with Variational Bayesian Inference and Maximum Uncertainty Regularization
Kien Duc Do, Truyen Tran, Svetha Venkatesh

AAAI-8537: Improving Causal Discovery by Optimal Bayesian Network Learning
Ni Lu, Kun Zhang, Changhe Yuan

Cluster: ML: Adversarial Learning, Attacks & Robustness

BC-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-9985: Fast Training of Provably Robust Neural Networks by SingleProp

Akhilan Boopathy, Lily Weng, Sijia Liu, Pin-Yu Chen, Gaoyuan Zhang, Luca Daniel

AAAI-5050: Understanding Catastrophic Overfitting in Single-Step Adversarial Training
Hoki Kim, Woojin Lee, Jaewook Lee

AAAI-447: UAG: Uncertainty-Aware Attention Graph Neural Network for Defending Adversarial Attacks
Boyuan Feng, Yuke Wang, Yufei Ding

AAAI-5772: Are Adversarial Examples Created Equal? A Learnable Weighted Minimax Risk for Robustness under Non-Uniform Attacks
Huimin Zeng, Chen Zhu, Tom Goldstein, Furong Huang

AAAI-3010: Intrinsic Certified Robustness of Bagging against Data Poisoning Attacks
Jinyuan Jia, Xiaoyu Cao, Neil Zhenqiang Gong

AAAI-7722: Adaptive Verifiable Training Using Pairwise Class Similarity
Shiqi Wang, Kevin Eykholt, Taesung Lee, Jiyong Jang, Ian Molloy

Cluster: ML: Neural Generative Models & Autoencoders

BC-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-5797: Accelerating Continuous Normalizing Flow with Trajectory Polynomial Regularization
Han-Hsien Huang, Mi-Yen Yeh

AAAI-9817: Improved Consistency Regularization for GANs
Zhengli Zhao, Sameer Singh, Honglak Lee, Zizhao Zhang, Augustus Odena, Han Zhang

AAAI-2916: OT-Flow: Fast and Accurate Continuous Normalizing Flows via Optimal Transport
Derek Onken, Samy Wu Fung, Xingjian Li, Lars Ruthotto

AAAI-5374: Raven's Progressive Matrices Completion with Latent Gaussian Process Priors
Fan Shi, Bin Li, Xiangyang Xue

AAAI-1376: Dynamically Grown Generative Adversarial Networks
Lanlan Liu, Yuting Zhang, Jia Deng, Stefano Soatto

AAAI-2035: Improving Generative Moment Matching Networks with Distribution Partition
Yong Ren, Yucen Luo, Jun Zhu

AAAI-3802: MolGrow: A Graph Normalizing Flow for Hierarchical Molecular Generation
Maksim Kuznetsov, Daniil Polykovskiy

AAAI-2963: Learned Bi-Resolution Image Coding Using Generalized Octave Convolutions
Mohammad Akbari, Jie Liang, Jingning Han, Chengjie Tu

Cluster: ML: Neural Network Algorithms

BC-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-3214: Deterministic Mini-Batch Sequencing for Training Deep Neural Networks
Subhankar Banerjee, Shayok Chakraborty

AAAI-4849: DPM: A Novel Training Method for Physics-Informed Neural Networks in Extrapolation
Jungeun Kim, Kookjin Lee, Dongeun Lee, Sheo Yon Jin, Noseong Park

AAAI-1063: TabNet: Attentive Interpretable Tabular Learning
Sercan O. Arik, Tomas Pfister

AAAI-1083: Learning with Retrospection
Xiang Deng, Zhongfei Zhang

AAAI-8526: Bayes-TrEx: a Bayesian Sampling Approach to Model Transparency by Example
Serena L Booth, Yilun Zhou, Ankit Shah, Julie A. Shah

AAAI-7807: VSQ: Variational Shadow Quantum Learning for Classification
Guangxi Li, Zhixin Song, Xin Wang

AAAI-2015: Tied Block Convolution: Leaner and Better CNNs with Shared Thinner Filters
Xudong Wang, Stella X Yu

AAAI-7890: Frivolous Units: Wider Networks Are Not Really That Wide

Stephen Casper, Xavier Boix, Vanessa D'Amario, Ling Guo, Martin Schrimpf, Kasper Vincken, Gabriel Kreiman

Cluster: ML: Graph-based Machine Learning

BC-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-5774: Relation-Aware Graph Attention Model with Adaptive Self-Adversarial Training
Xiao Qin, Nasrullah Sheikh, Berthold Reinwald, Lingfei Wu

AAAI-1965: Contrastive and Generative Graph Convolutional Networks for Graph-Based Semi-Supervised Learning
Sheng Wan, Shirui Pan, Jian Yang, Chen Gong

AAAI-10012: Data Augmentation for Graph Neural Networks
Tong Zhao, Yozen Liu, Leonardo Neves, Oliver J Woodford, Meng Jiang, Neil Shah

AAAI-2355: Hierarchical Graph Capsule Network
Jinyu Yang, Peilin Zhao, Yu Rong, Chaochao Yan, Chunyuan Li, Hehuan Ma, Junzhou Huang

AAAI-6237: Deep Wasserstein Graph Discriminant Learning for Graph Classification
Tong Zhang, Yun Wang, Zhen Cui, Chuanwei Zhou, Baoliang Cui, Haikuan Huang, Jian Yang

AAAI-9835: GraphMix: Improved Training of GNNs for Semi-Supervised Learning
Vikas Verma, Meng Qu, Kenji Kawaguchi, Alex M Lamb, Yoshua Bengio, Juho Kannala, Jian Tang

AAAI-9998: Identity-Aware Graph Neural Networks
Jiaxuan You, Jonathan M Gomes-Selman, Rex Ying, Jure Leskovec

Cluster: Language and Vision

BC-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-6079: Towards Robust Visual Information Extraction in Real World: New Dataset and Novel Solution
Jiapeng Wang, Chongyu Liu, Lianwen Jin, Guozhi Tang, Jiaxin Zhang, Shuitao Zhang, Qianying Wang, Yaqiang Wu, Mingxiang Cai

AAAI-9134: Proposal-Free Video Grounding with Contextual Pyramid Network
Kun Li, Dan Guo, Meng Wang

AAAI-3382: Imagine, Reason and Write: Visual Storytelling with Graph Knowledge and Relational Reasoning
Chunpu Xu, Chengming Li, Ying Shen, Xiang Ao, Ruifeng Xu, Min Yang

AAAI-1398: Generalized Zero-Shot Learning via Disentangled Representation
Xiangyu Li, Zhe Xu, Kun Wei, Cheng Deng

AAAI-1559: Similarity Reasoning and Filtration for Image-Text Matching
Haiwen Diao, Ying Zhang, Huchuan Lu, Lin Ma

AAAI-7721: FixMyPose: Pose Correctional Captioning and Retrieval
Hyoungun Kim, Abhaysinh S Zala, Graham H Burri, Mohit Bansal

AAAI-9749: Dialog Policy Learning for Joint Clarification and Active Learning Queries
Aishwarya Padmakumar, Raymond Mooney

AAAI-6208: ERNIE-ViL: Knowledge Enhanced Vision-Language Representations through Scene Graphs
Fei Yu, Jiji Tang, Weichong Yin, Yu Sun, Hao Tian, Hua Wu, Haifeng Wang

Cluster: 3D Computer Vision

BC-D2-R2: February 5, 8:45 AM – 10:30 AM PST and February 5, 4:45 PM – 6:30 PM PST

AAAI-1239: SD-Pose: Semantic Decomposition for Cross-Domain 6D Object Pose Estimation
Zhigang Li, Yinlin Hu, Mathieu Salzmann, Xiangyang Ji

AAAI-9044: Single View Point Cloud Generation via Unified 3D Prototype
Yu Lin, Yigong Wang, Yi-Fan Li, Zhuoyi Wang, Yang Gao, Latifur Khan

AAAI-122: CAKES: Channel-Wise Automatic Kernel Shrinking for Efficient 3D Networks
Qihang Yu, Yingwei Li, Jieru Mei, Yuyin Zhou, Alan Yuille

AAAI-3727: Visual Comfort Aware-Reinforcement Learning for Depth Adjustment of Stereoscopic 3D Images
Hak Gu Kim, Minh Park, Sangmin Lee, Seongyeop Kim, Yong Man Ro

AAAI-938: Invariant Teacher and Equivariant Student for Unsupervised 3D Human Pose Estimation

Chenxin Xu, Siheng Chen, Maosen Li, Ya Zhang

AAAI-870: Boosting Image-Based Mutual Gaze Detection Using Pseudo 3D Gaze
Bardia Doosti, Ching-Hui Chen, Raviteja Vemulapalli, Xuhui Jia, Yukun Zhu, Bradley Green

AC-D2-R1: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

Cluster: Search and Optimization

AC-D2-R1: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-5278: Improving Maximum k-plex Solver via Second-Order Reduction and Graph Color Bounding
Yi Zhou, Shan Hu, Mingyu Xiao, Zhang-Hua Fu

AAAI-7267: Symmetry Breaking for k-Robust Multi-Agent Path Finding
Zhe Chen, Daniel Harabor, Jiaoyang Li, Peter Stuckey

AAAI-1139: A Fast Exact Algorithm for the Resource Constrained Shortest Path Problem
Saman Ahmadi, Guido Tack, Daniel Harabor, Philip Kilby

AAAI-1329: Enhancing Balanced Graph Edge Partition with Effective Local Search
Zhenyu Guo, Mingyu Xiao, Yi Zhou, Dongxiang Zhang, Kian-Lee Tan

AAAI-6966: Pareto Optimization for Subset Selection with Dynamic Partition Matroid Constraints
Anh V Do, Frank Neumann

AAAI-7109: Multi-Objective Submodular Maximization by Regret Ratio Minimization with Theoretical Guarantee
Chao Feng, Chao Qian

AAAI-7040: Theoretical Analyses of Multi-Objective Evolutionary Algorithms on Multi-Modal Objectives
Benjamin Doerr, Weijie Zheng

AAAI-8413: Finding Diverse Trees, Paths, and More
Tesshu Hanaka, Yasuaki Kobayashi, Kazuhiro Kurita, Yota Otachi

Cluster: Multiagent Systems

AC-D2-R1: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-3952: Scalable and Safe Multi-Agent Motion Planning with Nonlinear Dynamics and Bounded Disturbances
Jingkai Chen, Jiaoyang Li, Chuchu Fan, Brian C Williams

AAAI-813: Time-Independent Planning for Multiple Moving Agents
Keisuke Okumura, Yasumasa Tamura, Xavier Defago

AAAI-1353: Dec-SGTS: Decentralized Sub-Goal Tree Search for Multi-Agent Coordination
Minglong Li, Zhongxuan Cai, Wenjing Yang, Lixia Wu, Yinghui Xu, Ji Wang

AAAI-10167: Evolutionary Game Theory Squared: Evolving Agents in Endogenously Evolving Zero-Sum Games
Stratis Skoulakis, Tanner Fiez, Ryann Sim, Georgios Piliouras, Lillian Ratliff

AAAI-8524: Contract-Based Inter-User Usage Coordination in Free-Floating Car Sharing
Kentaro Takahira, Shigeo Matsubara

AAAI-2294: Exploration-Exploitation in Multi-Agent Learning: Catastrophe Theory Meets Game Theory
Stefanos Leonardos, Georgios Piliouras

AAAI-7985: Goal Blending for Responsive Shared Autonomy in a Navigating Vehicle
Yu-Sian Jiang, Garrett Warnell, Peter Stone

AAAI-7673: NeuralAC: Learning Cooperation and Competition Effects for Match Outcome Prediction
Yin Gu, Qi Liu, Kai Zhang, Zhenya Huang, Runze Wu, Jianrong Tao

Cluster: Game Theory and Economic Paradigms

AC-D2-R1: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-765: Evolution Strategies for Approximate Solution of Bayesian Games
Zun Li, Michael Wellman

AAAI-498: On the Approximation of Nash Equilibria in Sparse Win-Lose Multi-Player Games

Zhengyang Liu, Jiawei Li, Xiaotie Deng

AAAI-7677: On the PTAS for Maximin Shares in an Indivisible Mixed Manna
Rucha Kulkarni, Ruta Mehta, Setareh Taki

AAAI-2210: Proportionally Representative Participatory Budgeting with Ordinal Preferences
Haris Aziz, Barton Lee

AAAI-354: Achieving Envy-Freeness and Equitability with Monetary Transfers
Haris Aziz

AAAI-3527: Budget Feasible Mechanisms over Graphs
Xiang Liu, Weiwei Wu, Minming Li, Wanyuan Wang

AAAI-2277: Maximin Fairness with Mixed Divisible and Indivisible Goods
Xiaohui Bei, Shengxin Liu, Xinhang Lu, Hongao Wang

AAAI-4463: Simultaneous 2nd Price Item Auctions with No-Underbidding
Michal Feldman, Galia Shabtai

Cluster: Data Mining & Knowledge Management

AC-D2-R1: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-7257: Cross-Oilfield Reservoir Classification via Multi-Scale Sensor Knowledge Transfer
Zhi Li, Zhefeng Wang, Zhicheng Wei, Xiangguang Zhou, Yijun Wang, Baoxing Huai, Qi Liu, Nicholas Jing Yuan, Renbin Gong, Enhong Chen

AAAI-5009: How Do We Move: Modeling Human Movement with System Dynamics
Hua Wei, Dongkuan Xu, Junjie Liang, Zhenhui (Jessie) Li

AAAI-8617: Inductive Graph Neural Networks for Spatiotemporal Kriging
Yuankai Wu, Dingyi Zhuang, Aurelie Labbe, Lijun Sun

AAAI-7491: Modeling Heterogeneous Relations across Multiple Modes for Potential Crowd Flow Prediction
Qiang Zhou, Jingjing Gu, Xinjiang Lu, Fuzhen Zhuang, Yanchao Zhao, Qihong Wang, Xiao Zhang

AAAI-3640: GSNet: Learning Spatial-Temporal Correlations from Geographical and Semantic Aspects for Traffic Accident Risk Forecasting
Beibei Wang, Youfang Lin, Shengnan Guo, Huaiyu Wan

AAAI-5076: Graph Neural Network-Based Anomaly Detection in Multivariate Time Series
Ailin Deng, Bryan Hooi

AAAI-1611: Pre-Training Context and Time Aware Location Embeddings from Spatial-Temporal Trajectories for User Next Location Prediction
Yan Lin, Huaiyu Wan, Shengnan Guo, Youfang Lin

AAAI-9069: Knowledge-Aware Coupled Graph Neural Network for Social Recommendation
Chao Huang, Huance Xu, Yong Xu, Peng Dai, Lianghao Xia, Mengyin Lu, Liefeng Bo, Hao Xing, Xiaoping Lai, Yanfang Ye

Cluster: Recommender Systems & Collaborative Filtering

AC-D2-R1: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-1169: Hierarchical Reinforcement Learning for Integrated Recommendation
Ruobing Xie, Shaoliang Zhang, Rui Wang, Feng Xia, Leyu Lin

AAAI-3639: PREMERE: Meta-Reweighting via Self-Ensembling for Point-of-Interest Recommendation
Minseok Kim, Hwanjun Song, Doyoung Kim, Kijung Shin, Jae-Gil Lee

AAAI-2116: U-BERT: Pre-Training User Representations for Improved Recommendation
Zhaopeng Qiu, Xian Wu, Jingyue Gao, Wei Fan

AAAI-1975: Dual Sparse Attention Network for Session-Based Recommendation
Jiahao Yuan, Mingyou Sun, Zihan Song, Xiaoling Wang, Wayne Xin Zhao

AAAI-9265: Deep Transfer Tensor Decomposition with Orthogonal Constraint for Recommender Systems
Zhengyu Chen, Ziqing Xu, Donglin Wang

AAAI-2711: Towards Faster Deep Collaborative Filtering via Hierarchical Decision Networks
Yu Chen, Sinno Pan

AAAI-444: FedRec++: Lossless Federated Recommendation with Explicit Feedback

Feng Liang, Weike Pan, Zhong Ming

AAAI-8970: On Estimating Recommendation Evaluation Metrics under Sampling
Ruoming Jin, Dong Li, Benjamin Mudrak, Jing Gao, Zhi Liu

Cluster: Vision: Applications

AC-D2-R1: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-9767: Exploiting Audio-Visual Consistency with Partial Supervision for Spatial Audio Generation
Yan-Bo Lin, Yu-Chiang Frank Wang

AAAI-1759: What to Select: Pursuing Consistent Motion Segmentation from Multiple Geometric Models
Yangbangan Jiang, Qianqian Xu, Ke Ma, Zhiyong Yang, Xiaochun Cao, Qingming Huang

AAAI-4221: Learning Semantic Context from Normal Samples for Unsupervised Anomaly Detection
Xudong Yan, Huaidong Zhang, Xuemiao Xu, Xiaowei Hu, Pheng-Ann Heng

AAAI-4333: Aggregated Multi-GANs for Controlled 3D Human Motion Prediction
Zhenguang Liu, Kedi Lyu, Shuang Wu, Haipeng Chen, Yanbin Hao, Shouling Ji

AAAI-3339: Optical Flow Estimation from a Single Motion-Blurred Image
Dawit Mureja Argaw, Junsik Kim, Francois Rameau, Jae Won Cho, In So Kweon

AAAI-1706: Towards Domain Invariant Single Image Dehazing
PranJay Shyam, Kuk-Jin Yoon, Kyung-Soo Kim

Cluster: Applications

AC-D2-R1: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-572: PSSM-Distil: Protein Secondary Structure Prediction (PSSP) on Low-Quality PSSM by Knowledge Distillation with Contrastive Learning
Qin Wang, Boyuan Wang, Zhenlei Xu, Jiaxiang Wu, Peilin Zhao, Zhen Li, Sheng Wang, Junzhou Huang, Shuguang Cui

AAAI-5501: Relational Classification of Biological Cells in Microscopy Images
Ping Liu, Mustafa Bilgic

AAAI-4313: Gene Regulatory Network Inference Using 3D Convolutional Neural Network
Yue Fan, Xiuli Ma

AAAI-315: Traffic Flow Prediction with Vehicle Trajectories
Mingqian Li, Panrong Tong, Mo Li, Zhongming Jin, Jianqiang Huang, Xian-Sheng Hua

AAAI-3617: Physics-Informed Deep Learning for Traffic State Estimation: A Hybrid Paradigm Informed by Second-Order Traffic Models
Rongye Shi, Zhaobin Mo, Xuan Di

AAAI-7399: Towards Efficient Selection of Activity Trajectories Based on Diversity and Coverage
Chengcheng Yang, Lisi Chen, Hao Wang, Shuo Shang

AAAI-8716: Embracing Domain Differences in Fake News: Cross-Domain Fake News Detection Using Multi-Modal Data
Amila Ruwansiri Silva, Ling Luo, Shanika Karunasekera, Christopher Leckie

Cluster: AI for Social Impact

AC-D2-R1: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AI-SI-6513: Evidence Aware Neural Pornographic Text Identification for Child Protection
Kaisong Song, Yangyang Kang, Wei Gao, Zhe Gao, Changlong Sun, Xiaozhong Liu

AI-SI-8731: Degree Planning with PLAN-BERT: Multi-Semester Recommendation Using Future Courses of Interest
Erzhuo Shao, Shiyuan Guo, Zachary A Pardos

AI-SI-2820: Early Safety Warnings for Long-Distance Pipelines: A Distributed Optical Fiber Sensor Machine Learning Approach
Yiyuan Yang, Yi Li, Taojia Zhang, Yan Zhou, Haifeng Zhang

AI-SI-8774: Modeling the Field Value Variations and Field Interactions Simultaneously for Fraud Detection
Dongbo Xi, Bowen Song, Fuzhen Zhuang, Yongchun Zhu, Shuai Chen, Tianyi Zhang, Yuan Qi, Qing He

AI-SI-9345: Real-Time Tropical Cyclone Intensity Estimation by Handling Temporally Heterogeneous Satellite Data
Boyo Chen, Buo-Fu Chen, Yun-Nung Chen

AISI-3105: Retrieve and Revise: Improving Peptide Identification with Similar Mass Spectra
Zhengcong Fei

AISI-3133: Land Deformation Prediction via Slope-Aware Graph Neural Networks
Fan Zhou, Rongfan Li, Goce Trajcevski, Kunpeng Zhang

AISI-8961: Multi-Layer Networks for Ensemble Precipitation Forecasts Postprocessing
Fengyang Xu, Guanbin Li, Yunfei Du, Zhiguang Chen, Yutong Lu

AISI-3032: Forecasting Reservoir Inflow via Recurrent Neural ODEs
Fan Zhou, Liang Li

AISI-7256: K-N-MOMDPs: Towards Interpretable Solutions for Adaptive Management
Jonathan Ferrer Mestres, Thomas Dietterich, Olivier Buffet, Iadine Chades

AISI-1081: Project RISE: Recognizing Industrial Smoke Emissions
Yen-Chia Hsu, Ting-Hao K Huang, Ting-Yao Hu, Paul Dille, Sean Prendi, Ryan Hoffman, Anastasia Tsuhlares, Jessica Pachuta, Randy Sargent, Illah Nourbakhsh

Cluster: Speech & Signal Processing

AC-D2-R1: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-6011: Interactive Speech and Noise Modeling for Speech Enhancement
Chengyu Zheng, Xiulian Peng, Yuan Zhang, Sriram Srinivasan, Yan Lu

AAAI-10331: Tune-In: Training under Negative Environments with Interference for Attention Networks Simulating Cocktail Party Effect
Jun Wang, Max W. Y. Lam, Dan Su, Dong Yu

AAAI-4295: Multi-SpectroGAN: High-Diversity and High-Fidelity Spectrogram Generation with Adversarial Style Combination for Speech Synthesis
Sang-Hoon Lee, Hyun-Wook Yoon, Hyeong-Rae Noh, Ji-Hoon Kim, Seong-Whan Lee

AAAI-1536: TaLNet: Voice Reconstruction from Tongue and Lip Articulation with Transfer Learning from Text-to-Speech Synthesis
Jing-Xuan Zhang, Korin Richmond, Zhen-Hua Ling, Lirong Dai

AAAI-10343: "Listen, Understand and Translate": Triple Supervision Decouples End-to-End Speech-to-Text Translation
Qianqian Q Dong, Rong Ye, Mingxuan Wang, Hao Zhou, Shuang Xu, Bo Xu, Lei Li

AAAI-8942: Adversarial Meta Sampling for Multilingual Low-Resource Speech Recognition
Yubei Xiao, Ke Gong, Pan Zhou, Guolin Zheng, Xiaodan Liang, Liang Lin

AAAI-9512: UWSpeech: Speech to Speech Translation for Unwritten Languages
Chen Zhang, Xu Tan, Yi Ren, Tao Qin, Kejun Zhang, Tieyan Liu

AC-D2-R2: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

Cluster: NLP: Conversational AI/Dialog Systems

AC-D2-R2: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-6278: Discovering New Intents with Deep Aligned Clustering
Hanlei Zhang, Hua Xu, Ting-En Lin, Lv Rui

AAAI-7065: Filling the Gap of Utterance-Aware and Speaker-Aware Representation for Multi-Turn Dialogue
Longxiang Liu, Zhuosheng Zhang, Hai Zhao, Xi Zhou, Xiang Zhou

AAAI-5417: Learning an Effective Context-Response Matching Model with Self-Supervised Tasks for Retrieval-Based Dialogues
Ruijian Xu, Chongyang Tao, Daxin Jiang, Xueliang Zhao, Dongyan Zhao, Rui Yan

AAAI-8769: CARE: Commonsense-Aware Emotional Response Generation with Latent Concepts
Peixiang Zhong, Di Wang, Pengfei Li, Chen Zhang, Hao Wang, Chunyan Miao

AAAI-10083: DialogBERT: Discourse-Aware Response Generation via Learning to Recover and Rank Utterances
Xiaodong Gu, Kang Min Yoo, Jung-Woo Ha

AAAI-8834: DDRel: A New Dataset for Interpersonal Relation Classification in Dyadic Dialogues
Qi Jia, Hongru Huang, Kenny Zhu

AAAI-2247: Reasoning in Dialog: Improving Response Generation by Context Reading Comprehension
Xiuying Chen, Zhi Cui, Jiayi Zhang, Chen Wei, Jianwei Cui, Bin Wang, Dongyan Zhao, Rui Yan

AAAI-6746: Do Response Selection Models Really Know What's Next? Utterance Manipulation Strategies for Multi-Turn Response Selection
Taesun Whang, Dongyub Lee, Dongsuk Oh, Chanhee Lee, Kijong Han, Dong-hun Lee, Saebyeok Lee

Cluster: NLP: Text Classification & Sentiment Analysis

AC-D2-R2: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-2184: An Adaptive Hybrid Framework for Cross-Domain Aspect-Based Sentiment Analysis
Yan Zhou, Fuqing Zhu, pu song, Jizhong Han, Tao Guo, Songlin Hu

AAAI-2371: Multi-Document Transformer for Personality Detection
Feifan Yang, Xiaojun Quan, Yunyi Yang, Jianxing Yu

AAAI-7955: Context-Guided BERT for Targeted Aspect-Based Sentiment Analysis
Zhengxuan Wu, Desmond Ong

AAAI-4726: MASKER: Masked Keyword Regularization for Reliable Text Classification
Seung Jun Moon, Sangwoo Mo, Kimin Lee, Jaeho Lee, Jinwoo Shin

AAAI-3064: Bridging Towers of Multi-Task Learning with a Gating Mechanism for Aspect-Based Sentiment Analysis and Sequential Metaphor Identification
Rui Mao, Xiao Li

AAAI-2224: Merging Statistical Feature via Adaptive Gate for Improved Text Classification
Xianming Li, Zongxi Li, Haoran Xie, Qing Li

AAAI-9150: Segmentation of Tweets with URLs and its Applications to Sentiment Analysis
Abdullah Aljebreen, Weiyi Meng, Eduard Dragut

AAAI-10340: Bidirectional Machine Reading Comprehension for Aspect Sentiment Triplet Extraction
Shaowei Chen, Yu Wang, Jie Liu, Yuelin Wang

Cluster: NLP: Information Extraction

AC-D2-R2: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-5035: Document-Level Relation Extraction with Reconstruction
Wang Xu, Kehai Chen, Tiejun Zhao

AAAI-8795: Entity Structure Within and Throughout: Modeling Mention Dependencies for Document-Level Relation Extraction
Benfeng Xu, Quan Wang, Yajuan Lyu, Yong Zhu, Zhendong Mao

AAAI-9155: Knowledge-Aware Named Entity Recognition with Alleviating Heterogeneity
Binling Nie, Ruixue Ding, Pengjun Xie, Fei Huang, Chen Qian, Luo Si

AAAI-6288: A Supervised Multi-Head Self-Attention Network for Nested Named Entity Recognition
Yongxiu Xu, Heyan Huang, Chong Feng, Yue Hu

AAAI-4394: Read, Retrospect, Select: An MRC Framework to Short Text Entity Linking
Yingjie Gu, Xiaoye Qu, Zhefeng Wang, Baoxing Huai, Nicholas Jing Yuan, Xiaolin Gui

AAAI-2753: Multi-Modal Graph Fusion for Named Entity Recognition with Targeted Visual Guidance
Dong Zhang, Suzhong Wei, Shoushan Li, Hanqian Wu, Zhu Qiaoming, Zhou Guodong

AAAI-3290: GDPNet: Refining Latent Multi-View Graph for Relation Extraction
Fuzhao Xue, Aixin Sun, Hao Zhang, Eng Siong Chng

AAAI-2758: Extracting Zero-Shot Structured Information from Form-like Documents: Pretraining with Keys and Triggers
Rongyu Cao, Ping Luo

Cluster: ML: Transfer/Adaptation/Multi-task/Meta/Automated Learning

AC-D2-R2: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-257: Task Aligned Generative Meta-Learning for Zero-Shot Learning
Zhe Liu, Yun Li, Lina Yao, Xianzhi Wang, Guodong Long

AAAI-4767: Evolutionary Approach for Autoaugment Using the Thermodynamical Genetic Algorithm

Akira Terauchi, Naoki Mori

AAAI-540: Learning Intact Features by Erasing-Inpainting for Few-Shot Classification
Junjie Li, Zilei Wang, Xiaoming Hu

AAAI-639: PTN: A Poisson Transfer Network for Semi-Supervised Few-Shot Learning
Huaxi Huang, Junjie Zhang, Jian Zhang, Qiang Wu, Chang Xu

AAAI-6327: Unsupervised Domain Adaptation for Semantic Segmentation by Content Transfer
Suhyeon Lee, Junhyuk Hyun, Hongje Seong, Euntai Kim

AAAI-4541: Learning to Augment for Data-Scarce Domain BERT Knowledge Distillation
Lingyun Feng, Minghui Qiu, Yaliang Li, Ying Shen, Hai-Tao Zheng

AAAI-3648: Exploiting Diverse Characteristics and Adversarial Ambivalence for Domain Adaptive Segmentation
Bowen Cai, Huan Fu, Rongfei Jia, Binqiang Zhao, Hua Li, Yinghui Xu

AAAI-4761: A Free Lunch for Unsupervised Domain Adaptive Object Detection without Source Data
Xianfeng Li, Weijie Chen, Di Xie, Shicai Yang, Peng Yuan, Shiliang Pu, Yueting Zhuang

Cluster: ML: Unsupervised & Self-Supervised Learning

AC-D2-R2: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-9625: Towards Generalized Implementation of Wasserstein Distance in GANs
Minkai Xu

AAAI-4067: Train a One-Million-Way Instance Classifier for Unsupervised Visual Representation Learning
Yu Liu, Lianghua Huang, Pan Pan, Bin Wang, Yinghui Xu, Rong Jin

AAAI-780: Contrastive Transformation for Self-Supervised Correspondence Learning
Ning Wang, Wengang Zhou, Houqiang Li

AAAI-7017: Contrastive Self-Supervised Learning for Graph Classification
Jiaqi Zeng, Pengtao Xie

AAAI-4809: High Fidelity GAN Inversion via Prior Multi-Subspace Feature Composition
Guanyue Li, Qianfen Jiao, Sheng Qian, Si Wu, Hau San Wong

AAAI-4167: Distilling Localization for Self-Supervised Representation Learning
Nanxuan Zhao, Zhirong Wu, Rynson W.H. Lau, Stephen Lin

AAAI-9295: Noise Estimation Using Density Estimation for Self-Supervised Multimodal Learning
Elad Amrani, Rami Ben-Ari, Daniel Rotman, Alex Bronstein

AAAI-477: Deep Metric Learning with Self-Supervised Ranking
Zheren Fu, Yan Li, Zhendong Mao, Quan Wang, Yongdong Zhang

Cluster: ML: Neural Network Algorithms / Ensemble Methods

AC-D2-R2: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-3667: DecAug: Out-of-Distribution Generalization via Decomposed Feature Representation and Semantic Augmentation
Haoyue Bai, Rui Sun, Lanqing Hong, Fengwei Zhou, Nanyang Ye, Han-Jia Ye, Gary Chan, Zhenguo Li

AAAI-2475: Implicit Kernel Attention
Kyungwoo Song, Yohan Jung, Dongjun Kim, Il-Chul Moon

AAAI-5937: Multidimensional Uncertainty-Aware Evidential Neural Networks
Yibo Hu, Yuzhe Ou, Xujiang Zhao, Jin-Hee Cho, Feng Chen

AAAI-2460: Meta Learning for Causal Direction
Jean-Francois Ton, Dino Sejdinovic, Kenji Fukumizu

AAAI-9994: Precision-Based Boosting
Mohammad Hossein Nikravan, Marjan Movahedan, Sandra Zilles

AAAI-3050: Tri-Level Robust Clustering Ensemble with Multiple Graph Learning
Peng Zhou, Liang Du, Yi-Dong Shen, Xuejun Li

Cluster: ML: Bandits / RL / Imitation Learning

AC-D2-R2: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-7413: Split-and-Bridge: Adaptable Class Incremental Learning within a Single Neural Network
Jong-Yeong Kim, Dong-Wan Choi

AAAI-8398: Inverse Reinforcement Learning with Explicit Policy Estimates
Navyata Sanghvi, Shinnosuke Usami, Mohit Sharma, Joachim Groeger, Kris Kitani

AAAI-896: Augmenting Policy Learning with Routines Discovered from a Single Demonstration
Zelin Zhao, Chuang Gan, Jiajun Wu, Xiaoxiao Guo, Joshua Tenenbaum

AAAI-5200: Projection-Free Online Learning in Dynamic Environments
Yuanyu Wan, Bo Xue, Lijun Zhang

AAAI-1291: A Primal-Dual Online Algorithm for Online Matching Problem in Dynamic Environments
Yu-Hang Zhou, Peng Hu, Chen Liang, Huan Xu, Guangda Huzhang, Yinfu Feng, Qing Da, Xinshang Wang, An-Xiang Zeng

AAAI-5994: Strategy and Benchmark for Converting Deep Q-Networks to Event-Driven Spiking Neural Networks
Weihao Tan, Devdhar Patel, Robert Kozma

AAAI-863: High-Dimensional Bayesian Optimization via Tree-Structured Additive Models
Eric LW Han, Ishank Arora, Jonathan Scarlett

AAAI-9913: Combinatorial Pure Exploration with Full-Bandit or Partial Linear Feedback
Yihan Du, Yuko Kuroki, Wei Chen

Cluster: 3D Computer Vision

AC-D2-R2: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-2105: FCFR-Net: Feature Fusion Based Coarse-to-Fine Residual Learning for Depth Completion
Lina Liu, Xibin Song, Xiaoyang Lyu, Junwei Diao, Mengmeng Wang, Yong Liu, Liangjun Zhang

AAAI-4433: Text-Guided Graph Neural Networks for Referring 3D Instance Segmentation
Pin-Hao Huang, Han-Hung Lee, Hwann-Tzong Chen, Tyng-Luh Liu

AAAI-3197: Learning Local Neighboring Structure for Robust 3D Shape Representation
Zhongpai Gao, Junchi Yan, Guangtao Zhai, Juyong Zhang, Yiyang Yang, Xiaokang Yang

AAAI-5966: Learning Flexibly Distributional Representation for Low-Quality 3D Face Recognition
Zihui Zhang, Cuican Yu, Shuang Xu, HUIBIN LI

AAAI-1315: HR-Depth : High Resolution Self-Supervised Monocular Depth Estimation
Xiaoyang Lyu, Liang Liu, Mengmeng Wang, Xin Kong, Lina Liu, Yong Liu, Xinxin Chen, Yi Yuan

AAAI-4214: Unsupervised 3D Learning for Shape Analysis via Multiresolution Instance Discrimination
Peng-Shuai Wang, Yuqi Yang, Qianfang Zou, Zhirong Wu, Yang Liu, Xin Tong

AAAI-241: Boundary-Aware Geometric Encoding for Semantic Segmentation of Point Clouds
Jingyu Gong, Jiachen Xu, Xin Tan, Jie Zhou, Yanyun Qu, Yuan Xie, Lizhuang Ma

AAAI-2650: Learning Geometry-Disentangled Representation for Complementary Understanding of 3D Object Point Cloud
Mutian Xu, Junhao Zhang, Zhipeng Zhou, Mingye Xu, Xiaojuan Qi, Yu Qiao

Cluster: Vision: Object Detection & Categorization

AC-D2-R2: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-3516: Few-Shot Class-Incremental Learning via Relation Knowledge Distillation
Songlin Dong, Xiaopeng Hong, Xiaoyu Tao, Xinyuan Chang, Xing Wei, Yihong Gong

AAAI-898: RGB-D Salient Object Detection via 3D Convolutional Neural Networks
Qian Chen, Ze Liu, Yi Zhang, Keren Fu, Qijun Zhao, Hongwei Du

AAAI-1620: Structure-Consistent Weakly Supervised Salient Object Detection with Local Saliency Coherence
Siyue Yu, Bingfeng Zhang, Jimin Xiao, Eng Gee Lim

AAAI-7292: A Systematic Evaluation of Object Detection Networks for Scientific Plots
Pritha Ganguly, Nitesh S Methani, Mitesh M. Khapra, Pratyush Kumar

AAAI-1095: SnapMix: Semantically Proportional Mixing for Augmenting Fine-Grained Data
Shaoli Huang, Xinchao Wang, Dacheng Tao

AAAI-2665: Gradient Regularized Contrastive Learning for Continual Domain Adaptation
Shixiang Tang, Peng Su, Dapeng Chen, Wanli Ouyang

AAAI-3018: Depth Privileged Object Detection in Indoor Scenes via Deformation Hallucination
Zhijie Zhang, Yan Liu, Junjie Chen, Li Niu, Liqing Zhang

AAAI-3345: Co-Mining: Self-Supervised Learning for Sparsely Annotated Object Detection
Tiancai Wang, Tong Yang, Jiale Cao, Xiangyu Zhang

Cluster: Vision: Low Level & Physics-based Vision

AC-D2-R2: February 5, 4:45 PM – 6:30 PM PST and February 6, 12:45 AM – 2:30 AM PST

AAAI-36: Understanding Deformable Alignment in Video Super-Resolution
Kelvin C.K. Chan, Xintao Wang, Ke Yu, Chao Dong, Chen Change Loy

AAAI-3085: Learning Omni-Frequency Region-Adaptive Representations for Real Image Super-Resolution
Xin Li, Xin Jin, Tao Yu, Simeng Sun, Yingxue Pang, Zhizheng Zhang, Zhibo Chen

AAAI-631: Inferring Camouflage Objects by Texture-Aware Interactive Guidance Network
Jinchao Zhu, Xiaoyu Zhang, Shuo Zhang, Junnan Liu

AAAI-7270: Frequency Consistent Adaptation for Real World Super Resolution
Xiaozhong Ji, Guangpin Tao, Yun Cao, Ying Tai, Tong Lu, Chengjie Wang, Jilin Li, Feiyue Huang

AAAI-228: Rain Streak Removal via Dual Graph Convolutional Network
Xueyang Fu, Qi Qi, Yurui Zhu, Xinghao Ding, Zheng-Jun Zha

AAAI-2034: Sparsity Aware Normalization for GANs
Idan Kligvasser, Tomer Michaeli

AAAI-5007: Deep Low-Contrast Image Enhancement Using Structure Tensor Representation
Hyunjoo Jung, Hyunsung Jang, Namkoo Ha, Kwanghoon Sohn

AAAI-5340: Deep Event Stereo Leveraged by Event-to-Image Translation
Soikat Hasan Ahmed, Hae Woong Jang, S M Nadim Uddin, Yong Ju Jung

AB-D3-R1: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

Cluster: KR&R: Argumentation and Non-monotonic Reasoning

AB-D3-R1: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-1657: Ranking Sets of Defeasible Elements in Preferential Approaches to Structured Argumentation: Postulates, Relations, and Characterizations
Jan Maly, Johannes Peter Wallner

AAAI-2881: The Complexity Landscape of Claim-Augmented Argumentation Frameworks
Wolfgang Dvorak, Alexander Greßler, Anna Rapberger, Stefan Woltran

AAAI-6871: Parameterized Complexity of Logic-Based Argumentation in Schaefer's Framework
Yasir Mahmood, Arne Meier, Johannes Schmidt

AAAI-623: Interpreting Neural Networks as Quantitative Argumentation Frameworks
Nico Potyka

AAAI-8192: Contextual Conditional Reasoning
Tommie Meyer, Giovanni Casini, Ivan J Varzinczak, Giovanni Casini

AAAI-994: Conditional Inference under Disjunctive Rationality
Richard Booth, Ivan J Varzinczak

AAAI-7798: Focused Inference and System P
Marco Wilhelm, Gabriele Kern-Isberner

Cluster: KR&R: Description Logics

AB-D3-R1: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-2642: Mining EL Bases with Adaptable Role Depth
Ricardo Guimarães, Ana Ozaki, Cosimo Persia, Baris Sertkaya

AAAI-1314: Living without Beth and Craig: Definitions and Interpolants in Description Logics with Nominals and Role Inclusions
Alessandro Artale, Jean Jung, Andrea Mazzullo, Ana Ozaki, Frank Wolter

AAAI-8111: Answering Regular Path Queries under Approximate Semantics in Lightweight Description Logics
Oliver Fernandez Gil, Anni-Yasmin Turhan

AAAI-5620: Knowledge-Base Degrees of Inconsistency: Complexity and Counting
Johannes K Fichte, Markus Hecher, Arne Meier

AAAI-5678: Preferred Explanations for Ontology-Mediated Queries under Existential Rules
Ismail Ilkan Ceylan, Thomas Lukasiewicz, Enrico Malizia, Cristian Molinaro, Andrius Vaicenavicius

Cluster: Satisfiability

AB-D3-R1: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-4681: Backdoor Decomposable Monotone Circuits and Propagation Complete Encodings
Petr Kučera, Petr Savický

AAAI-1066: New Length Dependent Algorithm for Maximum Satisfiability Problem
Vasily Alferov, Ivan Bliznets

AAAI-7481: Symmetric Component Caching for Model Counting on Combinatorial Instances
Timothy van Bremen, Vincent Derkinderen, Shubham Sharma, Subhajit Roy, Kuldeep S Meel

AAAI-7201: SAT-Based Decision Tree Learning for Large Data Sets
Andre Schidler, Stefan Szeider

AAAI-7956: Counting Maximal Satisfiable Subsets
Jaroslav Bendík, Kuldeep S Meel

AAAI-7025: Certifying Parity Reasoning Efficiently Using Pseudo-Boolean Proofs
Stephan Gocht, Jakob Nordström

AAAI-9326: Turbocharging Treewidth-Bounded Bayesian Network Structure Learning
P. R. Vaidyanathan, Stefan Szeider

AAAI-9332: A Sharp Leap from Quantified Boolean Formula to Stochastic Boolean Satisfiability Solving
Pei-Wei Chen, Yu-Ching Huang, Jie-Hong R Jiang

Cluster: Social Choice / Voting / Fair Division

AB-D3-R1: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-2414: Multi-Party Campaigning
Martin Koutecky, Nimrod Talmon

AAAI-2327: Computing the Proportional Veto Core
Egor Ivanovski, Aleksei Y Kondratev

AAAI-2303: On the Complexity of Finding Justifications for Collective Decisions
Arthur Boixel, Ronald de Haan

AAAI-7731: Proportional Representation under Single-Crossing Preferences Revisited
Andrei Costin Constantinescu, Edith Elkind

AAAI-412: Representative Proxy Voting
Elliot Anshelevich, Zack Fitzsimmons, Rohit Vaish, Lirong Xia

AAAI-1625: Mind the Gap: Cake Cutting with Separation
Edith Elkind, Erel Segal-Halevi, Warut Suksompong

AAAI-5368: On Fair Division under Heterogeneous Matroid Constraints
Amitay Dror, Michal Feldman, Erel Segal-Halevi

Cluster: Humans and AI

AB-D3-R1: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-1408: Narrative Plan Generation with Self-Supervised Learning
Mihai Polceanu, Julie Porteous, Alan Lindsay, Marc Cavazza

AAAI-7173: User Driven Model Adjustment via Boolean Rule Explanations
Elizabeth Daly, Massimiliano Mattetti, Ozgur Alkan, Rahul Nair

AAAI-5210: MARTA: Leveraging Human Rationales for Explainable Text Classification
Ines Arous, Ljiljana Dolamic, Akansha Bhardwaj, Jie Yang, Giuseppe Cuccu, Philippe Cudre-Mauroux

AAAI-2989: A Continual Learning Framework for Uncertainty-Aware Interactive Image Segmentation
Ervin Zheng, Qi Yu, Rui Li, Pengcheng Shi, Anne Haake

AAAI-9192: Classification under Human Assistance
Abir De, Nastaran Okati, Ali Zarezade, Manuel Gomez Rodriguez

AAAI-10130: Content Learning with Structure-Aware Writing: A Graph-Infused Dual Conditional Variational Autoencoder for Automatic Storytelling
Meng Hsuan Yu, Juntao Li, Zhangming Chan, Dongyan Zhao, Rui Yan

Cluster: Reasoning under Uncertainty

AB-D3-R1: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-7741: Learning Continuous High-Dimensional Models Using Mutual Information and Copula Bayesian Networks
Marvin Lasserre, Régis Lebrun, Pierre-Henri Wuillemin

AAAI-7971: Bounding Causal Effects on Continuous Outcome
Junzhe Zhang, Elias Bareinboim

AAAI-4640: Polynomial-Time Algorithms for Counting and Sampling Markov Equivalent DAGs
Marcel Wienöbst, Max Bannach, Maciej Liskiewicz

AAAI-9928: A New Bounding Scheme for Influence Diagrams
Radu Marinescu, Junkyu Lee, Rina Dechter

AAAI-676: Scalable First-Order Methods for Robust MDPs
Julien Grand Clement, Christian Kroer

AAAI-7289: Relational Boosted Bandits
Ashutosh Dilipbhai Kakadiya, Sriraam Natarajan, Balaraman Ravindran

AAAI-2127: Estimation of Spectral Risk Measures
Ajay Kumar Pandey, Prashanth L.A., Sanjay P. P. Bhat

AAAI-2239: Better Bounds on the Adaptivity Gap of Influence Maximization under Full-Adoption Feedback
Gianlorenzo D'Angelo, Debashmita Poddar, Cosimo Vinci

Cluster: Data Mining & Knowledge Management

AB-D3-R1: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-4255: PASSLEAF: A Pool-Based Semi-Supervised Learning Framework for Uncertain Knowledge Graph Embedding
Zhu-Mu Chen, Mi-Yen Yeh, Tei-Wei Kuo

AAAI-10336: DocParser: Hierarchical Document Structure Parsing from Renderings
Johannes Rausch, Jesus Octavio Martinez Bermudez, Fabian Bissig, Ce Zhang, Stefan Feuerriegel

AAAI-1122: Robust Spatio-Temporal Purchase Prediction via Deep Meta Learning
Huiling Qin, Songyu Ke, Xiaodu Yang, Haoran Xu, Xianyuan Zhan, Yu Zheng

AAAI-1855: Few-Shot One-Class Classification via Meta-Learning
Ahmed Frikha, Denis Krompass, Hans-Georg Koepken, Volker Tresp

AAAI-6302: Spatial-Temporal Fusion Graph Neural Networks for Traffic Flow Forecasting
Mengzhang Li, Zhanxing Zhu

AAAI-6939: Learning from History: Modeling Temporal Knowledge Graphs with Sequential Copy-Generation Networks
Cunchao Zhu, Muhao Chen, Changjun Fan, Guangquan Cheng, Yan Zhang

AAAI-9242: Rejection Sampling for Weighted Jaccard Similarity Revisited
Xiaoyun Li, Ping Li

AAAI-4927: Communicative Message Passing for Inductive Relation Reasoning
Sijie Mai, Shuangjia Zheng, Yuedong Yang, Haifeng Hu

Cluster: Applications

AB-D3-R1: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-2261: Arbitrary Video Style Transfer via Multi-Channel Correlation
Yingying Deng, Fan Tang, Weiming Dong, Haibin Huang, Chongyang Ma, Changsheng Xu

AAAI-7940: Learning to Scale Mixed-Integer Programs
Timo Berthold, Gregor Hendel

AAAI-1413: The LOB Recreation Model: Predicting the Limit Order Book from TAQ History Using an Ordinary Differential Equation Recurrent Neural Network
Zijian Shi, Yu Chen, John Cartlidge

AAAI-7695: Gene Regulatory Network Inference as Relaxed Graph Matching
Deborah Weighill, Marouen Ben Guebila, Camila Lopes-Ramos, Kimberly Glass, John Quackenbush, John H Platig, Rebekka Burkholz

AAAI-3245: Learning the Parameters of Bayesian Networks from Uncertain Data
Segev Wasserkrug, Radu Marinescu, Sergey Zeltyn, Evgeny Shindin, Yishai A Feldman

AAAI-2698: MFES-HB: Efficient Hyperband with Multi-Fidelity Quality Measurements
Yang Li, Yu Shen, Jiawei Jiang, Jinyang Gao, Ce Zhang, Bin Cui

Cluster: Vision: Applications

AB-D3-R1: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-10019: Localization in the Crowd with Topological Constraints
Shahira Abousamra, Minh Hoai Nguyen, Dimitris Samaras, Chao Chen

AAAI-1864: Joint Demosaicking and Denoising in the Wild: The Case of Training under Ground Truth Uncertainty
Jierun Chen, Song Wen, Gary Chan

AAAI-6821: Audio-Visual Localization by Synthetic Acoustic Image Generation
Valentina Sanguineti, Pietro Morerio, Alessio Del Bue, Vittorio Murino

Cluster: Vision: Motion, Tracking & Video Understanding

AB-D3-R1: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-797: Model Uncertainty Guides Visual Object Tracking
Lijun Zhou, Antoine Ledent, Qintao Hu, Ting Liu, Jianlin Zhang, Marius Kloft

AAAI-4901: The Complexity of Object Association in Multiple Object Tracking
Robert Galian, Thekla Hamm, Sebastian Ordyniak

AAAI-6469: Temporal Pyramid Network for Pedestrian Trajectory Prediction with Multi-Supervision
Rongqin Liang, Yuanman Li, Xia Li, Yi Tang, Jiantao Zhou, Wenbin Zou

AAAI-1613: Learning Comprehensive Motion Representation for Action Recognition
Mingyu Wu, Boyuan Jiang, Donghao Luo, Junchi Yan, Yabiao Wang, Ying Tai, Chengjie Wang, Jilin Li, Feiyue Huang, Xiaokang Yang

AAAI-1970: Spatio-Temporal Difference Descriptor for Skeleton-Based Action Recognition
Chongyang Ding, 董冲, Jari Korhonen, Evgeny Belyaev

AAAI-2568: SMART Frame Selection for Action Recognition
Shreyank N Gowda, Marcus Rohrbach, Laura Sevilla-Lara

AAAI-1201: GIF Thumbnails: Attract More Clicks to Your Videos
Yi Xu, Fan Bai, Yingxuan Shi, Qiuyu Chen, Longwen Gao, Kai Tian, Shuigeng Zhou, Huyang Sun

AAAI-1085: RT3D: Achieving Real-Time Execution of 3D Convolutional Neural Networks on Mobile Devices
Wei Niu, Mengshu Sun, Zhengang Li, Jou-An Chen, Jiexiong Guan, Xipeng Shen, Yanzhi Wang, Sijia Liu, Xue Lin, Bin Ren

AB-D3-R2: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

Cluster: NLP: Semantics

AB-D3-R2: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-5476: *-CFQ: Analyzing the Scalability of Machine Learning on a Compositional Task
Dmitry Tsarkov, Tibor Tihon, Nathan Scales, Nikola Momchev, Danila Sinopalnikov, Nathanael Schärli

AAAI-9719: Joint Semantic Analysis with Document-Level Cross-Task Coherence Rewards
Rahul Aralikkatte, Mostafa Abdou, Heather C Lent, Daniel Herscovich, Anders Søgaard

AAAI-7853: One SPRING to Rule Them Both: Symmetric AMR Semantic Parsing and Generation without a Complex Pipeline
Michele Bevilacqua, Rexhina Billosmi, Roberto Navigli

AAAI-9971: XL-WSD: An Extra-Large and Cross-Lingual Evaluation Framework for Word Sense Disambiguation
Tommaso Pasini, Alessandro Raganato, Roberto Navigli

AAAI-10237: Circles Are Like Ellipses, or Ellipses Are Like Circles? Measuring the Degree of Asymmetry of Static and Contextual Word Embeddings and the Implications to Representation Learning
Wei Zhang, Murray Campbell, Yang Yu, Sadhana Kumaravel

AAAI-704: Semantics Altering Modifications for Evaluating Comprehension in Machine Reading
Viktor Schlegel, Goran Nenadic, Riza Batista-Navarro

AAAI-9374: End-to-End Semantic Role Labeling with Neural Transition-Based Model
Hao Fei, Meishan Zhang, Bobo Li, Donghong Ji

Cluster: NLP: Discourse / Dialog / Summarization

AB-D3-R2: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-7281: Automatic Curriculum Learning with Over-Repetition Penalty for Dialogue Policy Learning
Yangyang Zhao, Zhenyu Wang, Zhenhua Huang

AAAI-3767: Interpretable NLG for Task-Oriented Dialogue Systems with Heterogeneous Rendering Machines
Yangming Li, Kaisheng Yao

AAAI-10211: MultiTalk: A Highly-Branching Dialog Testbed for Diverse Conversations
Yao Dou, Maxwell Forbes, Ari Holtzman, Yejin Choi

AAAI-6954: More the Merrier: Towards Multi-Emotion and Intensity Controllable Response Generation
Mauajama Firdaus, Hardik Chauhan, Asif Ekbal, Pushpak Bhattacharyya

AAAI-9980: HARGAN: Heterogeneous Argument Attention Network for Persuasiveness Prediction
Kuo-Yu Huang, Hen-Hsen Huang, Hsin-Hsi Chen

AAAI-2358: Improving Commonsense Causal Reasoning by Adversarial Training and Data Augmentation
Ignacio Iacobacci, Ieva Staliūnaitė, Philip John Gorinski

AAAI-9724: Movie Summarization via Sparse Graph Construction
Pinelopi Papalampidi, Frank Keller, Mirella Lapata

AAAI-10131: Unsupervised Opinion Summarization with Content Planning
Reinald Kim Amplayo, Stefanos Angelidis, Mirella Lapata

Cluster: ML: Semi-Supervised / Weakly-Supervised Learning

AB-D3-R2: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-564: Learning to Purify Noisy Labels via Meta Soft Label Corrector
Yichen Wu, Jun Shu, Qi Xie, Qian Zhao, Deyu Meng

AAAI-5922: Task Cooperation for Semi-Supervised Few-Shot Learning
Han-Jia Ye, Xin-Chun Li, De-Chuan Zhan

AAAI-8903: DeHiB: Deep Hidden Backdoor Attack on Semi-Supervised Learning via Adversarial Perturbation
Zhicong Yan, Gaolei Li, Yuan Tian, Jun Wu, Shenghong Li, Mingzhe Chen, H. Vincent Poor

AAAI-404: Semi-Supervised Metric Learning: A Deep Resurrection
Ujjal Kr Dutta, Mehrtash Harandi, C Chandra Shekhar

AAAI-2372: Learning with Group Noise
Qizhou Wang, Jiangchao Yao, Chen Gong, Tongliang Liu, Mingming Gong, Hongxia Yang, Bo Han

AAAI-2687: Analysing the Noise Model Error for Realistic Noisy Label Data
Michael A. Hedderich, Dawei Zhu, Dietrich Klakow

AAAI-2365: Tackling Instance-Dependent Label Noise via a Universal Probabilistic Model
Qizhou Wang, Bo Han, Chen Gong, Tongliang Liu, Gang Niu, Jian Yang

Cluster: ML: Neural Network Algorithms

AB-D3-R2: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-8787: Learned Extragradient ISTA with Interpretable Residual Structures for Sparse Coding
Yangyang Li, Lin Kong, Fanhua Shang, Yuanyuan Liu, Hongying Liu, Zhouchen Lin

AAAI-10292: Stochastic Precision Ensemble: Self-Knowledge Distillation for Quantized Deep Neural Networks
Yoonho Boo, Sungho Shin, Jungwook Choi, Wonyong Sung

AAAI-3622: Harmonized Dense Knowledge Distillation Training for Multi-Exit Architectures
Xinglu Wang, Yingming Li

AAAI-9856: Anytime Inference with Distilled Hierarchical Neural Ensembles
Adria Ruiz, Jakob Verbeek

AAAI-9785: Show, Attend and Distill: Knowledge Distillation via Attention-Based Feature Matching
Mingi Ji, Byeongho Heo, Sungrae Park

AAAI-3823: Open-Set Recognition with Gaussian Mixture Variational Autoencoders
Alexander Cao, Yuan Luo, Diego Klabjan

AAAI-2696: Topology Distance: A Topology Based Approach for Evaluating Generative Adversarial Networks
Danijela Horak, Simiao Yu, Gholamreza Salimi-Khorshidi

AAAI-9254: Learning to Reweight with Deep Interactions
Yang Fan, Yingce Xia, Lijun Wu, Shufang Xie, Weiqing Liu, Jiang Bian, Tao Qin, Xiangyang Li

Cluster: ML: Learning Theory / ML Optimization

AB-D3-R2: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-9097: Game of Gradients: Mitigating Irrelevant Clients in Federated Learning
Lokesh Nagalapatti, Ramasuri Narayanam

AAAI-1442: Learning of Structurally Unambiguous Probabilistic Grammars
Dolav Nitay, Dana Fisman, Michal Ziv-Ukelson

AAAI-2191: From Label Smoothing to Label Relaxation
Julian Liener, Eyke Hüllermeier

AAAI-7710: Norm-Based Generalisation Bounds for Deep Multi-Class Convolutional Neural Networks
Antoine Ledent, Waleed Mustafa, Yunwen Lei, Marius Kloft

AAAI-6872: Consistency and Finite Sample Behavior of Binary Class Probability Estimation
Alexander Mey, Marco Loog

AAAI-5303: Provably Good Solutions to the Knapsack Problem via Neural Networks of Bounded Size
Christoph Hertrich, Martin Skutella

Cluster: ML: Transfer/Adaptation/Multi-task/Meta/Automated Learning

AB-D3-R2: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-421: Sample Selection for Universal Domain Adaptation
Omri Lifshitz, Lior Wolf

AAAI-8206: Learning Generalized Relational Heuristic Networks for Model-Agnostic Planning
Rushang V Karia, Siddharth Srivastava

AAAI-5135: Bridging the Domain Gap: Improve Informal Language Translation via Counterfactual Domain Adaptation
Ke Wang, Guandan Chen, Zhongqiang Huang, Xiaojun Wan, Fei Huang

AAAI-2556: NASGEM: Neural Architecture Search via Graph Embedding Method
Hsin-Pai Cheng, Tunhou Zhang, Yixing Zhang, Shiyu Li, Feng Liang, Feng Yan, Meng Li, Vikas Chandra, Hai Li, Yiran Chen

AAAI-1637: How Does the Combined Risk Affect the Performance of Unsupervised Domain Adaptation Approaches?
Li Zhong, Zhen Fang, Feng Liu, Bo Yuan, Guangquan Zhang, Jie Lu

AAAI-7556: Measuring Dependence with Matrix-Based Entropy Functional
Shujian Yu, Francesco Alesiani, Xi Yu, Robert Jenssen, Jose Principe

AAAI-7361: Learning Prediction Intervals for Model Performance
Benjamin Elder, Matthew Arnold, Anupama Murthi, Jiri Navratil

Cluster: ML: Online Learning & Bandits

AB-D3-R2: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-9199: Lenient Regret for Multi-Armed Bandits
Nadav Merlis, Shie Mannor

AAAI-9877: Projection-Free Bandit Optimization with Privacy Guarantees
Alina Ene, Huy Nguyen, Adrian Vladu

AAAI-10145: Online Non-Monotone DR-Submodular Maximization
Kim Thang Nguyen, Abhinav Srivastav

AAAI-5574: Local Differential Privacy for Bayesian Optimization
Xingyu Zhou, Jian Tan

AAAI-6446: Computing an Efficient Exploration Basis for Learning with Univariate Polynomial Features
Chaitanya Amballa, Manu Kumar Gupta, Sanjay P. P. Bhat

AAAI-2325: An Efficient Algorithm for Deep Stochastic Contextual Bandits
Tan Zhu, Guannan Liang, Chunjiang Zhu, Haining Li, Jinbo Bi

Cluster: 3D Computer Vision

AB-D3-R2: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-43
Shape-Pose Ambiguity in Learning 3D Reconstruction from Images
Yunjie Wu, Zhengxing Sun, Youcheng Song, Yunhan Sun, YiJie Zhong, Jinlong Shi

AAAI-3467: RTS3D: Real-Time Stereo 3D Detection From 4D Feature-Consistency Embedding Space for Autonomous Driving
Peixuan Li, Shun Su, Huaici Zhao

AAAI-10029: Geodesic-HOF: 3D Reconstruction without Cutting Corners
Ziyun Wang, Eric Mitchell, Volkan Isler, Daniel D Lee

AAAI-2549: Self-Supervised Multi-View Stereo via Effective Co-Segmentation and Data-Augmentation
Hongbin Xu, Zhipeng Zhou, Yu Qiao, Wenxiong Kang, Qixia Wu

AAAI-351: CIA-SSD: Confident IoU-Aware Single-Stage Object Detector From Point Cloud
Wu Zheng, Weiliang Tang, Sijin Chen, Li Jiang, Chi-Wing Fu

AAAI-3692: PC-RGNN: Point Cloud Completion and Graph Neural Network for 3D Object Detection
Yanan Zhang, Di Huang, Yunhong Wang

AAAI-1178: DeepDT: Learning Geometry from Delaunay Triangulation for Surface Reconstruction
Yiming Luo, Zhenxing Mi, Wenbing Tao

Cluster: Vision: Computational Photography, Image & Video Synthesis

AB-D3-R2: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-1020: Exploiting Relationship for Complex-Scene Image Generation
Tianyu Hua, Hongdong Zheng, Yalong Bai, Wei Zhang, Xiao-Ping Zhang, Tao Mei

AAAI-1379: Few-Shot Font Generation with Localized Style Representations and Factorization
Song Park, Sanghyuk Chun, Junbum Cha, Bado Lee, Hyunjung Shim

AAAI-809: MIEHDR CNN: Main Image Enhancement Based Ghost-Free High Dynamic Range Imaging Using Dual-Lens Systems

Xuan Dong, Xiaoyan Hu, Weixin Li, Xiaojie Wang, Yunhong Wang

AAAI-7616: Analogical Image Translation for Fog Generation
Rui Gong, Dengxin Dai, Yuhua Chen, Wen Li, Danda Pani Paudel, Luc Van Gool

AAAI-995: Object-Centric Image Generation from Layouts
Tristan Sylvain, Pengchuan Zhang, Yoshua Bengio, R Devon Hjelm, Shikhar Sharma

AAAI-6049: FontRL: Chinese Font Synthesis via Deep Reinforcement Learning
Yitian Liu, Zhouhui Lian

AAAI-1900: Spectral Distribution Aware Image Generation
Steffen Jung, Margret Keuper

AAAI-866: Split then Refine: Stacked Attention-Guided ResUNets for Blind Single Image Visible Watermark Removal
Xiaodong Cun, Chi-Man Pun

Cluster: Vision: Adversarial Learning, Attacks & Robustness

AB-D3-R2: February 6, 8:45 AM – 10:30 AM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-7104: Adversarial Training Reduces Information and Improves Transferability
Matteo Terzi, Alessandro Achille, Marco Maggipinto, Gian Antonio Susto

AAAI-9392: Efficient Certification of Spatial Robustness
Anian Ruoss, Maximilian Baader, Mislav Balunovic, Martin Vechev

AAAI-645: Beating Attackers at Their Own Games: Adversarial Example Detection Using Adversarial Gradient Directions
Yuhang Wu, Sunpreet S Arora, Yanhong Wu, Hao Yang

AAAI-10153: Enhanced Regularizers for Attributional Robustness
Anindya Sarkar, Anirban Sarkar, Vineeth N Balasubramanian

AAAI-10338: Adversarial Turing Patterns from Cellular Automata
Nurislam Tursynbek, Ilya Vilkoviskiy, Maria Sindeeva, Ivan Oseledets

AAAI-2606: Towards Universal Physical Attacks on Single Object Tracking
Li Ding, Yongwei Wang, Kaiwen Yuan, Minyang Jiang, Ping Wang, Hua Huang, Z. Jane Wang

AAAI-726: Initiative Defense against Facial Manipulation
Qidong Huang, Wenbo Zhou, Jie Zhang, Weiming Zhang, Nenghai Yu

BC-D3-R1: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

Cluster: Knowledge Representation and Reasoning

BC-D3-R1: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-8119: GenSynth: Synthesizing Datalog Programs without Language Bias
Jonathan Mendelson, Aaditya Naik, Mukund Raghothaman, Mayur Naik

AAAI-7855: Argumentation Frameworks with Strong and Weak Constraints: Semantics and Complexity
Gianvincenzo Alfano, Sergio Greco, Francesco Parisi, Irina Trubitsyna

AAAI-8265: On the Tractability of SHAP Explanations
Guy Van den Broeck, Anton Lykov, Maximilian Schleich, Dan Suciu

AAAI-4293: Algebra of Modular Systems: Containment and Equivalence
Andrei Bulatov, Eugenia Ternovska

AAAI-7778: On Exploiting Hitting Sets for Model Reconciliation
Stylianios Loukas Vasileiou, Alessandro Previti, William Yeoh

AAAI-6740: Network Satisfaction for Symmetric Relation Algebras with a Flexible Atom
Manuel Bodirsky, Simon Knäuer

AAAI-6557: Learning Term Embeddings for Lexical Taxonomies
Jingping Liu, Menghui Wang, Chao Wang, Jiaqing Liang, Lihan Chen, Haiyun Jiang, Yanghua Xiao, Yunwen Chen

AAAI-6001: Topology-Aware Correlations between Relations for Inductive Link Prediction in Knowledge Graphs
Jiajun Chen, Huarui He, Feng Wu, Jie Wang

Cluster: Game Theory and Economic Paradigms

BC-D3-R1: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-897: Protecting the Protected Group: Circumventing Harmful Fairness
Omer Ben-Porat, Moshe Tennenholtz, Fedor Sandomirskiy

AAAI-10256: Bandit Linear Optimization for Sequential Decision Making and Extensive-Form Games
Gabriele Farina, Robin Schmucker, Tuomas Sandholm

AAAI-2930: Scarce Societal Resource Allocation and the Price of (Local) Justice
Quan M Nguyen, Sanmay Das, Roman Garnett

AAAI-5847: Model-Sharing Games: Analyzing Federated Learning under Voluntary Participation
Kathleen Donahue, Jon Kleinberg

AAAI-7152: Almost Envy-Freeness, Envy-Rank, and Nash Social Welfare Matchings
Alireza Farhadi, MohammadTaghi Hajiaghahi, Mohamad Latifian, Masoud Seddighin, Hadi Yami

AAAI-3807: Finding and Certifying (Near-)Optimal Strategies in Black-Box Extensive-Form Games
Brian H Zhang, Tuomas Sandholm

AAAI-5256: Infinite-Dimensional Fisher Markets: Equilibrium, Duality and Optimization
Yuan Gao, Christian Kroer

AAAI-10233: Scalable Equilibrium Computation in Multi-Agent Influence Games on Networks
Fotini Christia, Michael J Curry, Constantinos Daskalakis, Erik Demaine, John P Dickerson, MohammadTaghi Hajiaghahi, Adam Hesterberg, Marina L Knittel, Aidan Milliff

Cluster: Reasoning under Uncertainty

BC-D3-R1: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-8666: Probabilistic Dependency Graphs
Oliver E Richardson, Joseph Y Halpern

AAAI-8987: Estimating Identifiable Causal Effects through Double Machine Learning
Yonghan Jung, Jin Tian, Elias Bareinboim

AAAI-3651: A Generative Adversarial Framework for Bounding Confounded Causal Effects
Yaowei Hu, Yongkai Wu, Lu Zhang, Xintao Wu

AAAI-5807: Group Fairness by Probabilistic Modeling with Latent Fair Decisions
YooJung Choi, Meihua Dang, Guy Van den Broeck

AAAI-7936: Dynamic Automaton-Guided Reward Shaping for Monte Carlo Tree Search
Alvaro Velasquez, Brett Bissey, Lior Barak, Andre Beckus, Ismail Alkhouri, Daniel Melcer, George Atia

AAAI-3803: The Tractability of SHAP-Score-Based Explanations for Classification over Deterministic and Decomposable Boolean Circuits
Marcelo Arenas, Pablo Barceló, Leopoldo Bertossi, Mikaël Monet

AAAI-9891: Ordinal Historical Dependence in Graphical Event Models with Tree Representations
Debarun Bhattacharjya, Tian Gao, Dharmashankar Subramanian

AAAI-10169: Query Training: Learning a Worse Model to Infer Better Marginals in Undirected Graphical Models with Hidden Variables
Miguel Lázaro-Gredilla, Wolfgang Lehrach, Nishad Gothoskar, Guangyao Zhou, Antoine Dedieu, Dileep George

Cluster: Healthcare & Covid Applications

BC-D3-R1: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-8168: TAC: Towered Actor Critic for Handling Multiple Action Types in Reinforcement Learning for Drug Discovery
Sai Krishna Gottipati, Yashaswi Pathak, Boris Sattarov, . Sahir, Rohan Nuttall, Mohammad Amini, Matthew E. Taylor, Sarath Chandar

AAAI-8293: Automated Lay Language Summarization of Biomedical Scientific Reviews
Yue Guo, Wei Qiu, Yizhong Wang, Trevor Cohen

AAAI-3857: Optimal Kidney Exchange with Immunosuppressants
Haris Aziz, Agnes Cseh, John P Dickerson, Duncan C McElfresh

AAAI-1693: CardioGAN: Attentive Generative Adversarial Network with Dual Discriminators for Synthesis of ECG from PPG
Pritam Sarkar, Ali Etemad

AAAI-8417: A Hierarchical Approach to Multi-Event Survival Analysis
Donna E Tjandra, Yifei He, Jenna Wiens

AAAI-3049: Group Testing on a Network
Arlei Lopes da Silva, Ambuj Singh

AAAI-4355: Efficient Folded Attention for Medical Image Reconstruction and Segmentation
Hang Zhang, Jinwei Zhang, Rongguang Wang, Qihao Zhang, Pascal Spincemaille, Thanh D. Nguyen, Yi Wang

Cluster: Humans and AI

BC-D3-R1: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-5923: Learning To Sit: Synthesizing Human-Chair Interactions via Hierarchical Control
Yu-Wei Chao, Jimei Yang, Weifeng Chen, Jia Deng

AAAI-5719: Automated Storytelling via Causal, Commonsense Plot Ordering
Prithviraj V Ammanabrolu, Wesley Cheung, William D Broniec, Mark Riedl

AAAI-6381: Wasserstein Distributionally Robust Inverse Multiobjective Optimization
Chaosheng Dong, Bo Zeng

AAAI-8145: Illuminating Mario Scenes in the Latent Space of a Generative Adversarial Network
Matthew Fontaine, Ruilin Liu, Ahmed Khalifa, Jignesh Modi, Julian Togelius, Amy K. Hoover, Stefanos Nikolaidis

AAAI-8069: Indecision Modeling
Duncan C McElfresh, Lok Chan, Kenzie Doyle, Walter Sinnott-Armstrong, Vincent Conitzer, Jana Schaich Borg, John P Dickerson

AAAI-9953: Learning Rewards from Linguistic Feedback
Theodore R Summers, Mark Ho, Robert Hawkins, Karthik Narasimhan, Tom Griffiths

AAAI-3167: ActionBert: Leveraging User Actions for Semantic Understanding of User Interfaces
Zecheng He, Srinivas Sunkara, Xiaoxue Zang, Ying Xu, Lijuan Liu, Nevan Wichers, Gabriel Schubiner, Ruby Lee, Jindong Chen

AAAI-1506: Contrastive Adversarial Learning for Person Independent Facial Emotion Recognition
Daeha Kim, Byung Cheol Song

Cluster: Data Mining & Knowledge Management

BC-D3-R1: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-6912: Joint Air Quality and Weather Prediction Based on Multi-Adversarial Spatiotemporal Networks
Jindong Han, Hao Liu, Hengshu Zhu, Hui Xiong, Dejing Dou

AAAI-1174: Self-Supervised Prototype Representation Learning for Event-Based Corporate Profiling
Zixuan Yuan, Hao Liu, Renjun Hu, Denghui Zhang, Hui Xiong

AAAI-9868: Learning from eXtreme Bandit Feedback
Romain Lopez, Inderjit S. Dhillon, Michael Jordan

AAAI-4111: Capturing Delayed Feedback in Conversion Rate Prediction via Elapsed-Time Sampling
Jia-Qi Yang, Xiang Li, Shuguang Han, Tao Zhuang, De-Chuan Zhan, Xiaoyi Zeng, Bin Tong

AAAI-1434: Type-Augmented Relation Prediction in Knowledge Graphs
Zijun Cui, Pavan Kapanipathi, Kartik Talamadupula, Tian Gao, Qiang Ji

AAAI-3030: Taxonomy Completion via Triplet Matching Network
Jieyu Zhang, Xiangchen Song, Ying Zeng, Jiase Chen, Jiaming Shen, Yuning Mao, Lei Li

AAAI-181: Why Do Attributes Propagate in Graph Convolutional Neural Networks?
Liang Yang, Chuan Wang, Junhua Gu, Xiaochun Cao, Bingxin Niu

AAAI-9208: A Unified Pretraining Framework for Passage Ranking and Expansion
Ming Yan, Chenliang Li, Bin Bi, Wei Wang, Songfang Huang

Cluster: Applications

BC-D3-R1: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-8213: Modeling the Compatibility of Stem Tracks to Generate Music Mashups
Jiawen Huang, Ju-Chiang Wang, Jordan B. L. Smith, Xuchen Song, Yuxuan Wang

AAAI-9948: Sub-Seasonal Climate Forecasting via Machine Learning: Challenges, Analysis, and Advances
Sijie He, Xinyan Li, Timothy DelSole, Pradeep Ravikumar, Arindam Banerjee

AAAI-8779: Compound Word Transformer: Learning to Compose Full-Song Music over Dynamic Directed Hypergraphs
Wen-Yi Hsiao, Jen-Yu Liu, Yin-Cheng Yeh, Yi-Hsuan Yang

AAAI-4491: Alternative Baselines for Low-Shot 3D Medical Image Segmentation---An Atlas Perspective
Shuxin Wang, Shilei Cao, Dong Wei, Cong Xie, Kai Ma, Liansheng Wang, Deyu Meng, Yefeng Zheng

AAAI-6512: Capturing Uncertainty in Unsupervised GPS Trajectory Segmentation Using Bayesian Deep Learning
Christos Markos, James Yu, Richard Yi Da Xu

AAAI-10056: Predicting Livelihood Indicators from Community-Generated Street-Level Imagery
Jihyeon Lee, Dylan J Grosz, Burak Uzkent, Sicheng Zeng, Marshall Burke, David Lobell, Stefano Ermon

AAAI-8428: Membership Privacy for Machine Learning Models through Knowledge Transfer
Virat Shejwalkar, Amir Houmansadr

AAAI-932: In-Game Residential Home Planning via Visual Context-Aware Global Relation Learning
Lijuan Liu, Yin Yang, Yi Yuan, Tianjia Shao, He E Wang, Kun Zhou

AAAI-3780: Integrating Static and Dynamic Data for Improved Prediction of Cognitive Declines Using Augmented Genotype-Phenotype Representations
Hoon Seo, Lodewijk Brand, Hua Wang, Feiping Nie

AAAI-6698: Towards Balanced Defect Prediction with Better information Propagation
Xianda Zheng, Yuan-Fang Li, Huan Gao, Yuncheng Hua, Guilin Qi

AAAI-8452: StatEcoNet: Statistical Ecology Neural Networks for Species Distribution Modeling
Eugene Seo, Rebecca Hutchinson, Xiao Fu, Chelsea A Li, Tyler A Hallman, John B Kilbride, W. Douglas Robinson

AAAI-833: Interpretable Clustering on Dynamic Graphs with Recurrent Graph Neural Networks
Yuhang Yao, Carlee Joe-Wong

AAAI-8654: Low-Rank Registration Based Manifolds for Convection-Dominated PDEs
Rambod Mojtani, Maciej Balajewicz

AAAI-10232: Bringing UMAP Closer to the Speed of Light with GPU Acceleration
Corey J Nolet, Victor Lafargue, Edward Raff, Thejaswi Nanditalte, Tim Oates, John Zedlewski, Joshua Patterson

Cluster: NLP: Conversational AI/Dialog Systems

BC-D3-R1: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-4678: Unsupervised Learning of Deterministic Dialogue Structure with Edge-Enhanced Graph Auto-Encoder
Yajing Sun, Yong Shan, Chengguang Tang, Yue Hu, Yinpei Dai, Jing Yu, Jian Sun, Fei Huang, Luo Si

AAAI-3013: Exploring Auxiliary Reasoning Tasks for Task-Oriented Dialog Systems with Meta Cooperative Learning
Bowen Qin, Min Yang, Bing Lidong, Qingshan Jiang, Chengming Li, Ruifeng Xu

AAAI-8367: Encoding Syntactic Knowledge in Transformer Encoder for Intent Detection and Slot Filling
Jixuan Wang, Kai Wei, Martin Radfar, Weiwei Zhang, Clement Chung

AAAI-1260: Reinforced History Backtracking for Conversational Question Answering
Minghui Qiu, Xinjing Huang, Cen Chen, Feng Ji, Chen Qu, Wei Wei, Jun Huang, Yin Zhang

AAAI-8027: NaturalConv: A Chinese Dialogue Dataset Towards Multi-Turn Topic-Driven Conversation
Xiaoyang Wang, Chen Li, Jianqiao Zhao, Dong Yu

AAAI-10147: C2C-GenDA: Cluster-to-Cluster Generation for Data Augmentation of Slot Filling
Yutai Hou, Sanyuan Chen, Wanxiang Che, Cheng Chen, Ting Liu

AAAI-1236: Graph-Evolving Meta-Learning for Low-Resource Medical Dialogue Generation
Shuai Lin, Pan Zhou, Xiaodan Liang, Jianheng Tang, Ruihui Zhao, Ziliang Chen, Liang Lin

AAAI-8003: Revisiting Mahalanobis Distance for Transformer-Based Out-of-Domain Detection
Alexander Podolskiy, Dmitry Lipin, Andrey Bout, Ekaterina Artyomova, Irina Piontkovskaya

Cluster: NLP: Information Extraction

BC-D3-R1: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-8013: A Lightweight Neural Model for Biomedical Entity Linking
Lihu Chen, Gael P Varoquaux, Fabian Suchanek

AAAI-2155: Dynamic Modeling Cross- and Self-Lattice Attention Network for Chinese NER
Shan Zhao, Minghao Hu, Zhiping Cai, Haiwen Chen, Fang Liu

AAAI-4619: Progressive Multi-Task Learning with Controlled information Flow for Joint Entity and Relation Extraction
Kai Sun, Richong Zhang, Samuel A. Mensah, Yongyi Mao, Xudong Liu

AAAI-3163: Re-TACRED: Addressing Shortcomings of the TACRED Dataset
George I Stoica, Emmanouil Antonios Platanios, Barnabas Poczos

AAAI-2584: Multi-View Inference for Relation Extraction with Uncertain Knowledge
Bo Li, Wei Ye, Canming Huang, Shikun Zhang

AAAI-7273: Improving the Efficiency and Effectiveness for Bert-Based Entity Resolution
Bing Li, Yukai Miao, Yaoshu Wang, Yifang Sun, Wei Wang

AAAI-2215: FL-MSRE: A Few-Shot Learning Based Approach to Multimodal Social Relation Extraction
Hai Wan, Manrong Zhang, Jianfeng Du, Ziling Huang, Yufei Yang, Jeff Z. Pan

AAAI-7653: A Simple and Effective Self-Supervised Contrastive Learning Framework for Aspect Detection
Tian Shi, Liuqing Li, Ping Wang, Chandan K Reddy

BC-D3-R2: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

Cluster: ML: Reinforcement Learning / Imitation / Active Learning

BC-D3-R2: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-10000: Inverse Reinforcement Learning with Natural Language Goals
Li Zhou, Kevin Small

AAAI-6031: Inverse Reinforcement Learning from Like-Minded Teachers
Ritesh Noothigattu, Tom Yan, Ariel D Procaccia

AAAI-5535: Theoretically Principled Deep RL Acceleration via Nearest Neighbor Function Approximation
Junhong Shen, Lin Yang

AAAI-5930: Uncertainty-Aware Policy Optimization: A Robust, Adaptive Trust Region Approach
James Queeney, Ioannis Paschalidis, Christos G. Cassandras

AAAI-1137: Self-Supervised Attention-Aware Reinforcement Learning
Haiping Wu, Khimya Khetarpal, Doina Precup

AAAI-5637: Mercer Features for Efficient Combinatorial Bayesian Optimization
Aryan Deshwal, Syrine Belakaria, Janardhan Rao Doppa

AAAI-2495: Unsupervised Active Learning via Subspace Learning
Changsheng Li, KaiHang Mao, Lingyan Liang, Dongchun Ren, Wei Zhang, Ye Yuan, Guoren Wang

AAAI-2757: Exploration by Maximizing Renyi Entropy for Reward-Free RL Framework
Chuheng Zhang, Yuanying Cai, Longbo Huang, Jian Li

Cluster: ML: Neural Network Algorithms

BC-D3-R2: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-2806: Improving Gradient Flow with Unrolled Highway Expectation Maximization
Chonghyuk Song, Inwook Shim, Eunseok Kim

AAAI-5889: Data-Free Knowledge Distillation with Soft Targeted Transfer Set Synthesis
Zi Wang

AAAI-1162: Flow-Based Generative Models for Learning Manifold to Manifold Mappings
Xingjian Zhen, Rudrasis Chakraborty, Liu Yang, Vikas Singh

AAAI-3390: Cross-Layer Distillation with Semantic Calibration
Defang Chen, Jian-Ping Mei, Yuan Zhang, Can Wang, Zhe Wang, Yan Feng, Chun Chen

AAAI-260: SHOT-VAE: Semi-Supervised Deep Generative Models with Label-Aware ELBO Approximations
Haozhe Feng, Minghao Chen, Minfeng Zhu, Kezhi Kong, Tianye Zhang, Wei Chen

AAAI-10197: Segatron: Segment-Aware Transformer for Language Modeling and Understanding
He Bai, Peng Shi, Jimmy Lin, Yuqing Xie, Luchen Tan, Kun Xiong, Wen Gao, Ming Li

AAAI-7030: Nyströmformer: A Nyströmform-Based Algorithm for Approximating Self-Attention
Yunyang Xiong, Zhanpeng Zeng, Rudrasis Chakraborty, Mingxing Tan, Glenn M Fung, Yin Li, Vikas Singh

AAAI-4723: Gated Linear Networks
Joel Veness, Tor Lattimore, David Budden, Avishkar Bhoopchand, Christopher Mattern, Agnieszka Grabska-Barwinska, Eren Sezener, Jianan Wang, Peter Toth, Simon Schmitt, Marcus Hutter

Cluster: ML: Learning Theory / Optimization

BC-D3-R2: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-1049: PDO-eS2CNNs: Partial Differential Operator Based Equivariant Spherical CNNs
Zhengyang Shen, Tiancheng Shen, Zhouchen Lin, Jinwen Ma

AAAI-10128: Frugal Optimization for Cost-Related Hyperparameters
Qingyun Wu, Chi Wang, Silu Huang

AAAI-1094: BANANAS: Bayesian Optimization with Neural Architectures for Neural Architecture Search
Colin White, Willie Neiswanger, Yash Savani

AAAI-9205: A Blind Block Term Decomposition of High Order Tensors
Yunfeng Cai, Ping Li

AAAI-1191: Disentangled Information Bottleneck
Ziqi Pan, Li Niu, Jianfu Zhang, Liqing Zhang

AAAI-5322: A Recipe for Global Convergence Guarantee in Deep Neural Networks
Kenji Kawaguchi, Qingyun Sun

AAAI-7991: Learning Invariant Representations Using Inverse Contrastive Loss
Aditya Kumar Akash, Vishnu Suresh Lokhande, Sathya Ravi, Vikas Singh

AAAI-2046: Efficient Classification with Adaptive KNN
Puning Zhao, Lifeng Lai

Cluster: ML: Low Resource ML

BC-D3-R2: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-1263: Compressing Deep Convolutional Neural Networks by Stacking Low-Dimensional Binary Convolution Filters
Weichao Lan, Liang Lan

AAAI-1845: FracBits: Mixed Precision Quantization via Fractional Bit-Widths
Linjie Yang, Qing Jin

AAAI-419: Any-Precision Deep Neural Networks
Haichao Yu, Haoxiang Li, Humphrey Shi, Thomas Huang, Gang Hua

AAAI-9772: Memory and Computation-Efficient Kernel SVM via Binary Embedding and Ternary Coefficients
Zijian Lei, Liang Lan

AAAI-4220: Provable Benefits of Overparameterization in Model Compression: From Double Descent to Pruning Neural Networks
Xiangyu Chang, Yingcong Li, Samet Oymak, Christos Thrampoulidis

AAAI-5617: Efficient On-Chip Learning for Optical Neural Networks through Power-Aware Sparse Zeroth-Order Optimization
Jiaqi Gu, Chenghao Feng, Zheng Zhao, Zhoufeng Ying, Ray T Chen, David Z Pan

AAAI-9903: Temporal-Coded Deep Spiking Neural Network with Easy Training and Robust Performance

Shibo Zhou, Xiaohua Li, Ying Chen, Sanjeev Tannirkulam Chandrasekaran, Arindam Sanyal

Cluster: ML: Online Learning & Bandits

BC-D3-R2: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-2135: Stochastic Graphical Bandits with Adversarial Corruptions
Shiyin Lu, Guanghui Wang, Lijun Zhang

AAAI-5657: A Sample-Efficient Algorithm for Episodic Finite-Horizon MDP with Constraints
Krishna C Kalagarla, Rahul Jain, Pierluigi Nuzzo

AAAI-8558: Adversarial Linear Contextual Bandits with Graph-Structured Side Observations
Lingda Wang, Bingcong Li, Huozhi Zhou, Georgios B. Giannakis, Lav Varshney, Zhizhen Zhao

AAAI-9820: Quantum Exploration Algorithms for Multi-Armed Bandits
Daochen Wang, Xuchen You, Tongyang Li, Andrew Childs

AAAI-6013: DART: Adaptive Accept Reject Algorithm for Non-Linear Combinatorial Bandits
Mridul Agarwal, Vaneet Aggarwal, Abhishek Kumar Umrawal, Chris Quinn

AAAI-2200: Regret Bounds for Online Kernel Selection in Continuous Kernel Space
Xiao Zhang, Shizhong Liao, Jun Xu, Ji-Rong Wen

AAAI-5929: Online Optimal Control with Affine Constraints
Yingying Li, Subhro Das, Na Li

AAAI-9103: Robust Bandit Learning with Imperfect Context
Jianyi Yang, Shaolei Ren

Cluster: ML: Adversarial Learning, Attacks & Robustness

BC-D3-R2: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-471: Stereopagnosia: Fooling Stereo Networks with Adversarial Perturbations
Alex Wong, Mukund Mundhra, Stefano Soatto

AAAI-5677: Self-Progressing Robust Training
Minhao Cheng, Pin-Yu Chen, Sijia Liu, Shiyu Chang, Cho-Jui Hsieh, Payel Das

AAAI-1431: DIBS: Diversity Inducing Information Bottleneck in Model Ensembles
Samarth Sinha, Homanga Bharadhwaj, Anirudh Goyal, Hugo Larochelle, Animesh Garg, Florian Shkurti

AAAI-7923: Enabling Fast and Universal Audio Adversarial Attack Using Generative Model
Yi Xie, Zhuohang Li, Cong Shi, Jian Liu, Yingying Chen, Bo Yuan

AAAI-8603: Adversarial Training and Provable Robustness: A Tale of Two Objectives
Jiamneg Fan, Wenchao Li

AAAI-5716: Improving Adversarial Robustness via Probabilistically Compact Loss with Logit Constraints
Xin Li, Xiangrui Li, Deng Pan, Dongxiao Zhu

Cluster: ML: Time-Series/Data Streams

BC-D3-R2: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-9976: Meta-Learning Framework with Applications to Zero-Shot Time-Series Forecasting
Boris N. Oreshkin, Dmitri Carпов, Chapados Nicolas, Yoshua Bengio

AAAI-4139: Multi-Task Recurrent Modular Networks
Dongkuan Xu, Wei Cheng, Xin Dong, Bo Zong, Wenchao Yu, Jingchao Ni, Dongjin Song, Xuchao Zhang, Haifeng Chen, Xiang Zhang

AAAI-3796: Temporal Latent Autoencoder: A Method for Probabilistic Multivariate Time Series Forecasting
Nam Nguyen, Brian Quanz

AAAI-5192: Time Series Anomaly Detection with Multiresolution Ensemble Decoding
Lifeng Shen, Zhongzhong Yu, Qianli Ma, James Tin-Yau Kwok

AAAI-7391: Generative Semi-Supervised Learning for Multivariate Time Series Imputation
Xiaoye Miao, Yangyang Wu, Jun Wang, Yunjun Gao, Xudong Mao, Jianwei Yin

AAAI-9957: FC-GAGA: Fully Connected Gated Graph Architecture for Spatio-Temporal Traffic Forecasting

Boris N. Oreshkin, Arezou Amini, Lucy Coyle, Mark Coates

AAAI-2044: Synergetic Learning of Heterogeneous Temporal Sequences for Multi-Horizon Probabilistic Forecasting
Longyuan Li, Jihai Zhang, Junchi Yan, Yaohui Jin, Yunhao Zhang, Yanjie Duan, Guangjian Tian

AAAI-151: Deep Switching Auto-Regressive Factorization: Application to Time Series Forecasting
Amirreza Farnoosh, Bahar Azari, Sarah Ostadabbas

Cluster: Vision: Video Understanding & Activity Analysis

BC-D3-R2: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-4120: Appearance-Motion Memory Consistency Network for Video Anomaly Detection
Ruichu Cai, Hao Zhang, Wen Liu, Shenghua Gao, Zhifeng Hao

AAAI-9783: Vid-ODE: Continuous-Time Video Generation with Neural Ordinary Differential Equation
Sunghyun Park, Kangyeol Kim, Junsoo Lee, Jaegul Choo, Joonseok Lee, Sookyung Kim, Edward Choi

AAAI-5287: Multi-Scale Spatial Temporal Graph Convolutional Network for Skeleton-Based Action Recognition
Zhan Chen, Sicheng Li, Bing Yang, Qinghan Li, Hong Liu

AAAI-2380: DASZL: Dynamic Action Signatures for Zero-Shot Learning
Tae Soo Kim, Jonathan D Jones, Michael Peven, Zihao Xiao, Jin Bai, Yi Zhang, Weichao Qiu, Alan Yuille, Gregory D. Hager

AAAI-1143: CompFeat: Comprehensive Feature Aggregation for Video Instance Segmentation
Yang Fu, Linjie Yang, Ding Liu, Thomas Huang, Humphrey Shi

AAAI-3224: Temporal Segmentation of Fine-Gained Semantic Action: A Motion-Centered Figure Skating Dataset
Shenglan Liu, Aibin Zhang, Yunheng Li, Jian Zhou, Li Xu, Zhuben Dong, Renhao Zhang

AAAI-7321: A Unified Multi-Scenario Attacking Network for Visual Object Tracking
Xuesong Chen, Canmiao Fu, Feng Zheng, Yong Zhao, Hongsheng Li, Ping Luo, Guo-Jun Qi

AAAI-2446: CARPe Posterum: A Convolutional Approach for Real-Time Pedestrian Path Prediction
Matias Mendieta, Hamed Tabkhi

Cluster: Vision: Computational Photography, Image & Video Synthesis

BC-D3-R2: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-942: One-Shot Face Reenactment Using Appearance Adaptive Normalization
Guangming Yao, Yi Yuan, Tianjia Shao, Shuang Li, Shanqi Liu, Yong Liu, Mengmeng Wang, Kun Zhou

AAAI-1663: Translate the Facial Regions You Like Using Self-Adaptive Region Translation
Wenshuang Liu, Wenting Chen, Zhanjia Yang, Linlin Shen

AAAI-2158: Structure-Aware Person Image Generation with Pose Decomposition and Semantic Correlation
Jilin Tang, Yi Yuan, Tianjia Shao, Yong Liu, Mengmeng Wang, Kun Zhou

AAAI-9702: End-to-End Differentiable Learning to HDR Image Synthesis for Multi-Exposure Images
Junghee Kim, Siyeong Lee, Suk-Ju Kang

AAAI-2148: C2F-FWN: Coarse-to-Fine Flow Warping Network for Spatial-Temporal Consistent Motion Transfer
Dongxu Wei, Xiaowei Xu, Haibin Shen, Kejie Huang

AAAI-2915: Deep Probabilistic Imaging: Uncertainty Quantification and Multi-Modal Solution Characterization for Computational Imaging
He Sun, Katherine Bouman

AAAI-7475: Large Motion Video Super-Resolution with Dual Subnet and Multi-Stage Communicated Upsampling
Hongying Liu, Peng Zhao, Zhubo Ruan, Fanhua Shang, Yuanyuan Liu

AAAI-2123: Efficient Deep Image Denoising via Class Specific Convolution
Lu XU, Jiawei Zhang, Xuanye Cheng, Feng Zhang, Xing Wei, Jimmy Ren

Cluster: Language and Vision

BC-D3-R2: February 6, 8:45 AM – 10:30 AM PST and 4:45 PM – 6:30 PM PST

AAAI-3680: Consensus Graph Representation Learning for Better Grounded Image Captioning
Wenqiao Zhang, Haochen Shi, Siliang Tang, Jun Xiao, Qiang Yu, Yueting Zhuang

AAAI-7769: VIVO: Visual Vocabulary Pre-Training for Novel Object Captioning

Xiaowei Hu, Xi Yin, Kevin Lin, Lei Zhang, Jianfeng Gao, Lijuan Wang, Zicheng Liu

AAAI-1426: TIME: Text and Image Mutual-Translation Adversarial Networks
Bingchen A Liu, Kunpeng Song, Yizhe Zhu, Gerard de Melo, Ahmed Elgammal

AAAI-9821: A Case Study of the Shortcut Effects in Visual Commonsense Reasoning
Keren Ye, Adriana Kovashka

AAAI-1343: Object Relation Attention for Image Paragraph Captioning
Li-Chuan Yang, Chih-Yuan Yang, Jane Yung-jen Hsu

AAAI-6267: Boundary Proposal Network for Two-Stage Natural Language Video Localization
Shaoning Xiao, Long Chen, Songyang Zhang, Wei Ji, Jian Shao, Lu Ye, Jun Xiao

AAAI-2885: PGNet: Real-Time Arbitrarily-Shaped Text Spotting with Point Gathering Network
Pengfei Wang, Chengquan Zhang, Fei Qi, Shanshan Liu, Xiaoqiang Zhang, Pengyuan Lyu, Junyu Han, Jingtuo Liu, Errui Ding, Guangming Shi

AC-D3-R1: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

Cluster: Knowledge Representation and Reasoning

AC-D3-R1: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-2141: Strong Explanations in Abstract Argumentation
Markus Ulbricht, Johannes Peter Wallner

AAAI-2874: Recursion in Abstract Argumentation is Hard --- On the Complexity of Semantics Based on Weak Admissibility
Wolfgang Dvorak, Markus Ulbricht, Stefan Woltran

AAAI-3263: On-the-Fly Synthesis for LTL over Finite Traces
Shengping Xiao, Jianwen Li, Shufang Zhu, Yingying Shi, Geguang Pu, Moshe Vardi

AAAI-707: A General Setting for Gradual Semantics Dealing with Similarity
Leila Amgoud, Victor David

AAAI-5171: Certifying Top-Down Decision-DNNF Compilers
Florent Capelli, Jean-Marie Lagniez, Pierre Marquis

AAAI-3885: ChronoR: Rotation Based Temporal Knowledge Graph Embedding
Ali Sadeghian, Mohammadreza Armandpour, Anthony Colas, Daisy Zhe Wang

AAAI-6310: A Deep Reinforcement Learning Approach to First-Order Logic Theorem Proving
Maxwell Crouse, Ibrahim Abdelaziz, Bassem Makni, Spencer Whitehead, Cristina Cornelio, Pavan Kapanipathi, Kavitha Srinivas, Veronika Thost, Michael Wittbrock, Achille Fokoue

Cluster: Reasoning under Uncertainty/Bayesian Learning

AC-D3-R1: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-5941: Robust Contextual Bandits via Bootstrapping
Qiao Tang, Hong Xie, Yunni Xia, Jia Lee, Qingsheng Zhu

AAAI-1489: Uncertainty Quantification in CNN through the Bootstrap of Convex Neural Networks
Hongfei Du, Emre Barut, Fang Jin

AAAI-10223: Submodel Decomposition Bounds for Influence Diagrams
Junkyu Lee, Radu Marinescu, Rina Dechter

AAAI-9884: GO Hessian for Expectation-Based Objectives
Yulai Cong, Miaoyun Zhao, Jianqiao Li, Junya Chen, Lawrence Carin Duke

AAAI-5072: High Dimensional Level Set Estimation with Bayesian Neural Network
Huong Ha, Sunil Gupta, Santu Rana, Svetha Venkatesh

AAAI-1726: Instrumental Variable-Based Identification for Causal Effects Using Covariate Information
Yuta Kawakami

AAAI-1894: Longitudinal Deep Kernel Gaussian Process Regression
Junjie Liang, Yanting Wu, Dongkuan Xu, Vasant G Honavar

AAAI-10021: Avoiding Kernel Fixed Points: Computing with ELU and GELU Infinite Networks
Russell Tsuchida, Tim D Pearce, Chris van der Heide, Fred Roosta, Marcus Gallagher

Cluster: Data Mining & Knowledge Management

AC-D3-R1: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-5761: Learning Accurate and Interpretable Decision Rule Sets from Neural Networks
Litao Qiao, Weijia Wang, Bill Lin

AAAI-2206: Relative and Absolute Location Embedding for Few-Shot Node Classification on Graph
Zemin Liu, Yuan Fang, Chenghao Liu, Steven Hoi

AAAI-7194: A Graph-Based Relevance Matching Model for Ad-Hoc Retrieval
Yufeng Zhang, Jinghao Zhang, Zeyu Cui, Shu Wu, Liang Wang

AAAI-3976: Heterogeneous Graph Structure Learning for Graph Neural Networks
Jianan Zhao, Xiao Wang, Chuan Shi, Binbin Hu, Guojie Song, Yanfang Ye

AAAI-279: Detecting Beneficial Feature Interactions for Recommender Systems
Yixin Su, Rui Zhang, Sarah Erfani, Zhenghua Xu

AAAI-7228: Coupling Macro-Sector-Micro Financial Indicators for Learning Stock Representations with Less Uncertainty
Guifeng Wang, Longbing Cao, Hongke Zhao, Qi Liu, Enhong Chen

AAAI-2002: Coupled Layer-Wise Graph Convolution for Transportation Demand Prediction
Junchen Ye, Leilei Sun, Bowen Du, Yanjie Fu, Hui Xiong

AAAI-766: LREN: Low-Rank Embedded Network for Sample-Free Hyperspectral Anomaly Detection
Kai Jiang, Weiyang Xie, Jie Lei, Tao Jiang, Yunsong Li

Cluster: Humans and AI

AC-D3-R1: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-10238: Bounded Risk-Sensitive Markov Games: Forward Policy Design and Inverse Reward Learning with Iterative Reasoning and Cumulative Prospect Theory
Ran Tian, Liting Sun, Masayoshi TOMIZUKA

AAAI-542: Time to Transfer: Predicting and Evaluating Machine-Human Chatting Handoff
Jiawei Liu, Zhe Gao, Yangyang Kang, Zhuoren Jiang, Guoxiu He, Changlong Sun, Xiaozhong Liu, Wei Lu

AAAI-4110: Lexically Constrained Neural Machine Translation with Explicit Alignment Guidance
Guanhua Chen, Yun Chen, Victor O.K. Li

AAAI-1692: Inferring Emotion from Large-Scale Internet Voice Data: A Semi-Supervised Curriculum Augmentation Based Deep Learning Approach
Suping Zhou, Jia Jia, Zhiyong Wu, Zhihan Yang, Yanfeng Wang, Wei Chen, Fanbo Meng, Shuo Huang, Jialie Shen, Xiaochuan Wang

AAAI-4902: Deep Style Transfer for Line Drawings
Xueting Liu, Wenliang Wu, Huisi Wu, Zhenkun Wen

AAAI-9241: Human Uncertainty Inference via Deterministic Ensemble Neural Networks
Yujin Cha, Sang Wan Lee

AAAI-10202: Learning from Crowds by Modeling Common Confusions
Zhendong Chu, Jing Ma, Hongning Wang

AAAI-2671: Improving the Performance-Compatibility Tradeoff with Personalized Objective Functions
Jonathan Martinez, Kobi Gal, Ece Kamar, Levi H. S. Lelis

Cluster: Applications

AC-D3-R1: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-10300: Efficient Poverty Mapping from High Resolution Remote Sensing Images
Kumar Ayush, Burak Uzcent, Kumar Tanmay, Marshall Burke, David Lobell, Stefano Ermon

AAAI-821: MeInGame: Create a Game Character Face from a Single Portrait
Jiangke Lin, Yi Yuan, Zhengxia Zou

AAAI-3500: Fooling Thermal Infrared Pedestrian Detector in Real World Using Small Bulbs
Xiaopei Zhu, Xiao Li, Jianmin Li, Xiaolin Hu, Zheyao Wang

AAAI-6839: Correlation-Aware Heuristic Search for Intelligent Virtual Machine Provisioning in Cloud Systems
Chuan Luo, Bo Qiao, Wenqian Xing, Xin Chen, Pu Zhao, Chao Du, Randolph Yao, Hongyu Zhang, Wei Wu, Shaowei Cai, Bing He, Saravanakumar Rajmohan, Qingwei Lin

AAAI-2258: KGDet: Keypoint-Guided Fashion Detection
Shenhan Qian, Dongze Lian, Binqiang Zhao, Tong Liu, Bohui Zhu, Hai Li, Shenghua Gao

AAAI-2863: Sketch Generation with Drawing Process Guided by Vector Flow and Grayscale
Zhengyan Tong, Xuanhong Chen, Bingbing Ni, Xiaohang Wang

AAAI-7572: Towards Fully Automated Manga Translation
Ryota Hinami, Shonosuke Ishiwatari, Kazuhiko Yasuda, Yusuke Matsui

AAAI-7672: CNN Profiler on Polar Coordinate Images for Tropical Cyclone Structure Analysis
Boyo Chen, Buo-Fu Chen, Chun Min Hsiao

AAAI-3200: Deep Partial Rank Aggregation for Personalized Attributes
Qianqian Xu, Zhiyong Yang, Zuyao Chen, Yangbangyan Jiang, Xiaochun Cao, Yuan Yao, Qingming Huang

AAAI-233: RevMan: Revenue-Aware Multi-Task Online Insurance Recommendation
Yu Li, Yi Zhang, Lu Gan, GengWei Hong, Zimu Zhou, Qiang Li

AAAI-6977: DeepTrader: A Deep Reinforcement Learning Approach for Risk-Return Balanced Portfolio Management with Market Conditions Embedding
Zhicheng Wang, Biwei Huang, Shikui Tu, Kun Zhang, Lei Xu

AAAI-3927: Deep Portfolio Optimization via Distributional Prediction of Residual Factors
Kentaro Imajo, Kentaro Minami, Katsuya Ito, Kei Nakagawa

AAAI-8216: Asynchronous Stochastic Gradient Descent for Extreme-Scale Recommender Systems
Lewis Liu, Kun Zhao

AAAI-10122: The Causal Learning of Retail Delinquency
Yiyang Huang, Cheuk Hang Leung, Xing Yan, Qi Wu, Nanbo Peng, Dongdong Wang, Zhixiang Huang

AAAI-2849: Commission Fee Is Not Enough: A Hierarchical Reinforced Framework for Portfolio Management
Rundong Wang, Hongxin Wei, Bo An, Zhouyan Feng, Jun Yao

Cluster: NLP: Learning & Optimization

AC-D3-R1: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-8335: IsoBN: Fine-Tuning BERT with Isotropic Batch Normalization
Wenxuan Zhou, Bill Yuchen Lin, Xiang Ren

AAAI-8419: ALP-KD: Attention-Based Layer Projection for Knowledge Distillation
Peyman Passban, Yimeng Wu, Mehdi Rezagholizadeh, Qun Liu

AAAI-1396: ACT: An Attentive Convolutional Transformer for Efficient Text Classification
Pengfei Li, Peixiang Zhong, Kezhi Mao, Dongzhe Wang, Xuefeng Yang, Yunfeng Liu, Jianxiong (Terry) Yin, Simon See

AAAI-6162: ADAHESSIAN: An Adaptive Second Order Optimizer for Machine Learning
Zhewei Yao, Amir Gholami, Sheng Shen, Mustafa Mustafa, Kurt Keutzer, Michael Mahoney

AAAI-4335: Label Confusion Learning to Enhance Text Classification Models
Biyang Guo, Songqiao Han, Xiao Han, Hailiang Huang, Ting Lu

AAAI-9726: Towards Semantics-Enhanced Pre-Training: Can Lexicon Definitions Help Learning Sentence Meanings?
Xuancheng Ren, Xu Sun, Houfeng Wang, Qun Liu

AAAI-6493: Simpson's Bias in NLP Training
Fei Yuan, Longtu Zhang, Huang Bojun, Yaobo Liang

AAAI-10333: Faster Depth-Adaptive Transformers
Yijin Liu, Fandong Meng, Jie Zhou, Yufeng Chen, Jinan Xu

Cluster: NLP: Conversational AI/Dialog Systems

AC-D3-R1: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-3376: Learning from My Friends: Few-Shot Personalized Conversation Systems via Social Networks
Zhiliang Tian, Wei Bi, Zihan Zhang, Dongkyu Lee, Yiping Song, Nevin L Zhang

AAAI-8746: Keyword-Guided Neural Conversational Model
Peixiang Zhong, Yong Liu, Hao Wang, Chunyan Miao

AAAI-6700: Effective Slot Filling via Weakly-Supervised Dual-Model Learning
Jue Wang, Ke Chen, Lidan Shou, Sai Wu, Gang Chen

AAAI-10152: Few-Shot Learning for Multi-Label Intent Detection
Yutai Hou, Yongkui Lai, YuShan Wu, Wanxiang Che, Ting Liu

AAAI-10255: Converse, Focus and Guess - Towards Multi-Document Driven Dialogue
Han Liu, Caixia Yuan, Xiaojie Wang, Yushu Yang, Huixing Jiang, Zhongyuan Wang

AAAI-10062: Co-GAT: A Co-Interactive Graph Attention Network for Joint Dialog Act Recognition and Sentiment Classification
Libo Qin, Zhouyang Li, Wanxiang Che, Minheng Ni, Ting Liu

AAAI-9723: Deep Open Intent Classification with Adaptive Decision Boundary
Hanlei Zhang, Hua Xu, Ting-En Lin

AAAI-2262: UBAR: Towards Fully End-to-End Task-Oriented Dialog System with GPT-2
Yunyi Yang, Yunhao Li, Xiaojun Quan

Cluster: NLP: Semantics

AC-D3-R1: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-5110: Tracking interaction States for Multi-Turn Text-to-SQL Semantic Parsing
Runze Wang, Zhen-Hua Ling, Jingbo Zhou, Yu Hu

AAAI-1588: Dynamic Hybrid Relation Exploration Network for Cross-Domain Context-Dependent Semantic Parsing
Binyuan Hui, Ruiying Geng, Qiyu Ren, Binhua Li, Yongbin Li, Jian Sun, Fei Huang, Luo Si, Pengfei Zhu, Xiaodan Zhu

AAAI-10087: Iterative Utterance Segmentation for Neural Semantic Parsing
Yinuo Guo, Zeqi Lin, Jian-Guang Lou, Dongmei Zhang

AAAI-1479: Encoder-Decoder Based Unified Semantic Role Labeling with Label-Aware Syntax
Hao Fei, Fei Li, Bobo Li, Donghong Ji

AAAI-6199: Making the Relation Matters: Relation of Relation Learning Network for Sentence Semantic Matching
Kun Zhang, Le Wu, Guangyi Lv, Meng Wang, Enhong Chen, Shulan Ruan

AAAI-10277: LET: Linguistic Knowledge Enhanced Graph Transformer for Chinese Short Text Matching
Boer Lyu, Lu Chen, Su Zhu, Kai Yu

AAAI-6324: Leveraging Table Content for Zero-Shot Text-to-SQL with Meta-Learning
Yongrui Chen, Xinnan Guo, Chaojie Wang, Jian Qiu, Guilin Qi, Meng Wang, Huiying Li

Cluster: Language and Vision

AC-D3-R1: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-1029: Confidence-Aware Non-Repetitive Multimodal Transformers for TextCaps
Zhaokai Wang, Renda Bao, Qi Wu, Si Liu

AAAI-6207: Dual Adversarial Graph Neural Networks for Multi-Label Cross-Modal Retrieval
Shengsheng Qian, Dizhan Xue, Huaiwen Zhang, Quan Fang, Changsheng Xu

AAAI-1619: Dual-Level Collaborative Transformer for Image Captioning
Yunpeng Luo, Jiayi Ji, Xiaoshuai Sun, Liujuan Cao, Yongjian Wu, Feiyue Huang, Chia-Wen Lin, Rongrong Ji

AAAI-7315: DramaQA: Character-Centered Video Story Understanding with Hierarchical QA
Seongho Choi, Kyoung-Woon On, Yu-Jung Heo, Ahjeong Seo, Youwon Jang, Minsu Lee, Byoung-Tak Zhang

AAAI-1630: Memory-Augmented Image Captioning
Zhengcong Fei

AAAI-376: Hand-Model-Aware Sign Language Recognition
Hezhen Hu, Wengang Zhou, Houqiang Li

AAAI-9714: Augmented Partial Mutual Learning with Frame Masking for Video Captioning
Ke Lin, Zhuoxin Gan, Liwei Wang

AAAI-3268: Graph-to-Graph: Towards Accurate and Interpretable Online Handwritten Mathematical Expression Recognition
Jin-Wen Wu, Fei Yin, Yanming Zhang, Xu-Yao Zhang, Cheng-Lin Liu

AC-D3-R2: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

Cluster: ML: Clustering

AC-D3-R2: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-3446: Deep Mutual Information Maximin for Cross-Modal Clustering
Yiqiao Mao, Xiaoqiang Yan, Qiang Guo, Yangdong Ye

AAAI-2600: LRSC: Learning Representations for Subspace Clustering
Changsheng Li, Chen Yang, Bo Liu, Ye Yuan, Guoren Wang

AAAI-1352: Contrastive Clustering
Yunfan Li, Peng Hu, Zitao Liu, Dezhong Peng, Joey Tianyi Zhou, Xi Peng

AAAI-1361: GoT: a Growing Tree Model for Clustering Ensemble
Feijiang Li, Yuhua Qian, Jieting Wang

AAAI-4492: Fast Multi-View Discrete Clustering with Anchor Graphs
Qianyao Qiang, Bin Zhang, Fei Wang, Feiping Nie

AAAI-3913: Deep Fusion Clustering Network
Wenxuan Tu, Sihang Zhou, Xinwang Liu, Xifeng Guo, Zhiping Cai, En Zhu, Jieren Cheng

AAAI-1136: Scalable Affinity Propagation for Massive Datasets
Hiroaki Shiokawa

Cluster: ML: Bandits / RL / Imitation Learning

AC-D3-R2: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-9759: Reward-Biased Maximum Likelihood Estimation for Linear Stochastic Bandits
Yu Heng Hung, Ping-Chun Hsieh, Xi Liu, P. R. Kumar

AAAI-10328: Near-Optimal Regret Bounds for Contextual Combinatorial Semi-Bandits with Linear Payoff Functions
Kei Takemura, Shinji Ito, Daisuke Hatano, Hanna Sumita, Takuro Fukunaga, Naonori Kakimura, Ken-ichi Kawarabayashi

AAAI-2878: A One-Size-Fits-All Solution to Conservative Bandit Problems
Yihan Du, Siwei Wang, Longbo Huang

AAAI-4202: Meta-Learning Effective Exploration Strategies for Contextual Bandits
Amr Sharaf, Hal Daume

AAAI-1335: A Bayesian Approach for Subset Selection in Contextual Bandits
Jialian Li, Chao Du, Jun Zhu

AAAI-5220: Projection-Free Online Learning over Strongly Convex Sets
Yuanyu Wan, Lijun Zhang

AAAI-3726: Multinomial Logit Contextual Bandits: Provable Optimality and Practicality
Min-hwan Oh, Garud Iyengar

Cluster: ML: Learning Theory / Optimization

AC-D3-R2: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-2670: Scaling-Up Robust Gradient Descent Techniques
Matthew J Holland

AAAI-588: Stability and Generalization for Decentralized Stochastic Gradient Descent
Tao Sun, Dongsheng Li, Bao Wang

AAAI-2266: Learning a Gradient-Free Riemannian Optimizer on Tangent Spaces
Xiaomeng Fan, Zhi Gao, Yuwei WU, Yunde Jia, Mehrtash Harandi

AAAI-1123: Deep Frequency Principle Towards Understanding Why Deeper Learning Is Faster
Zhiqin John Xu, Hanxu Zhou

AAAI-4019: Large Batch Optimization for Deep Learning Using New Complete Layer-Wise Adaptive Rate Scaling
Zhouyuan Huo, Bin Gu, Heng Huang

AAAI-10143: ACMo: Angle-Calibrated Moment Methods for Stochastic Optimization
Xunpeng Huang, Runxin Xu, Hao Zhou, Zhe Wang, Zhengyang Liu, Lei Li

AAAI-6682: A Deeper Look at the Hessian Eigenspectrum of Deep Neural Networks and Its Applications to Regularization
Adepu Ravi, Yash Khasbage, Rahul Vigneswaran K, Vineeth N Balasubramanian

AAAI-4043: A Trace-Restricted Kronecker-Factored Approximation to Natural Gradient
Kaixin Gao, Xiaolei Liu, Zhenghai Huang, Min Wang, Zidong Wang, Dachuan Xu, Fan Yu

Cluster: ML: Generative Models / Graph-based ML

AC-D3-R2: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-5668: Learning Energy-Based Model with Variational Auto-Encoder as Amortized Sampler
Jianwen Xie, Zilong Zheng, Ping Li

AAAI-5963: Winning Lottery Tickets in Deep Generative Models
Neha Mukund Kalibhat, Yogesh Balaji, Soheil Feizi

AAAI-9686: IB-GAN: Disentangled Representation Learning with Information Bottleneck Generative Adversarial Networks
Insu Jeon, Wonkwang Lee, Myeongjang Pyeon, Gunhee Kim

AAAI-8648: Learning Graphons via Structured Gromov-Wasserstein Barycenters
Hongteng Xu, Dixin Luo, Hongyuan Zha, Lawrence Carin Duke

AAAI-4822: Cost-Aware Graph Generation: A Deep Bayesian Optimization Approach
Jiaxu Cui, Bo Yang, Bingyi Sun, Jiming Liu

AAAI-10037: Class-Attentive Diffusion Network for Semi-Supervised Classification
Jongin Lim, Daeho Um, Hyung Jin Chang, Dae Ung Jo, Jin Young Choi

AAAI-5078: Neural Relational Inference with Efficient Message Passing Mechanisms
Siyuan Chen, Jiahai Wang, Guoqing Li

Cluster: ML: Reinforcement Learning

AC-D3-R2: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-10033: Visual Transfer for Reinforcement Learning via Wasserstein Domain Confusion
Josh Roy, George Konidaris

AAAI-3679: Learning Task-Distribution Reward Shaping with Meta-Learning
Haosheng Zou, Tongzheng Ren, Dong Yan, Hang Su, Jun Zhu

AAAI-5971: Deep Recurrent Belief Propagation Network for POMDPs
Yuhui Wang, Xiaoyang Tan

AAAI-3412: Sequential Generative Exploration Model for Partially Observable Reinforcement Learning
Haiyan Yin, Jianda Chen, Sinno Pan, Sebastian Tschiatschek

AAAI-9290: Sample Complexity of Policy Gradient Finding Second-Order Stationary Points
Long Yang, Qian Zheng, Gang Pan

AAAI-8181: Learning with Safety Constraints: Sample Complexity of Reinforcement Learning for Constrained MDPs
Aria HasanzadeZonuzi, Archana Bura, Dileep Kalathil, Srinivas Shakkottai

AAAI-1409: Action Candidate Based Clipped Double Q-Learning for Discrete and Continuous Action Tasks
Haobo Jiang, Jin Xie, Jian Yang

AAAI-4919: Deep Radial-Basis Value Functions for Continuous Control
Kavosh Asadi, Neev Parikh, Ron Parr, George Konidaris, Michael L. Littman

Cluster: Vision: Computational Photography, Image & Video Synthesis

AC-D3-R2: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-6850: Slimmable Generative Adversarial Networks

Liang Hou, Zehuan Yuan, Lei Huang, Huawei Shen, Xueqi Cheng, Changhu Wang

AAAI-4848: Write-a-Speaker: Text-Based Emotional and Rhythmic Talking-Head Generation

Lincheng Li, Suzhen Wang, Zhimeng Zhang, Yu Ding, Yixing Zheng, Xin Yu, Changjie Fan

AAAI-3203: SSD-GAN: Measuring the Realness in the Spatial and Spectral Domains

Yuanqi Chen, Ge Li, Cece Jin, Shan Liu, Thomas H Li

AAAI-2345: Spherical Image Generation from a Single Image by Considering Scene Symmetry

Takayuki Hara, Yusuke Mukuta, Tatsuya Harada

AAAI-6790: Demodalizing Face Recognition with Synthetic Samples

Zhonghua Zhai, Pengju Yang, Xiaofeng Zhang, Maji Huang, Haijing Cheng, Xuejun Yan, Chunmao Wang, Shiliang Pu

AAAI-6627: Toward Realistic Virtual Try-On through Landmark Guided Shape Matching

Guoqiang Liu, Dan Song, Ruofeng Tong, Min Tang

AAAI-3343: Motion-Blurred Video Interpolation and Extrapolation

Dawit Mureja Argaw, Junsik Kim, Francois Rameau, In So Kweon

AAAI-844: FaceController: Controllable Attribute Editing for Face in the Wild

Zhiliang Xu, Xiyu Yu, Zhibin Hong, Zhen Zhu, Junyu Han, Jingtuo Liu, Errui Ding, Xiang Bai

Cluster: Vision: Scene Analysis & Understanding

AC-D3-R2: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-592: Fast and Compact Bilinear Pooling by Shifted Random Maclaurin

Tan Yu, Xiaoyun Li, Ping Li

AAAI-7182: Cross-Domain Grouping and Alignment for Domain Adaptive Semantic Segmentation

Minsu Kim, Sunghun Joung, Seungryong Kim, JungIn Park, Ig-Jae Kim, Kwanghoon Sohn

AAAI-3496: DIRV: Dense Interaction Region Voting for End-to-End Human-Object Interaction Detection

Hao-Shu Fang, Yichen Xie, Dian Shao, Cewu Lu

AAAI-3138: Amodal Segmentation Based on Visible Region Segmentation and Shape Prior

Yuting Xiao, Yanyu Xu, Ziming Zhong, Weixin Luo, Jiawei Li, Shenghua Gao

AAAI-7178: Consistent-Separable Feature Representation for Semantic Segmentation

Xingjian He, Jing Liu, Jun Fu, Xinxin Zhu, Jinqiao Wang, Hanqing Lu

AAAI-2633: Learning Visual Context for Group Activity Recognition

Hangjie Yuan, Dong Ni

AAAI-2329: Investigate Indistinguishable Points in Semantic Segmentation of 3D Point Cloud

Mingye Xu, Zhipeng Zhou, Junhao Zhang, Yu Qiao

AAAI-636: Group-Wise Semantic Mining for Weakly Supervised Semantic Segmentation

Xueyi Li, Tianfei Zhou, Jianwu Li, Yi Zhou, Zhaoxiang Zhang

Cluster: Vision: Object Detection & Categorization

AC-D3-R2: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-4473: TRQ: Ternary Neural Networks with Residual Quantization

Yue Li, Wenrui Ding, Chunlei Liu, Baochang Zhang, Guodong Guo

AAAI-514: Delving into Variance Transmission and Normalization: Shift of Average Gradient Makes the Network Collapse

Yuxiang Liu, Jidong Ge, Chuanyi Li, Jie Gui

AAAI-582: Efficient License Plate Recognition via Holistic Position Attention

Yesheng Zhang, Zilei Wang, Jiafan Zhuang

AAAI-205: Learning to Count via Unbalanced Optimal Transport

Zhiheng Ma, Xing Wei, Xiaopeng Hong, Hui Lin, Yunfeng Qiu, Yihong Gong

AAAI-4296: Rethinking Object Detection in Retail Stores
Cai YuanQiang, Longyin Wen, Libo Zhang, Dawei Du, Weiqiang Wang

AAAI-727: Very Important Person Localization in Unconstrained Conditions: A New Benchmark
Xiao Wang, Zheng Wang, Toshihiko Yamasaki, Wenjun Zeng

AAAI-216: Error-Aware Density Isomorphism Reconstruction for Unsupervised Cross-Domain Crowd Counting
Yuhang He, Zhiheng Ma, Xing Wei, Xiaopeng Hong, Wei Ke, Yihong Gong

AAAI-4197: Deep Semantic Dictionary Learning for Multi-Label Image Classification
Fengtao Zhou, Sheng Huang, Yun Xing

Cluster: Vision: Segmentation

AC-D3-R2: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-197: Spatiotemporal Graph Neural Network Based Mask Reconstruction for Video Object Segmentation
Daizong Liu, Shuangjie Xu, Xiao-Yang Liu, Zichuan Xu, Wei Wei, Pan Zhou

AAAI-5023: Joint Semantic-Geometric Learning for Polygonal Building Segmentation
Weijia Li, Wenqian Zhao, Huaping Zhong, Conghui He, Dahua Lin

AAAI-10288: Visual Boundary Knowledge Translation for Foreground Segmentation
Zunlei Feng, Lechao Cheng, Xinchao Wang, Xiang Wang, Ya Jie Liu, Xiangtong Du, Mingli Song

AAAI-2581: Ada-Segment: Automated Multi-Loss Adaptation for Panoptic Segmentation
Gengwei Zhang, Yiming Gao, Hang Xu, Hao Zhang, Zhenguo Li, Xiaodan Liang

AAAI-4531: REFINE: Prediction Fusion Network for Panoptic Segmentation
Jiawei Ren, Cunjun Yu, Zhongang Cai, Mingyuan Zhang, Chongsong Chen, Haiyu Zhao, Shuai Yi, Hongsheng Li

AAAI-4841: Locate Globally, Segment Locally: A Progressive Architecture with Knowledge Review Network for Salient Object Detection
Binwei Xu, Haoran Liang, Ronghua Liang, Peng Chen

AAAI-2807: How to Save your Annotation Cost for Panoptic Segmentation?
Xuefeng Du, ChenHan Jiang, Hang Xu, Gengwei Zhang, Zhenguo Li

AAAI-1322: Pyramidal Feature Shrinking for Salient Object Detection
Mingcan Ma, Changqun Xia, Jia Li

Cluster: Vision: Learning & Optimization

AC-D3-R2: February 6, 4:45 PM – 6:30 PM PST and February 7, 12:45 AM – 2:30 AM PST

AAAI-4536: Simple and Effective Stochastic Neural Networks
Tianyuan Yu, Yongxin Yang, Da Li, Timothy Hospedales, Tao Xiang

AAAI-7144: Distribution Adaptive INT8 Quantization for Training CNNs
Kang Zhao, Sida Huang, Pan Pan, Yinghan Li, Yingya Zhang, Zhenyu Gu, Yinghui Xu

AAAI-2593: SA-BNN: State-Aware Binary Neural Network
Chunlei Liu, Peng Chen, Bohan Zhuang, Chunhua Shen, Baochang Zhang, Wenrui Ding

AAAI-8677: Stratified Rule-Aware Network for Abstract Visual Reasoning
Sheng Hu, Yuqing Ma, Xianglong Liu, Yanlu Wei, Shihao Bai

AAAI-8575: Visual Concept Reasoning Networks
Taesup Kim, Sungwoong Kim, Yoshua Bengio

AAAI-6611: THOR, Trace-Based Hardware-Driven Layer-Oriented Natural Gradient Descent Computation
Mengyun Chen, Kaixin Gao, Xiaolei Liu, Zidong Wang, Ningxi Ni, Qian Zhang, Lei Chen, Chao Ding, Zhenghai Huang, Min Wang, Shuangling Wang, Fan Yu, Xinyuan Zhao, Dachuan Xu

AAAI-5116: Collaborative Group Learning
Shaoxiong Feng, Hongshen Chen, Xuancheng Ren, Zhuoye Ding, Kan Li, Xu Sun

AAAI-6716: MetaAugment: Sample-Aware Data Augmentation Policy Learning
Fengwei Zhou, Jiawei Li, Chuanlong Xie, Fei Chen, Lanqing Hong, Rui Sun, Zhenguo Li

AB-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

Cluster: KR&R: Action, Change, and Causality

AB-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-8309: SMT-Based Safety Checking of Parameterized Multi-Agent Systems
Paolo Felli, Alessandro Gianola, Marco Montali

AAAI-3468: The Counterfactual NESS Definition of Causation
Sander Beckers

AAAI-5915: Testing Independence between Linear Combinations for Causal Discovery
Hao Zhang, Kun Zhang, Shuigeng Zhou, Jihong Guan, Ji Zhang

AAAI-3460: Equivalent Causal Models
Sander Beckers

AAAI-9427: On-Line Learning of Planning Domains from Sensor Data in PAL: Scaling up to Large State Spaces
Leonardo Lamanna, Alfonso Gerevini, Alessandro Saetti, Luciano Serafini, Paolo Traverso

AAAI-2649: Parameterized Logical Theories
Fangzhen Lin

Cluster: Knowledge Representation and Reasoning

AB-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-4972: REM-Net: Recursive Erasure Memory Network for Commonsense Evidence Refinement
Yinya Huang, Meng Fang, Xunlin Zhan, Qingxing Cao, Xiaodan Liang

AAAI-5178: Parameterized Complexity of Small Decision Tree Learning
Sebastian Ordyniak, Stefan Szeider

AAAI-3231: Stratified Negation in Datalog with Metric Temporal Operators
David J Tena Cucala, Przemysław A Wałęga, Bernardo Cuenca Grau, Egor Kostylev

AAAI-2742: Quantification of Resource Production Incompleteness
Yakoub Salhi

AAAI-5084: A Simple Framework for Cognitive Planning
Jorge Fernandez, Dominique Longin, Emiliano Lorini, Frédéric Maris

Cluster: Social Choice / Voting

AB-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-6343: The Maximin Support Method: An Extension of the D'Hondt Method to Approval-Based Multiwinner Elections
Luis Sanchez-Fernandez, Norberto Fernández García, Jesús Fisteus, Markus Brill

AAAI-5623: An Analysis of Approval-Based Committee Rules for 2D-Euclidean Elections
Michał T Godziszewski, Paweł Batko, Piotr Skowron, Piotr Faliszewski

AAAI-3331: United for Change: Deliberative Coalition Formation to Change the Status Quo
Edith Elkind, Grossi Davide, Ehud Shapiro, Nimrod Talmon

AAAI-1839: Targeted Negative Campaigning: Complexity and Approximations
Avishai Zagoury, Orgad Keller, Noam Hazon, Avinatan Hassidim

AAAI-5693: Market-Based Explanations of Collective Decisions
Dominik Peters, Grzegorz Pierczyński, Nisarg Shah, Piotr Skowron

AAAI-2450: Modeling Voters in Multi-Winner Approval Voting
Jaelle Scheuerman, Jason Harman, Nicholas Mattei, Brent Venable

Cluster: Game Theory and Economic Paradigms

AB-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-7335: Selfish Creation of Social Networks
Davide Bilò, Tobias Friedrich, Pascal Lenzner, Stefanie Lowski, Anna Melnichenko

AAAI-8253: Bayesian Persuasion under Ex Ante and Ex Post Constraints

Yakov Babichenko, Inbal Talgam-Cohen, Konstantin Zabarnyi

AAAI-1078: Welfare Guarantees in Schelling Segregation
Martin Bullinger, Warut Suksompong, Alexandros Voudouris

AAAI-2839: Coupon Design in Advertising Systems
Weiran Shen, Pingzhong Tang, Xun Wang, Yadong Xu, Xiwang Yang

AAAI-2059: Coalition Formation in Multi-Defender Security Games
Dolev Mutzari, Jiarui Gan, Sarit Kraus

AAAI-7359: PoA of Simple Auctions with Interdependent Values
Alon Eden, Michal Feldman, Inbal Talgam-Cohen, Ori Zviran

AAAI-6610: Learning Game-Theoretic Models of Multiagent Trajectories Using Implicit Layers
Philipp Geiger, Christoph-Nikolas Straehle

AAAI-2948: Present-Biased Optimization
Fedor Fomin, Pierre Fraigniaud, Petr Golovach

Cluster: Social Choice / Voting

AB-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-4662: Persuading Voters in District-Based Elections
Matteo Castiglioni, Nicola Gatti

AAAI-7700: Power in Liquid Democracy
Yuzhe Zhang, Grossi Davide

AAAI-3843: Preference Elicitation as Average-Case Sorting
Dominik Peters, Ariel D Procaccia

AAAI-5542: Condorcet Relaxation in Spatial Voting
Omrit Filtser, Arnold Filtser

AAAI-2846: Margin of Victory in Tournaments: Structural and Experimental Results
Markus Brill, Ulrike Schmidt-Kraepelin, Warut Suksompong

AAAI-3720: Preserving Condorcet Winners under Strategic Manipulation
Sirin Botan, Ulle Endriss

AAAI-6879: Restricted Domains of Dichotomous Preferences with Possibly Incomplete Information
Zoi Terzopoulou, Alexander Karpov, Svetlana Obraztsova

AAAI-6781: A Few Queries Go a Long Way: Information-Distortion Tradeoffs in Matching
Georgios Amanatidis, Georgios Birmpas, Aris Filos-Ratsikas, Alexandros Voudouris

Cluster: Cognitive Systems / Crowdsourcing

AB-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-7520: PHASE: Physically-Grounded Abstract Social Events for Machine Social Perception
Aviv Netanyahu, Tianmin Shu, Boris Katz, Andrei Barbu, Joshua Tenenbaum

AAAI-2790: From Behavioral Theories to Econometrics: Inferring Preferences of Human Agents from Data on Repeated Interactions
Gali Noti

AAAI-2183: Teaching Active Human Learners
Zizhe Wang, Hailong Sun

Cluster: Data Mining & Knowledge Management

AB-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-6867: Disposable Linear Bandits for Online Recommendations
Melda Korkut, Andrew Li

AAAI-8692: AttnMove: History Enhanced Trajectory Recovery via Attentional Network
Tong Xia, Jie Feng, Yunhan Qi, Fengli Xu, Yong Li, Diansheng Guo, Funing Sun

AAAI-9475: Randomized Generation of Adversary-Aware Fake Knowledge Graphs to Combat Intellectual Property Theft

Snow Kang, Cristian Molinaro, Andrea Pugliese, V. S. Subrahmanian

AAAI-10116: Dynamic Knowledge Graph Alignment
Yuchen Yan, Lihui Liu, Yikun Ban, Baoyu Jing, Hanghang Tong

AAAI-9890: Revisiting Consistent Hashing with Bounded Loads
John Chen, Benjamin Coleman, Anshumali Shrivastava

AAAI-5505: Complete Closed Time Intervals-Related Patterns Mining
Omer David Harel, Robert Moskovitch

AAAI-9385: A General Offline Reinforcement Learning Framework for Interactive Recommendation
Teng Xiao, Donglin Wang

AAAI-1939: Anomaly Attribution with Likelihood Compensation
Tsuyoshi Ide, Amit Dhurandhar, Jiri Navratil, Moninder Singh, Naoki Abe

Cluster: ML: Applications

AB-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-2797: Dynamic Multi-Context Attention Networks for Citation Forecasting of Scientific Publications
Taoran Ji, Nathan Self, Kaiqun Fu, Zhqian Chen, Naren Ramakrishnan, Chang-Tien Lu

AAAI-4676: A Multi-Step-Ahead Markov Conditional Forward Model with Cube Perturbations for Extreme Weather Forecasting
Chia-Yuan Chang, Cheng-Wei Lu, Chuan-Ju Wang

AAAI-5611: Scalable Graph Networks for Particle Simulations
Karolis Martinkus, Aurelien Lucchi, Nathanaël Perraudin

AAAI-5266: Augmented Experiment in Material Engineering Using Machine Learning
Aomar Osmani, Massinissa Hamidi, Salah Bouhouche

AAAI-920: Enhanced Audio Tagging via Multi- to Single-Modal Teacher-Student Mutual Learning
Yifang Yin, Harsh Shrivastava, Ying Zhang, Zhenguang Liu, Rajiv Ratn Shah, Roger Zimmermann

AAAI-9032: Adversarial Permutation Guided Node Representations for Link Prediction
Indradyumna Roy, Abir De, Soumen Chakrabarti

AB-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

Cluster: NLP: Text Classification & Sentiment Mining

AB-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-4324: Does Head Label Help for Long-Tailed Multi-Label Text Classification
Lin Xiao, Xiangliang Zhang, Chi Huang, Mingyang Song, Liping Jing

AAAI-3697: Hierarchical Coherence Modeling for Document Quality Assessment
Dongliang Liao, Jin Xu, Gongfu Li, Yiru Wang

AAAI-9880: Weakly-Supervised Hierarchical Models for Predicting Persuasive Strategies in Good-Faith Textual Requests
Jiaao Chen, Diyi Yang

AAAI-10215: It Takes Two to Empathize: One to Seek and One to Provide
Mahshid Hosseini, Cornelia Caragea

AAAI-9972: Knowledge-Aware Leap-LSTM: Integrating Prior Knowledge into Leap-LSTM towards Faster Long Text Classification
Jinhua Du, Yan Huang, Karo Moilanen

AAAI-7838: Judgment Prediction via Injecting Legal Knowledge into Neural Networks
Leilei Gan, Kun Kuang, Yi Yang, Fei Wu

AAAI-9910: Humor Knowledge Enriched Transformer for Understanding Multimodal Humor
Md Kamrul Hasan, Sangwu Lee, Wasifur Rahman, Amir Zadeh, Rada Mihalcea, Louis-Philippe Morency, Ehsan Hoque

Cluster: NLP: Deep Learning

AB-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-5935: Residual Shuffle-Exchange Networks for Fast Processing of Long Sequences
Andis Draguns, Emils Ozoliņš, Agris Šostaks, Matiss Apinis, Karlis Freivalds

AAAI-5369: ROSITA: Refined BERT Compression with Integrated Techniques
Yuanxin Liu, Zheng Lin, Fengcheng Yuan

AAAI-10297: Reinforced Multi-Teacher Selection for Knowledge Distillation
Fei Yuan, Linjun Shou, Jian Pei, Wutao Lin, Ming Gong, Yan Fu, Daxin Jiang

AAAI-1912: On Scalar Embedding of Relative Positions in Attention Models
Junshuang Wu, Richong Zhang, Yongyi Mao, Junfan Chen

AAAI-3262: Continuous Self-Attention Models with Neural ODE Networks
Jing Zhang, Peng Zhang, Baiwen Kong, Junqiu Wei, Xin Jiang

Cluster: Neuro-Symbolic AI

AB-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-4715: A Scalable Reasoning and Learning Approach for Neural-Symbolic Stream Fusion
Danh Le Phuoc, Thomas Eiter, Tuan Anh Le

AAAI-10322: Hierarchical Relational Inference
Aleksandar Stanic, Sjoerd van Steenkiste, Jürgen Schmidhuber

AAAI-7686: Classification by Attention: Scene Graph Classification with Prior Knowledge
Sahand Sharifzadeh, Sina Moayed Baharlou, Volker Tresp

AAAI-7014: Differentiable Inductive Logic Programming for Structured Examples
Hikaru Shindo, Masaaki Nishino, Akihiro Yamamoto

AAAI-10094: Neural-Symbolic Integration: A Compositional Perspective
Efthymia Tsamoura, Timothy Hospedales, Loizos Michael

AAAI-9459: Planning from Pixels in Atari with Learned Symbolic Representations
Andrea Dittadi, Frederik K Drachmann, Thomas Bolander

Cluster: ML: Optimization

AB-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-7200: Adaptive Gradient Methods for Constrained Convex Optimization and Variational Inequalities
Alina Ene, Huy Nguyen, Adrian Vladu

AAAI-3270: Peer Collaborative Learning for Online Knowledge Distillation
Guile Wu, Shaogang Gong

AAAI-9248: Asynchronous Optimization Methods for Efficient Training of Deep Neural Networks with Guarantees
Vyacheslav Kungurtsev, Malcolm Egan, Bapi Chatterjee, Dan Alistarh

AAAI-738: Sample-Efficient L0-L2 Constrained Structure Learning of Sparse Ising Models
Antoine Dedieu, Miguel Lázaro-Gredilla, Dileep George

AAAI-8589: Understanding Decoupled and Early Weight Decay
Johan Björck, Kilian Weinberger, Carla P Gomes

AAAI-6366: Improved Penalty Method via Doubly Stochastic Gradients for Bilevel Hyperparameter Optimization
Wanli Shi, Bin Gu

AAAI-9859: Active Feature Selection for the Mutual Information Criterion
Shachar Schnapp, Sivan Sabato

AAAI-374: Fine-Grained Generalization Analysis of Vector-Valued Learning
Liang Wu, Antoine Ledent, Yunwen Lei, Marius Kloft

Cluster: ML: Adversarial Learning, Attacks & Robustness

AB-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-3684: Amata: An Annealing Mechanism for Adversarial Training Acceleration
Nanyang Ye, Qianxiao Li, Xiao-Yun Zhou, Zhanxing Zhu

AAAI-10192: Towards Trustworthy Predictions from Deep Neural Networks with Fast Adversarial Calibration
Christian Tomani, Florian Buettner

AAAI-8990: Curse or Redemption? How Data Heterogeneity Affects the Robustness of Federated Learning
Syed Zawad, Ahsan Ali, Pin-Yu Chen, Ali Anwar, Yi Zhou, Nathalie Baracaldo, Yuan Tian, Feng Yan

AAAI-5543: Generating Natural Language Attacks in a Hard Label Black Box Setting
Rishabh Maheshwary, Saket Maheshwary, Vikram Pudi

AAAI-44: Why Adversarial Interaction Creates Non-Homogeneous Patterns: A Pseudo-Reaction-Diffusion Model for Turing Instability
Litu Rout

AAAI-6617: Learning Deep Generative Models for Queuing Systems
Cesar A Ojeda, Ramses Sanchez, Kostadin Cvejovski, Bodgan Georgiev, Christian Bauckhage, Jannis Schuecker

AAAI-1079: Deep Verifier Networks: Verification of Deep Discriminative Models with Deep Generative Models
Tong Che, Xiaofeng Liu, Site Li, Yubin Ge, Ruixiang Zhang, Caiming Xiong, Yoshua Bengio

Cluster: ML: Probabilistic Models

AB-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-7681: Efficient Bayesian Network Structure Learning via Parameterized Local Search on Topological Orderings
Niels Grüttemeier, Christian Komusiewicz, Nils Morawietz

AAAI-9986: Learning Adjustment Sets from Observational and Limited Experimental Data
Sofia Triantafyllou, Greg Cooper

AAAI-2162: Discovering Fully Oriented Causal Networks
Osman A Mian, Alexander Marx, Jilles Vreeken

AAAI-8004: Practical and Rigorous Uncertainty Bounds for Gaussian Process Regression
Christian Fiedler, Carsten Scherer, Trimpe Sebastian

Cluster: ML: Reinforcement Learning

AB-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-5320: WCSAC: Worst-Case Soft Actor Critic for Safety-Constrained Reinforcement Learning
Qisong Yang, Thiago D. Simão, Simon H Tindemans, Matthijs T. J. Spaan

AAAI-10098: Policy Optimization as Online Learning with Mediator Feedback
Alberto Maria Metelli, Matteo Papini, Pierluca D'Oro, Marcello Restelli

AAAI-3820: Self-Correcting Q-Learning
Rong Zhu, Mattia Rigotti

AAAI-10339: Expected Eligibility Traces
Hado van Hasselt, Sephora Madjheurem, Matteo Hessel, Andre Barreto, David Silver, Diana Borsa

AAAI-5737: An Enhanced Advising Model in Teacher-Student Framework Using State Categorization
Daksh Anand, Vaibhav Gupta, Praveen Paruchuri, Balaraman Ravindran

AAAI-5101: Reinforcement Learning with Trajectory Feedback
Yonathan Efroni, Nadav Merlis, Shie Mannor

AAAI-2715: Addressing Action Oscillations through Learning Policy Inertia
Chen Chen, Hongyao Tang, Jianye Hao, Wulong Liu, Zhaopeng Meng

AAAI-10160: Deep Innovation Protection: Confronting the Credit Assignment Problem in Training Heterogeneous Neural Architectures
Sebastian Risi, Kenneth O Stanley

Cluster: 3D Computer Vision

AB-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-1163: BoW Pooling: A Plug-and-Play Unit for Feature Aggregation of Point Clouds
Xiang Zhang, Xiao Sun, Zhouhui Lian

AAAI-9108: Exploiting Learnable Joint Groups for Hand Pose Estimation
Moran Li, Yuan Gao, Nong Sang

AAAI-5186: Attention-Based Multi-Level Fusion Network for Light Field Depth Estimation
Jiaxin Chen, Shuo Zhang, Youfang Lin

AAAI-7911: DSLR : Dynamic to Static Lidar Scan Reconstruction Using Adversarially Trained Auto Encoder
Prashant Kumar, Sabyasachi Sahoo, Vanshil Shah, Vineetha Kondameedi, Abhinav Jain, Akshaj Verma, Chiranjib Bhattacharyya, Vinay Vishwanath

AAAI-1951: Cascade Network with Guided Loss and Hybrid Attention for Finding Good Correspondences
Zhi Chen, Fan Yang, Wenbing Tao

AAAI-4302: EMLight: Lighting Estimation via Spherical Distribution Approximation
Fangneng Zhan, Changgong Zhang, Yingchen Yu, Yuan Chang, Shijian Lu, Feiyong Ma, Xuansong Xie

AAAI-2164: PC-HMR: Pose Calibration for 3D Human Mesh Recovery from 2D Images/Videos
Tianyu Luan, Yali Wang, Junhao Zhang, Zhe Wang, Zhipeng Zhou, Yu Qiao

AAAI-8202: Semi-Supervised Learning for Multi-Task Scene Understanding by Neural Graph Consensus
Marius Leordeanu, Mihai Cristian Pirvu, Dragos Costea, Alina E Marcu, Emil Slusanschi, Rahul Sukthankar

Cluster: Vision: Biometrics, Face, Gesture & Pose

AB-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-831: Generalizable Representation Learning for Mixture Domain Face Anti-Spoofing
Zhihong Chen, Taiping Yao, Kekai Sheng, Shouhong Ding, Ying Tai, Jilin Li, Feiyue Huang, Xinyu Jin

AAAI-567: Graph and Temporal Convolutional Network for Spatio-Temporal 3D Multi-Person Pose Estimation in Monocular Videos
Yu Cheng, Bo Wang, Bo Yang, Robby T. Tan

AAAI-6128: Deductive Learning for Weakly-Supervised 3D Human Pose Estimation via Uncalibrated Cameras
Xipeng Chen, Pengxu Wei, Liang Lin

AAAI-2079: SIMPLE: Single-Network with Mimicking and Point Learning for Bottom-Up Human Pose Estimation
Jiabin Zhang, Zheng Zhu, Jiwen Lu, Junjie Huang, Guan Huang, Jie Zhou

AAAI-2832: Regional Attention with Architecture-Rebuilt 3D Network for RGB-D Gesture Recognition
Benjia Zhou, Yunan Li, Jun Wan

AAAI-4553: DeepwriteSYN: On-Line Handwriting Synthesis via Deep Short-Term Representations
Ruben Tolosana, Paula Delgado-Santos, Andres Perez-Urbe, Ruben Vera-Rodriguez, Julian Fierrez, Aythami Morales

AAAI-2107: Robust Lightweight Facial Expression Recognition Network with Label Distribution Training
Zengqun Zhao, Qingshan Liu, Feng Zhou

AAAI-799: RSGNet: Relation Based Skeleton Graph Network for Crowded Scenes Pose Estimation
Yan Dai, Xuanhan Wang, Jingkuan Song, Lianli Gao, Heng Tao Shen

BC-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

Cluster: Mechanism Design

BC-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-5738: Automated Mechanism Design for Classification with Partial Verification
Hanrui Zhang, Yu Cheng, Vincent Conitzer

AAAI-2378: Incentivizing Truthfulness through Audits in Strategic Classification
Andrew Estornell, Sanmay Das, Yevgeniy Vorobeychik

AAAI-6887: Efficient Truthful Scheduling and Resource Allocation through Monitoring
Dimitris Fotakis, Piotr Krysta, Carmine Ventre

AAAI-8353: Classification with Strategically withheld Data
Anilesh K Krishnaswamy, Haoming Li, David Rein, Hanrui Zhang, Vincent Conitzer

AAAI-8029: Reinforcement Learning of Sequential Price Mechanisms
Gianluca Brero, Alon Eden, Matthias Gerstgrasser, David Parkes, Duncan Rheingans-Yoo

AAAI-3766: Convergence Analysis of No-Regret Bidding Algorithms in Repeated Auctions

Zhe Feng, Guru Guruganesh, Christopher Liaw, Aranyak Mehta, Abhishek Sethi

AAAI-8437: A Permutation-Equivariant Neural Network Architecture for Auction Design
Jad Rahme, Samy Jelassi, Joan Bruna, S. Matthew Weinberg

Cluster: Game Theory and Economic Paradigms

BC-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-5472: Multi-Scale Games: Representing and Solving Games on Networks with Group Structure
Kun Jin, Yevgeniy Vorobeychik, Mingyan Liu

AAAI-3734: Safe Search for Stackelberg Equilibria in Extensive-Form Games
Chun Kai Ling, Noam Brown

AAAI-8882: Hindsight and Sequential Rationality of Correlated Play
Dustin Morrill, Ryan D'Orazio, Reza Sarfati, Marc Lanctot, James R Wright, Amy R Greenwald, Michael Bowling

AAAI-9997: Computing Ex Ante Coordinated Team-Maxmin Equilibria in Zero-Sum Multiplayer Extensive-Form Games
Youzhi Zhang, Bo An, Jakub Cerny

AAAI-4719: Complexity and Algorithms for Exploiting Quantal Opponents in Large Two-Player Games
David Milec, Jakub Cerny, Viliam Lisy, Bo An

AAAI-9071: Computational Analyses of the Electoral College: Campaigning Is Hard but Approximately Manageable
Sina Dehghani, Hamed Saleh, Saeed Seddighin, Shanghua Teng

AAAI-10284: Model-Free Online Learning in Unknown Sequential Decision Making Problems and Games
Gabriele Farina

AAAI-7879: On Fair and Efficient Allocations of Indivisible Goods
Aniket Murhekar, Jugal Garg

Cluster: Cognitive Modeling & Cognitive Systems

BC-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-6323: Visual Relation Detection Using Hybrid Analogical Learning
Kezhen Chen, Ken Forbus

AAAI-9500: Probabilistic Programming Bots in Intuitive Physics Game Play
Fahad Alhasoun, Sarah Alnegheimish

AAAI-8577: Apparently Irrational Choice as Optimal Sequential Decision Making
Haiyang Chen, Hyung Jin Chang, Andrew Howes

AAAI-6347: Neural Analogical Matching
Maxwell Crouse, Constantine Nakos, Ibrahim Abdelaziz, Ken Forbus

AAAI-8159: Interpretable Self-Supervised Facial Micro-Expression Learning to Predict Cognitive State and Neurological Disorders
Arun Das, Jeffrey R Mock, Yufei Huang, Edward J Golob, Peyman Najafirad

AAAI-1264: Model-Agnostic Fits for Understanding Information Seeking Patterns in Humans
Soumya Chatterjee, Pradeep Shenoy

AAAI-8610: Continual General Chunking Problem and SyncMap
Danilo Vasconcellos Vargas, Toshitake Asabuki

Cluster: Recommender Systems & Collaborative Filtering

BC-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-3182: Cold-Start Sequential Recommendation via Meta Learner
Yujia Zheng, Siyi Liu, Zekun Li, Shu Wu

AAAI-5410: Tripartite Collaborative Filtering with Observability and Selection for Debiasing Rating Estimation on Missing-Not-at-Random Data
Qi Zhang, Longbing Cao, Chongyang Shi, Liang Hu

AAAI-615: Graph Heterogeneous Multi-Relational Recommendation
Chong Chen, Weizhi Ma, Min Zhang, Zhaowei Wang, Xiuqiang He, Chenyang Wang, Yiqun Liu, Shaoping Ma

AAAI-5970: Learning to Recommend from Sparse Data via Generative User Feedback

Wenlin Wang

AAAI-7018: Reinforcement Learning with a Disentangled Universal Value Function for Item Recommendation
Kai Wang, Zhene Zou, Qilin Deng, Jianrong Tao, Runze Wu, Changjie Fan, Liang Chen, Peng Cui

AAAI-2287: Efficient Optimal Selection for Compositing Advertising Creatives with Tree Structure
Jin Chen, Tiezheng Ge, Gangwei Jiang, Zhiqiang Zhang, Defu Lian, Kai Zheng

AAAI-7500: Dynamic Memory Based Attention Network for Sequential Recommendation
Qiaoyu Tan, Jianwei Zhang, Ninghao Liu, Xiao Huang, Hongxia Yang, Jingren Zhou, Xia Hu

AAAI-3435: A Hybrid Bandit Framework for Diversified Recommendation
Qinxu Ding, Yong Liu, Chunyan Miao, Fei Cheng, Haihong Tang

Cluster: Data Mining & Knowledge Management

BC-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-3883: Online Learning in Variable Feature Spaces under Incomplete Supervision
Yi He, Xu Yuan, Sheng Chen, Xindong Wu

AAAI-1883: GAN Ensemble for Anomaly Detection
Xiaohui Chen, Xu Han, Liping Liu

AAAI-8267: Outlier Impact Characterization for Time Series Data
Jianbo Li, Lecheng Zheng, Yada Zhu, Jingrui He

AAAI-10103: Estimating the Number of Induced Subgraphs from Incomplete Data and Neighborhood Queries
Dimitris Fotakis, Thanasis Pittas, Stratis Skoulakis

AAAI-10091: Beyond Low-Frequency Information in Graph Convolutional Networks
Deyu Bo, Xiao Wang, Chuan Shi, Huawei Shen

AAAI-3135: AugSplicing: Synchronized Behavior Detection in Streaming Tensors
Jiabao Zhang, Shenghua Liu, Wenting Hou, Siddharth Bhatia, Huawei Shen, Wenjian Yu, Xueqi Cheng

AAAI-5096: Deep Graph Spectral Evolution Networks for Graph Topological Evolution
Negar Etemadyrad, Qingzhe Li, Liang Zhao

AAAI-4967: Overcoming Catastrophic Forgetting in Graph Neural Networks with Experience Replay
Fan Zhou, Chengtai Cao

Cluster: Applications

BC-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-4950: Deep Just-in-Time Inconsistency Detection between Comments and Source Code
Sheena L Panthaplackel, Junyi Jessie Li, Milos Gligoric, Raymond Mooney

AAAI-1026: Pragmatic Code Autocomplete
Gabriel Poesia Reis e Silva, Noah Goodman

AAAI-4570: Bigram and Unigram Based Text Attack via Adaptive Monotonic Heuristic Search
Xinghao Yang, Weifeng Liu, James Bailey, Dacheng Tao, Wei Liu

AAAI-6027: Research Reproducibility as a Survival Analysis
Edward Raff

AAAI-4450: AI-Assisted Scientific Data Collection with Iterative Human Feedback
Travis Mandel, James Boyd, Sebastian J Carter, Randall H Tanaka, Taishi Nammoto

AAAI-2461: The Undergraduate Games Corpus: A Dataset for Machine Perception of Interactive Media
Barrett R Anderson, Adam M Smith

AAAI-10027: GTA: Graph Truncated Attention for Retrosynthesis
Seung-Woo Seo, You Young Song, June Yong Yang, Seohui Bae, Hankook Lee, Jinwoo Shin, Sung Ju Hwang, Eunho Yang

AAAI-4917: KAN: Knowledge-Aware Attention Network for Fake News Detection
Yaqian Dun, Kefei Tu, Chen Chen, Chunyan Hou, Xiaojie Yuan

Cluster: Healthcare Applications

BC-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-2411: XraySyn: Realistic View Synthesis from a Single Radiograph through CT Prior
Cheng Peng, Haofu Liao, Gina Wong, Jiebo Luo, S. Kevin Zhou, Rama Chellappa

AAAI-3751: MIMOSA: Multi-Constraint Molecule Sampling for Molecule Optimization
Tianfan Fu, Cao Xiao, Xinhao Li, Lucas Glass, Jimeng Sun

AAAI-7535: Window Loss for Abnormal Finding Classification and Localization in X-Ray Image with Point-Base Annotation
Xinyu Zhang, Yirui Wang, Chi Tung Cheng, Le Lu, Adam P Harrison, Jing Xiao, ChienHung Liao, Shun Miao

AAAI-73: Dual-Octave Convolution for Accelerated Parallel MR Image Reconstruction
Chunmei Feng, Zhanyuan Yang, Geng Chen, Yong Xu, Ling Shao

AAAI-8804: Minimizing Labeling Cost for Nuclei Instance Segmentation and Classification with Cross-Domain Images and Weak Labels
Siqi Yang, Jun Zhang, Junzhou Huang, Brian C Lovell, Xiao Han

AAAI-1645: Oral-3D: Reconstructing the 3D Structure of Oral Cavity from Panoramic X-ray
Weinan Song, Yuan Liang, Jiawei Yang, Kun Wang, Lei He

AAAI-10302: Deep Contextual Clinical Prediction with Reverse Distillation
Rohan S Kodialam, Rebecca Boiarsky, Justin K Lim, Aditya Sai, Neil Dixit, David Sontag

AAAI-109: PANTHER: Pathway Augmented Nonnegative Tensor Factorization for High-Order Feature Learning
Yuan Luo, Chengsheng Mao

Cluster: NLP: Text Classification & Sentiment Analysis

BC-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-5126: Ideography Leads Us to the Field of Cognition: A Radical-Guided Associative Model for Chinese Text Classification
Hanqing Tao, Shiwei Tong, Kun Zhang, Tong Xu, Qi Liu, Enhong Chen, Min Hou

AAAI-7505: SALNet: Semi-Supervised Few-Shot Text Classification with Attention-Based Lexicon Construction
Ju-Hyoung Lee, Sang-Ki Ko, Yo-Sub Han

AAAI-5353: A Joint Training Dual-MRC Framework for Aspect Based Sentiment Analysis
Yue Mao, Yi Shen, Chao Yu, LongJun Cai

AAAI-7756: Robustness to Spurious Correlations in Text Classification via Automatically Generated Counterfactuals
Zhao Wang, Aron Culotta

AAAI-10076: A Neural Group-Wise Sentiment Analysis Model with Data Sparsity Awareness
Deyu Zhou, Meng Zhang, Linhai Zhang, Yulan He

AAAI-9567: Automated Cross-Prompt Scoring of Essay Traits
Robert Ridley, Liang He, Xin-yu Dai, Shujian Huang, Jiajun Chen

AAAI-10194: MELINDA: A Multimodal Dataset for Biomedical Experiment Method Classification
Te-Lin Wu, Shikhar Singh, Sayan Paul, Gully A Burns, Nanyun Peng

AAAI-1432: Simple or Complex? Learning to Predict Readability of Bengali Texts
Susmoy Chakraborty, Mir Tafseer Nayeem, Wasi U Ahmad

Cluster: NLP: Generation

BC-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-10224: Paragraph-Level Commonsense Transformers with Recurrent Memory
Saadia Gabriel, Chandra Bhagavatula, Vered Shwartz, Ronan Le Bras, Maxwell Forbes, Yejin Choi

AAAI-4046: Writing Polishment with Simile: Task, Dataset and a Neural Approach
Jiayi Zhang, Zhi Cui, Xiaoqiang Xia, Yalong Guo, Yanran Li, Chen Wei, Jianwei Cui

AAAI-7220: Story Ending Generation with Multi-Level Graph Convolutional Networks over Dependency Trees
Qingbao Huang, Linzhang Mo, Pijian Li, Yi Cai, Qingguang Liu, Jielong Wei, Qing Li, Ho-fung Leung

AAAI-4515: Aspect-Level Sentiment-Controllable Review Generation with Mutual Learning Framework
Huimin Chen, Yankai Lin, Fanchao Qi, Jinyi Hu, Peng Li, Jie Zhou, Maosong Sun

AAAI-8233: Perception Score: A Learned Metric for Open-Ended Text Generation Evaluation
Jing Gu, Qingyang Wu, Zhou Yu

AAAI-6672: Entity Guided Question Generation with Contextual Structure and Sequence Information Capturing
Qingbao Huang, Mingyi Fu, Linzhang Mo, Yi Cai, Jingyun Xu, Pijian Li, Qing Li, Ho-fung Leung

AAAI-8780: Adaptive Beam Search Decoding for Discrete Keyphrase Generation
Xiaoli Huang, Tongge Xu, Lvan Jiao, Yueran Zu, Youmin Zhang

AAAI-3433: Improving Tree-Structured Decoder Training for Code Generation via Mutual Learning
Binbin Xie, Jinsong Su, Yubin Ge, Xiang Li, Jianwei Cui, Junfeng Yao, Bin Wang

Cluster: Vision: Applications

BC-D4-R1: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-6067: Enhancing Audio-Visual Association with Self-Supervised Curriculum Learning
Jingran Zhang, Xing Xu, Fumin Shen, Huimin Lu, Xin Liu, Heng Tao Shen

AAAI-418: High-Resolution Deep Image Matting
Haichao Yu, Ning Xu, Zilong Huang, Yuqian Zhou, Humphrey Shi

AAAI-1412: Self-Supervised Sketch-to-Image Synthesis
Bingchen A Liu, Yizhe Zhu, Kunpeng Song, Ahmed Elgammal

AAAI-26: EfficientDeRain: Learning Pixel-Wise Dilation Filtering for High-Efficiency Single-Image Deraining
Qing Guo, Jingyang Sun, Felix Juefei-Xu, Lei Ma, Xiaofei Xie, Wei Feng, Yang Liu, Jianjun Zhao

AAAI-222: MangaGAN: Unpaired Photo-to-Manga Translation Based on the Methodology of Manga Drawing
Hao Su, Jianwei Niu, Xuefeng Liu, Qingfeng Li, Jiahe Cui, Ji Wan

BC-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

Cluster: ML: Online Learning & Bandits

BC-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-2977: Decentralized Multi-Agent Linear Bandits with Safety Constraints
Sanae Amani, Christos Thrampoulidis

AAAI-8642: Stochastic Bandits with Graph Feedback in Non-Stationary Environments
Shiyin Lu, Yao Hu, Lijun Zhang

AAAI-142: On Online Optimization: Dynamic Regret Analysis of Strongly Convex and Smooth Problems
Ting-Jui Chang, Shahin Shahrampour

AAAI-420: Regret Bounds for Batched Bandits
Hossein Esfandiari, Amin Karbasi, Abbas Mehrabian, Vahab Mirrokni

AAAI-3431: Adaptive Algorithms for Multi-Armed Bandit with Composite and Anonymous Feedback
Siwei Wang, Haoyun Wang, Longbo Huang

AAAI-8124: Robustness Guarantees for Mode Estimation with an Application to Bandits
Aldo Pacchiano, Heinrich Jiang, Michael Jordan

AAAI-9262: Online DR-Submodular Maximization: Minimizing Regret and Constraint Violation
Prasanna S Raut, Omid Sadeghi, Maryam Fazel

AAAI-9983: Data-Driven Competitive Algorithms for Online Knapsack and Set Cover
Ali Zeynali, Bo Sun, Mohammad Hajiesmaili, Adam Wierman

Cluster: ML: Transfer/Adaptation/Multi-task/Meta/Automated Learning

BC-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-3806: Hypothesis Disparity Regularized Mutual Information Maximization
Qicheng Lao, Xiang Jiang, Mohammad Havaei

AAAI-199: Multi-Task Learning by Leveraging the Semantic Information
Fan Zhou, Brahim Chaib-draa, Boyu Wang

AAAI-9988: Online Class-Incremental Continual Learning with Adversarial Shapley Value
Dongsub Shim, Zheda Mai, Jihwan Jeong, Scott Sanner, Hyunwoo Kim, Jongseong Jang

AAAI-10141: AutoDropOut: Learning DropOut Patterns to Regularize Deep Networks
Hieu Pham, Quoc Le

AAAI-4981: Personalized Adaptive Meta Learning for Cold-Start User Preference Prediction
Runsheng Yu, Yu Gong, Xu He, Yu Zhu, Qingwen Liu, Wenwu Ou, Bo An

AAAI-10188: Meta Label Correction for Noisy Label Learning
Guoqing Zheng, Ahmed Awadallah, Susan Dumais

AAAI-1528: Robust Knowledge Transfer via Hybrid Forward on the Teacher-Student Model
Liangchen Song, Jialian Wu, Ming Yang, Qian Zhang, Yuan Li, Junsong Yuan

AAAI-4: Multi-Domain Multi-Task Rehearsal for Lifelong Learning
Fan Lyu, Shuai Wang, Wei Feng, Zihan Ye, Fuyuan Hu, Song Wang

Cluster: ML: Multi-class / Multi-label / Multi-view Learning

BC-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-6941: Multi-Scale Graph Fusion for Co-Saliency Detection
Rongyao Hu, Zhenyun Deng, Xiaofeng Zhu

AAAI-3025: Less Than One'-Shot Learning: Learning N Classes from $M < N$ Samples
Iliia Sucholutsky, Matthias Schonlau

AAAI-4027: Multi-View information-Bottleneck Representation Learning
Zhibin Wan, Changqing Zhang, Pengfei Zhu, Qinghua Hu

AAAI-4893: Multi-View Representation Learning with Manifold Smoothness
Shu Li, Wei Wang, Wen-Tao Li, Pan Chen

AAAI-1872: Correlative Channel-Aware Fusion for Multi-View Time Series Classification
Yue Bai, Lichen Wang, Zhiqiang Tao, Sheng Li, Yun Fu

AAAI-8358: Adversarial Partial Multi-Label Learning with Label Disambiguation
Yan Yan, Yuhong Guo

AAAI-2638: Progressive One-Shot Human Parsing
Haoyu He, Jing Zhang, Bhavani Thuraisingham, Dacheng Tao

Cluster: ML: Graph-based Machine Learning

BC-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-7641: Computationally Tractable Riemannian Manifolds for Graph Embeddings
Calin C Cruceru, Gary Becigneul, Octavian Ganea

AAAI-3084: Graph Game Embedding
Xiaobin Hong, Tong Zhang, Zhen Cui, Yuge Huang, Pengcheng Shen, Shaoxin Li, Jian Yang

AAAI-8484: Graph Neural Networks with Heterophily
Jiong Zhu, Ryan A. Rossi, Anup Rao, Tung Mai, Nedim Lipka, Nesreen Ahmed, Danai Koutra

AAAI-2805: Semi-Supervised Node Classification on Graphs: Markov Random Fields vs. Graph Neural Networks
Binghui Wang, Jinyuan Jia, Neil Zhenqiang Gong

AAAI-3441: One-Shot Graph Neural Architecture Search with Dynamic Search Space
Yanxi Li, Zean Wen, Yunhe Wang, Chang Xu

AAAI-8662: Learning Graph Neural Networks with Approximate Gradient Descent
Qunwei Li, Shaofeng Zou, Wenliang Zhong

AAAI-2037: Overcoming Catastrophic Forgetting in Graph Neural Networks
Huihui Liu, Yiding Yang, Xinchao Wang

AAAI-2669: Isolation Graph Kernel
Bi-Cun Xu, Kai Ming Ting, Yuan Jiang

Cluster: ML: Unsupervised / Semi-Supervised / Active Learning

BC-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-2750: Partial-Label and Structure-Constrained Deep Coupled Factorization Network
Yan Zhang, Zhao Zhang, Yang Wang, Zheng Zhang, Li Zhang, Shuicheng Yan, Meng Wang

AAAI-2967: Semi-Supervised Sequence Classification through Change Point Detection
Nauman Ahad, Mark Davenport

AAAI-9979: Curriculum Labeling: Revisiting Pseudo-Labeling for Semi-Supervised Learning
Paola Cascante-Bonilla, Fuwen Tan, Yanjun Qi, Vicente Ordóñez

AAAI-1292: Semi-Supervised Knowledge Amalgamation for Sequence Classification
Jidapa Thadajarassiri, Thomas Hartvigsen, Xiangnan Kong, Elke Rundensteiner

AAAI-6357: GLISTER: Generalization Based Data Subset Selection for Efficient and Robust Learning
Krishnateja Killamsetty, Durga S, Ganesh Ramakrishnan, Rishabh Iyer

AAAI-6393: Active Bayesian Assessment of Black-Box Classifiers
Disi Ji, Robert L Logan, Padhraic Smyth, Mark Steyvers

AAAI-2950: Fractal Autoencoders for Feature Selection
Xinxing Wu, Qiang Cheng

AAAI-10185: Improved Mutual Information Estimation
Youssef Mroueh, Igor Melnyk, Pierre Dognin, Jarret Ross, Tom Sercu

Cluster: ML: Distributed Machine Learning & Federated Learning

BC-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-3649: On the Convergence of Communication-Efficient Local SGD for Federated Learning
Hongchang Gao, An Xu, Heng Huang

AAAI-1473: Federated Multi-Armed Bandits
Chengshuai Shi, Cong Shen

AAAI-9952: Elastic Consistency: A Practical Consistency Model for Distributed Stochastic Gradient Descent
Giorgi Nadiradze, Iliia Markov, Bapi Chatterjee, Vyacheslav Kungurtsev, Dan Alistarh

AAAI-9798: Federated Block Coordinate Descent Scheme for Learning Global and Personalized Models
Ruiyuan Wu, Anna Scaglione, Hoi-To Wai, Nurullah Karakoc, Kari Hreinsson, Wing-Kin Ma

AAAI-5082: Toward Understanding the Influence of Individual Clients in Federated Learning
Yihao Xue, Chaoyue Niu, Zhenzhe Zheng, Shaojie Tang, Chengfei Lyu, Fan Wu, Guihai Chen

AAAI-5309: Provably Secure Federated Learning against Malicious Clients
Xiaoyu Cao, Jinyuan Jia, Neil Zhenqiang Gong

AAAI-740: Step-Ahead Error Feedback for Distributed Training with Compressed Gradient
An Xu, Zhouyuan Huo, Heng Huang

Cluster: ML: Optimization

BC-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-10014: Decentralized Policy Gradient Descent Ascent for Safe Multi-Agent Reinforcement Learning
Songtao Lu, Kaiqing Zhang, Tianyi Chen, Tamer Basar, Lior Horesh

AAAI-1351: Enhancing Parameter-Free Frank Wolfe with an Extra Subproblem
Bingcong Li, Lingda Wang, Georgios B. Giannakis, Zhizhen Zhao

AAAI-5593: Communication-Efficient Projection-Free Algorithm for Nonconvex Constrained Learning Models
Wenhan Xian, Feihu Huang, Heng Huang

AAAI-5711: On the Adequacy of Untuned Warmup for Adaptive Optimization
Jerry Ma, Denis Yarats

AAAI-9962: Nearly Linear-Time, Parallelizable Algorithms for Non-Monotone Submodular Maximization
Alan Kuhnle

AAAI-10146: Minimum Robust Multi-Submodular Cover for Fairness
Lan N Nguyen, My T. Thai

AAAI-1942: Gradient Descent Averaging and Primal-Dual Averaging for Strongly Convex Optimization
Wei Tao, Wei Li, Zhisong Pan, Qing Tao

AAAI-1446: Physarum Powered Differentiable Linear Programming Layers and Applications
Zihang Meng, Sathya Ravi, Vikas Singh

Cluster: Neuro-Symbolic AI

BC-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-8179: Conversational Neuro-Symbolic Commonsense Reasoning
Forough Arabshahi, Jennifer Lee, Mikayla Gawarecki, Kathryn Mazaitis, Amos Azaria, Tom Mitchell

AAAI-10290: Dynamic Neuro-Symbolic Knowledge Graph Construction for Zero-Shot Commonsense Question Answering
Antoine Bosselut, Ronan Le Bras, Yejin Choi

AAAI-6489: Interpretable Actions: Controlling Experts with Understandable Commands
Shumeet Baluja, David Marwood, Michele Covell

AAAI-2439: Adaptive Teaching of Temporal Logic Formulas to Preference-Based Learners
Zhe Xu, Yuxin Chen, Ufuk Topcu

AAAI-6933: Aligning Artificial Neural Networks and Ontologies Towards Explainable AI
Manuel de Sousa Ribeiro, João Leite

AAAI-8166: SMART: A Situation Model for Algebra Story Problems via Attributed Grammar
Yining Hong, Qing Li, Ran Gong, Daniel Ciao, Siyuan Huang, Song-Chun Zhu

AAAI-9743: Self-Supervised Self Supervision by Combining Deep Learning and Probabilistic Logic
Hunter Lang, Hoifung Poon

Cluster: Vision: Object Detection & Categorization

BC-D4-R2: February 7, 8:45 AM – 10:30 AM PST and February 7, 4:45 PM – 6:30 PM PST

AAAI-3972: Query-Memory Re-Aggregation for Weakly-Supervised Video Object Segmentation
Fanchao Lin, Hongtao Xie, Yan Li, Yongdong Zhang

AAAI-3209: A Novel Visual Interpretability for Deep Neural Networks by Optimizing Activation Maps with Perturbation
Qinglong Zhang, Lu Rao, Yubin Yang

AAAI-3509: Dynamic Position-Aware Network for Fine-Grained Image Recognition
Shijie Wang, Haojie Li, Zhihui Wang, Wanli Ouyang

AAAI-2893: ACSNet: Action-Context Separation Network for Weakly Supervised Temporal Action Localization
Ziyi Liu, Le Wang, Qilin Zhang, Wei Tang, Junsong Yuan, Nanning Zheng, Gang Hua

AAAI-7561: YOLOmobile: Real-Time Object Detection on Mobile Devices via Compression-Compilation Co-Design
Yuxuan Cai, Hongjia Li, Geng Yuan, Wei Niu, Yanyu Li, Xulong Tang, Bin Ren, Yanzhi Wang

AAAI-7562: Category Dictionary Guided Unsupervised Domain Adaptation for Object Detection
Shuai Li, Jianqiang Huang, Xian-Sheng Hua, Lei Zhang

AAAI-9885: Context-Aware Attentional Pooling (CAP) for Fine-Grained Visual Classification
Ardhendu Behera, Zachary Wharton, Pradeep R P G Hewage, ASISH BERA

AC-D4-R1: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

Cluster: Cognitive Modeling & Cognitive Systems

AC-D4-R1: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-3742: Towards a Better Understanding of VR Sickness: Physical Symptom Prediction for VR Contents
Hak Gu Kim, Sangmin Lee, Seongyeop Kim, Heoun-taek Lim, Yong Man Ro

AAAI-3021: Uncertain Graph Neural Networks for Facial Action Unit Detection
Tengfei Song, Lisha Chen, Wenming Zheng, Qiang Ji

AAAI-5696: Quantum Cognitively Motivated Decision Fusion for Video Sentiment Analysis
Dimitris Gkoumas, Qiuchi Li, Shahram Dehdashti, Massimo Melucci, Yijun Yu, Dawei Song

AAAI-2554: Multi-Modal Multi-Label Emotion Recognition with Heterogeneous Hierarchical Message Passing
Dong Zhang, Xincheng Ju, Wei Zhang, Junhui Li, Shoushan Li, Zhu Qiaoming, Zhou Guodong

AAAI-7688: Plug-and-Play Domain Adaptation for Cross-Subject EEG-Based Emotion Recognition
Liming Zhao, Xu Yan, Bao-Liang Lu

AAAI-3588: Inference Fusion with Associative Semantics for Unseen Object Detection
Yanan Li, Pengyang Li, Han Cui, Donghui Wang

AAAI-1995: Learning Modality-Specific Representations with Self-Supervised Multi-Task Learning for Multimodal Sentiment Analysis
Wenmeng Yu, Hua Xu, Ziqi Yuan, Jiele Wu

AAAI-4693: Deep Spiking Neural Network with Neural Oscillation and Spike-Phase information
Yi Chen, Hong Qu, Malu Zhang, Yuchen Wang

Cluster: Data Mining & Knowledge Management

AC-D4-R1: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-10304: Exploiting Behavioral Consistency for Universal User Representation
Jie Gu, Feng Wang, Qinghui Sun, Zhiqian Ye, Xiaoxiao Xu, Jingmin Chen, Jun Zhang

AAAI-5654: Out-of-Town Recommendation with Travel Intention Modeling
Haoran Xin, Xinjiang Lu, Tong Xu, Hao Liu, Jingjing Gu, Dejing Dou, Hui Xiong

AAAI-2504: Fairness-Aware News Recommendation with Decomposed Adversarial Learning
Chuhan Wu, Fangzhao Wu, Xiting Wang, Yongfeng Huang, Xing Xie

AAAI-5262: Noninvasive Self-Attention for Side Information Fusion in Sequential Recommendation
Chang Liu, Xiaoguang Li, Guohao Cai, Zhenhua Dong, Lifeng Shang, Hong Zhu

AAAI-1365: Attentive Neural Point Processes for Event Forecasting
Yulong Gu

AAAI-9137: Graph-Enhanced Multi-Task Learning of Multi-Level Transition Dynamics for Session-Based Recommendation
Chao Huang, Jiahui Chen, Lianghao Xia, Yong Xu, Peng Dai, Yanqing Chen, Liefeng Bo, Jiashu Zhao, Jimmy Huang

AAAI-3071: Knowledge-Enhanced Hierarchical Graph Transformer Network for Multi-Behavior Recommendation
Lianghao Xia, Chao Huang, Yong Xu, Peng Dai, Xiyue Zhang, Hongsheng Yang, Jian Pei, Liefeng Bo

AAAI-5948: Reinforced Imitative Graph Representation Learning for Mobile User Profiling: An Adversarial Training Perspective
Dongjie Wang, Pengyang Wang, Kunpeng Liu, Yuanchun Zhou, Charles E Hughes, Yanjie Fu

AAAI-9722: Visual Pivoting for (Unsupervised) Entity Alignment
Fangyu Liu, Muhao Chen, Dan Roth, Nigel Collier

AAAI-9602: Commonsense Knowledge Augmentation for Low-Resource Languages via Adversarial Learning
Bosung Kim, Juae Kim, Youngjoong Ko, Jungyun Seo

AAAI-2755: Learning to Truncate Ranked Lists for Information Retrieval
Chen Wu, Ruqing Zhang, Jiafeng Guo, Yixing Fan, Yanyan Lan, Xueqi Cheng

AAAI-6681: Generalized Relation Learning with Semantic Correlation Awareness for Link Prediction
Yao Zhang, Xu Zhang, Jun Wang, Hongru Liang, Wenqiang Lei, Zhe Sun, Adam Jatowt, Zhenglu Yang

AAAI-4146: Relation-Aware Neighborhood Matching Model for Entity Alignment
Yao Zhu, Hongzhi Liu, Zhonghai Wu, Yingpeng Du

AAAI-2796: Deep Graph-Neighbor Coherence Preserving Network for Unsupervised Cross-Modal Hashing
Jun Yu, Hao Zhou, Yibing Zhan, Dacheng Tao

AAAI-3389: A User-Adaptive Layer Selection Framework for Very Deep Sequential Recommender Models
Lei Chen, Fajie Yuan, Jiayi Yang, Xiang Ao, Chengming Li, Min Yang

Cluster: Healthcare & Covid Applications

AC-D4-R1: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-5571: Modeling the Probabilistic Distribution of Unlabeled Data for One-Shot Medical Image Segmentation
Yuhang Ding, Xin Yu, Yi Yang

AAAI-2900: Deep Multi-Task Learning for Diabetic Retinopathy Grading in Fundus Images
Xiaofei Wang, Mai Xu, Jicong Zhang, Lai Jiang, Liu Li

AAAI-5083: Edge-Competing Pathological Liver Vessel Segmentation with Limited Labels
Zunlei Feng, Zhonghua Wang, Xinchao Wang, Xiuming Zhang, Lechao Cheng, Jie Lei, Yuexuan Wang, Mingli Song

AAAI-5002: Precise Yet Efficient Semantic Calibration and Refinement in ConvNets for Real-Time Polyp Segmentation from Colonoscopy Videos
Huisi Wu, Jiafu Zhong, Wei Wang, Zhenkun Wen, Jing Qin

AAAI-7405: C-Watcher: A Framework for Early Detection of High-Risk Neighborhoods Ahead of COVID-19 Outbreak
Congxi Xiao, Jingbo Zhou, Jizhou Huang, Haoyi Xiong, An Zhuo, Ji Liu, Dejing Dou

AAAI-1252: A Spatial Regulated Patch-Wise Approach for Cervical Dysplasia Diagnosis
Ying Zhang, Yifang Yin, Zhenguang Liu, Roger Zimmermann

AAAI-1368: GRASP: Generic Framework for Health Status Representation Learning Based on Incorporating Knowledge from Similar Patients
Chaohe Zhang, Xin Gao, Liantao Ma, Yasha Wang, Jiangtao Wang, Wen Tang

AAAI-262: Many-to-One Distribution Learning and K-Nearest Neighbor Smoothing for Thoracic Disease Identification
Yi Zhou, Lei Huang, Tianfei Zhou, Ling Shao

Cluster: NLP: Applications

AC-D4-R1: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-9535: Variational Inference for Learning Representations of Natural Language Edits
Edison Marrese-Taylor, Machel O Reid, Yutaka Matsuo

AAAI-6669: SongMASS: Automatic Song Writing with Pre-Training and Alignment Constraint
Zhonghao Sheng, Kaitao Song, Xu Tan, Yi Ren, Wei Ye, Shikun Zhang, Tao Qin

AAAI-2030: Learning to Check Contract Inconsistencies
Shuo Zhang, Junzhou Zhao, Pinghui Wang, Nuo Xu, Yang Yang, Yiting Liu, Yi Huang, Junlan Feng

AAAI-3110: Recognizing and Verifying Mathematical Equations Using Multiplicative Differential Neural Units
Ankur Mali, Alexander Ororbia, Daniel Kifer, C. Lee Giles

AAAI-4958: HMS: A Hierarchical Solver with Dependency-Enhanced Understanding for Math Word Problem
Xin Lin, Zhenya Huang, Hongke Zhao, Enhong Chen, Qi Liu, Hao Wang, Shijin Wang

AAAI-5132: A Bottom-Up DAG Structure Extraction Model for Math Word Problems
Yixuan Cao, Feng Hong, Hongwei Li, Ping Luo

AAAI-4524: Knowledge-Driven Distractor Generation for Cloze-Style Multiple Choice Questions
Siyu Ren, Kenny Zhu

AAAI-10063: MTAAL: Multi-Task Adversarial Active Learning for Medical Named Entity Recognition and Normalization
Baohang Zhou, Xiangrui Cai, Ying ZHANG, Wenya Guo, Xiaojie Yuan

Cluster: NLP: Language Models

AC-D4-R1: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-9541: Analogy Training Multilingual Encoders
Nicolas Garneau, Mareike Hartmann, Anders T Sandholm, Sebastian Ruder, Ivan Vulić, Anders Søgaard

AAAI-8418: On the Softmax Bottleneck of Recurrent Language Models
Dwarak Govind Parthiban, Yongyi Mao, Diana Inkpen

AAAI-1666: LRC-BERT: Latent-Representation Contrastive Knowledge Distillation for Natural Language Understanding
Hao Fu, Shaojun Zhou, Qihong Yang, Junjie Tang, Liu GuiQuan, Kaikui Liu, Xiaolong Li

AAAI-2270: DialogXL: All-in-One XLNet for Multi-Party Conversation Emotion Recognition
Weizhou Shen, Junqing Chen, Xiaojun Quan, Zhixian Xie

AAAI-4301: KG-BART: Knowledge Graph-Augmented Bart for Generative Commonsense Reasoning
Ye Liu, Yao Wan, Lifang He, Hao Peng, Philip S Yu

AAAI-10151: Self-Attention Attribution: Interpreting Information Interactions Inside Transformer
Yaru Hao, Li Dong, Furu Wei, Ke Xu

AAAI-9161: FILTER: An Enhanced Fusion Method for Cross-Lingual Language Understanding
Yuwei Fang, Shuohang Wang, Zhe Gan, Siqi Sun, Jingjing Liu

Cluster: NLP: Information Extraction / Question Answering

AC-D4-R1: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-647: Contrastive Triple Extraction with Generative Transformer
Hongbin Ye, Ningyu Zhang, Shumin Deng, Mosha Chen, Chuanqi Tan, Fei Huang, Huajun Chen

AAAI-761: RpBERT: A Text-Image Relation Propagation-Based BERT Model for Multimodal NER
Lin Sun, Jiquan Wang, Kai Zhang, Yindu Su, Fangsheng Weng

AAAI-6577: HopRetriever: Retrieve Hops over Wikipedia to Answer Complex Questions
Shaobo Li, Xiaoguang Li, Lifeng Shang, Xin Jiang, Qun Liu, Chengjie Sun, Zhenzhou Ji, Bingquan Liu

AAAI-1640: Retrospective Reader for Machine Reading Comprehension
Zhuosheng Zhang, Junjie Yang, Hai Zhao

AAAI-4940: TSQA: Tabular Scenario Based Question Answering
Xiao Li, Yawei Sun, Gong Cheng

AAAI-9753: Semantics-Aware Inferential Network for Natural Language Understanding
Shuiliang Zhang, Hai Zhao, Junru Zhou, Xi Zhou, Xiang Zhou

AAAI-6416: Graph-Based Tri-Attention Network for Answer Ranking in CQA
Wei Zhang, Zeyuan Chen, Chao Dong, Wen Wang, Hongyuan Zha, Jianyong Wang

Cluster: NLP: Generation

AC-D4-R1: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-5176: Towards Faithfulness in Open Domain Table-to-Text Generation from an Entity-Centric View
Tianyu Liu, Xin Zheng, Baobao Chang, Zhifang Sui

AAAI-1654: Code Completion by Modeling Flattened Abstract Syntax Trees as Graphs
Yanlin Wang, Hui Li

AAAI-9810: Generating Diversified Comments via Reader-Aware Topic Modeling and Saliency Detection
Wei Wang, Piji Li, Hai-Tao Zheng

AAAI-4049: Show Me How To Revise: Improving Lexically Constrained Sentence Generation with XLNet
Xingwei He, Victor O.K. Li

AAAI-3696: A Theoretical Analysis of the Repetition Problem in Text Generation
Zihao Fu, Wai Lam, Anthony Man-Cho So, Bei Shi

AAAI-10024: Towards Topic-Aware Slide Generation for Academic Papers with Unsupervised Mutual Learning
Da-Wei Li, Danqing Huang, Tingting Ma, Chin-Yew Lin

AAAI-1770: Neural Sentence Simplification with Semantic Dependency Information
Zhe Lin, Xiaojun Wan

AAAI-9766: Stylized Dialogue Response Generation Using Stylized Unpaired Texts
Yinhe Zheng, Zikai Chen, Rongsheng Zhang, Shilei Huang, Xiaoxi Mao, Minlie Huang

Cluster: NLP: Conversational AI / Dialog Systems

AC-D4-R1: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-106: Learning to Copy Coherent Knowledge for Response Generation
Jiaqi Bai, Ze Yang, Xinnian Liang, Wei Wang, Zhoujun Li

AAAI-5095: Multi-View Feature Representation for Dialogue Generation with Bidirectional Distillation
Shaoxiong Feng, Xuancheng Ren, Kan Li, Xu Sun

AAAI-10301: Sketch and Customize: A Counterfactual Story Generator
Changying Hao, Liang Pang, Yanyan Lan, Yan Wang, Jiafeng Guo, Xueqi Cheng

AAAI-9925: Infusing Multi-Source Knowledge with Heterogeneous Graph Neural Network for Emotional Conversation Generation
Yunlong Liang, Fandong Meng, Ying Zhang, Yufeng Chen, Jinan Xu, Jie Zhou

AAAI-9758: Topic-Aware Multi-Turn Dialogue Modeling
Yi Xu, Hai Zhao, Zhuosheng Zhang

AAAI-5296: A Graph Reasoning Network for Multi-Turn Response Selection via Customized Pre-Training
Yongkang Liu, Shi Feng, Daling Wang, Kaisong Song, Ren Feiliang, Yifei Zhang

AAAI-10138: Open Domain Dialogue Generation with Latent Images
Ze Yang, Wei Wu, Huang Hu, Can Xu, Wei Wang, Zhoujun Li

AAAI-501: Unsupervised Summarization for Chat Logs with Topic-Oriented Ranking and Context-Aware Auto-Encoders
Yicheng Zou, Jun Lin, Lujun Zhao, Yangyang Kang, Zhuoren Jiang, Changlong Sun, Qi Zhang, Xuanjing Huang, Xiaozhong Liu

Cluster: ML: Active / Weakly-Supervised / Semi-Supervised Learning

AC-D4-R1: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-9440: An Information-Theoretic Framework for Unifying Active Learning Problems
Quoc Phong Nguyen, Bryan Kian Hsiang Low, Patrick Jaillet

AAAI-10180: Top-k Ranking Bayesian Optimization
Quoc Phong Nguyen, Sebastian Tay, Bryan Kian Hsiang Low, Patrick Jaillet

AAAI-39
Nearest Neighbor Classifier Embedded Network for Active Learning
Fang Wan, Tianning Yuan, Mengying Fu, Xiangyang Ji, Qingming Huang, Qixiang Ye

AAAI-286: Agreement-Discrepancy-Selection: Active Learning with Progressive Distribution Alignment
Mengying Fu, Tianning Yuan, Fang Wan, Songcen Xu, Qixiang Ye

AAAI-7402: Revisiting Iterative Back-Translation from the Perspective of Compositional Generalization
Yinuo Guo, Hualai Zhu, Zeqi Lin, Bei Chen, Jian-Guang Lou, Dongmei Zhang

AAAI-7574: Predictive Adversarial Learning from Positive and Unlabeled Data
Wenpeng Hu, Ran Le, Bing Liu, Feng Ji, Jinwen Ma, Dongyan Zhao, Rui Yan

AAAI-479: Learning from Noisy Labels with Complementary Loss Functions
Deng-Bao Wang, Yong Wen, Lujia Pan, Min-Ling Zhang

AAAI-6317: PULNS: Positive-Unlabeled Learning with Effective Negative Sample Selector
Chuan Luo, Pu Zhao, Chen Chen, Bo Qiao, Chao Du, Hongyu Zhang, Wei Wu, Shaowei Cai, Bing He, Saravanakumar Rajmohan, Qingwei Lin

AC-D4-R2: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

Cluster: NLP: Language Grounding & Multi-modal NLP

AC-D4-R2: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-1627: Quantum-Inspired Neural Network for Conversational Emotion Recognition
Qiuchi Li, Dimitris Gkoumas, Alessandro Sordani, Jian-Yun Nie, Massimo Melucci

AAAI-2589: Disentangled Motif-Aware Graph Learning for Phrase Grounding
Zongshen Mu, Siliang Tang, Jie Tan, Qiang Yu, Yueting Zhuang

AAAI-4673: An Unsupervised Sampling Approach for Image-Sentence Matching Using Document-Level Structural Information
Zejun Li, Zhongyu Wei, Zhihao Fan, Haijun Shan, Xuanjing Huang

AAAI-4278: VisualMRC: Machine Reading Comprehension on Document Images
Ryota Tanaka, Kyosuke Nishida, Sen Yoshida

AAAI-1507: Self-Supervised Pre-Training and Contrastive Representation Learning for Multiple-Choice Video QA
Seonhoon Kim, Seohyeong Jeong, Eunbyul Kim, Inho Kang, Nojun Kwak

AAAI-415: Audio-Oriented Multimodal Machine Comprehension via Dynamic Inter- and Intra-Modality Attention
Zhiqi Huang, Fenglin Liu, Xian Wu, Shen Ge, Helin Wang, Wei Fan, Yuexian Zou

AAAI-6544: MERL: Multimodal Event Representation Learning in Heterogeneous Embedding Spaces
Linhai Zhang, Deyu Zhou, Yulan He, Zeng Yang

AAAI-9839: Brain Decoding Using fNIRS
Lu Cao, Dandan Huang, Yue Zhang, Xiaowei Jiang, Yanan Chen

Cluster: Graph Mining, Social Network Analysis & Community

AC-D4-R2: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-9941: Learning to Pre-Train Graph Neural Networks
Yuanfu Lu, Xunqiang Jiang, Yuan Fang, Chuan Shi

AAAI-6859: Towards Consumer Loan Fraud Detection: Graph Neural Networks with Role-Constrained Conditional Random Field
Bingbing Xu, Huawei Shen, Rong An, Bingjie Sun, Qi Cao, Xueqi Cheng

AAAI-10106: Rethinking Graph Regularization for Graph Neural Networks
Han Yang, Kaili Ma, James Cheng

AAAI-2858: Hyperbolic Variational Graph Neural Network for Modeling Dynamic Graphs
Li Sun, Zhongbao Zhang, Jiawei Zhang, Feiyang Wang, Hao Peng, Sen Su, Philip S Yu

AAAI-8541: Hybrid-Order Stochastic Block Model
Xunxun Wu, Chang-Dong Wang, Pengfei Jiao

AAAI-2842: Adversarial Directed Graph Embedding
Shijie Zhu, Jianxin Li, Hao Peng, Senzhang Wang, Lifang He

AAAI-5238: GraphMSE: Efficient Meta-Path Selection in Semantically Aligned Feature Space for Graph Neural Networks
Yi Li, Yilun Jin, Guojie Song, Zihao Zhu, Chuan Shi, Yiming Wang

Cluster: ML: Matrix & Tensor Methods

AC-D4-R2: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-3402: Bayesian Dynamic Mode Decomposition with Variational Matrix Factorization
Takahiro Kawashima, Hayaru Shouno, Hideitsu Hino

AAAI-1103: Clustering Ensemble Meets Low-Rank Tensor Approximation
Yuheng Jia, Hui Liu, Junhui Hou, Qingfu Zhang

AAAI-9784: Scalable and Explainable 1-Bit Matrix Completion via Graph Signal Learning
Chao Chen, Dongsheng Li, Junchi Yan, Hanchi Huang, Xiaokang Yang

AAAI-3898: SWIFT: Scalable Wasserstein Factorization for Sparse Nonnegative Tensors
Ardavan Afshar, Kejing Yin, Sherry Yan, Cheng Qian, Joyce Ho, Haesun Park, Jimeng Sun

AAAI-8144: eTREE: Learning Tree-Structured Embeddings
Faisal Almutairi, Yunlong Wang, Dong Wang, Emily Zhao, Nicholas Sidiropoulos

AAAI-4990: Fully-Connected Tensor Network Decomposition and Its Application to Higher-Order Tensor Completion
Yu-Bang Zheng, Ting-Zhu Huang, Xi-Le Zhao, Qibin Zhao, Tai-Xiang Jiang

AAAI-5174: Approximate Multiplication of Sparse Matrices with Limited Space
Yuanyu Wan, Lijun Zhang

Cluster: ML: Time-Series/Data Streams

AC-D4-R2: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-6256: UNIpoinT: Universally Approximating Point Processes Intensities
Alexander Soen, Lexing Xie, Alexander Mathews, Daniel Grixti-Cheng

AAAI-5277: Joint-Label Learning by Dual Augmentation for Time Series Classification
Qianli Ma, Zhenjing Zheng, Jiawei Zheng, Sen Li, Wanqing Zhuang, Garrison Cottrell

AAAI-7346: Informer: Beyond Efficient Transformer for Long Sequence Time-Series Forecasting
Haoyi Zhou, Shanghang Zhang, Jieqi Peng, Shuai Zhang, Jianxin Li, Hui Xiong, Wancai Zhang

AAAI-2017: Learnable Dynamic Temporal Pooling for Time Series Classification
Dongha Lee, Seonghyeon Lee, Hwanjo Yu

AAAI-3899: Continuous-Time Attention for Sequential Learning
Yi-Hsiang Chen, Jen-Tzung Chien

AAAI-7015: Memory-Gated Recurrent Networks
Yaquan Zhang, Qi Wu, Nanbo Peng, Min Dai, Jing Zhang, Hu Wang

AAAI-1757: Second Order Techniques for Learning Time-Series with Structural Breaks
Takayuki Osogami

AAAI-5139: ShapeNet: A Shapelet-Neural Network Approach for Multivariate Time Series Classification
Guozhong Li, Byron Choi, Jianliang Xu, Sourav S Bhowmick, Kwok-Pan Chun, Grace Lai-Hung Wong

Cluster: ML: Neural Network Algorithms

AC-D4-R2: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-3116: Rethinking Bi-Level Optimization in Neural Architecture Search: A Gibbs Sampling Perspective
Chao Xue, Xiaoxing Wang, Junchi Yan, Yonggang Hu, Xiaokang Yang, Kewei Sun

AAAI-9088: Near Lossless Transfer Learning for Spiking Neural Networks
Zhanglu Yan, Jun Zhou, Weng-Fai Wong

AAAI-4138: Training Spiking Neural Networks with Accumulated Spiking Flow
Hao Wu, Yueyi Zhang, Wenming Weng, Yongting Zhang, Zhiwei Xiong, Zheng-Jun Zha, Xiaoyan Sun, Feng Wu

AAAI-495: Adaptive Knowledge Driven Regularization for Deep Neural Networks
Zhaojing Luo, Shaofeng Cai, Can Cui, Beng Chin Ooi, Yang Yang

AAAI-6989: Going Deeper with Directly-Trained Larger Spiking Neural Networks
Hanle Zheng, Guoqi Li, Yujie Wu, Lei Deng, Yifan Hu

AAAI-1891: Post-training Quantization with Multiple Points: Mixed Precision without Mixed Precision
Xingchao Liu, Mao Ye, Denny Zhou, Qiang Liu

AAAI-1054: OPQ: Compressing Deep Neural Networks with One-Shot Pruning-Quantization
Peng Hu, Xi Peng, Hongyuan Zhu, Mohamed M. Sabry Aly, Jie Lin

AAAI-2192: Kernel-Convolved Deep Neural Networks with Data Augmentation
Minjin Kim, Young-geun Kim, Dongha Kim, Yongdai Kim, Myunghye Cho Paik

Cluster: Vision: Video Understanding & Activity Analysis

AC-D4-R2: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-3094: Visual Tracking via Hierarchical Deep Reinforcement Learning
Dawei Zhang, Zhonglong Zheng, Riheng Jia, Minglu Li

AAAI-1493: Temporal Relational Modeling with Self-Supervision for Action Segmentation
Dong Wang, Di Hu, Xingjian Li, Dejing Dou

AAAI-1534: Anticipating Future Relations via Graph Growing for Action Prediction
Xinxiao Wu, Jianwei Zhao, Ruiqi Wang

AAAI-1546: Spatial-Temporal Causal Inference for Partial Image-to-Video Adaptation
Jin Chen, Xinxiao Wu, Yao Hu, Jiebo Luo

AAAI-120: Weakly-Supervised Temporal Action Localization by Uncertainty Modeling
Pilhyeon Lee, Jinglu Wang, Yan Lu, Hyeran Byun

AAAI-5162: Decaug: Augmenting HOI Detection via Decomposition
Hao-Shu Fang, Yichen Xie, Dian Shao, Yong-Lu Li, Cewu Lu

AAAI-1532: RSPNet: Relative Speed Perception for Unsupervised Video Representation Learning
Peihao Chen, Deng Huang, Dongliang He, Xiang Long, Runhao Zeng, Shilei Wen, Mingkui Tan, Chuang Gan

AAAI-3644: Activity Image-to-Video Retrieval by Disentangling Appearance and Motion
Liu Liu, Jiangtong Li, Li Niu, Ruicong Xu, Liqing Zhang

Cluster: Vision: Segmentation

AC-D4-R2: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-8431: Consistency Regularization with High-Dimensional Non-Adversarial Source-Guided Perturbation for Unsupervised Domain Adaptation in Segmentation

Kaihong Wang, Chenhongyi Yang, Margrit Betke

AAAI-5920: Bidirectional RNN Based Few Shot Learning for 3D Medical Image Segmentation

Soopil Kim, Sion An, Philip Chikontwe, Sanghyun Park

AAAI-4464: Discriminative Region Suppression for Weakly-Supervised Semantic Segmentation

Beomyoung Kim, Sangeun Han, Junmo Kim

AAAI-5105: Knowledge-Guided Object Discovery with Acquired Deep Impressions

Jinyang Yuan, Bin Li, Xiangyang Xue

AAAI-103: AttaNet: Attention-Augmented Network for Fast and Accurate Scene Parsing

Qi Song, Kangfu Mei, Rui Huang

AAAI-4583: Unsupervised Model Adaptation for Continual Semantic Segmentation

Serban Stan, Mohammad Rostami

AAAI-2890: Hierarchical Information Passing Based Noise-Tolerant Hybrid Learning for Semi-Supervised Human Parsing

Yunan Liu, Shanshan Zhang, Jian Yang, PongChi Yuen

AAAI-200: F2Net: Learning to Focus on the Foreground for Unsupervised Video Object Segmentation

Daizong Liu, Dongdong Yu, Changhu Wang, Pan Zhou

Cluster: ML: Adversarial Learning, Attacks & Robustness

AC-D4-R2: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-10011: Towards Feature Space Adversarial Attack by Style Perturbation

Qiuling Xu, Guanhong Tao, Siyuan Cheng, Xiangyu Zhang

AAAI-8922: Universal Adversarial Perturbations through the Lens of Deep Steganography: Towards a Fourier Perspective

Chaoning Zhang, Philipp Benz, Adil Karjauv, In So Kweon

AAAI-3955: Adversarial Robustness through Disentangled Representations

Shuo Yang, Tianyu Guo, Yunhe Wang, Chang Xu

AAAI-3323: Adversarial Training with Fast Gradient Projection Method against Synonym Substitution Based Text Attacks

Xiaosen Wang, Yichen Yang, Yihe Deng, Kun He

AAAI-3447: Composite Adversarial Attacks

Xiaofeng Mao, Yuefeng Chen, Shuhui Wang, Hang Su, Yuan He, Hui Xue

AAAI-2700: Detecting Adversarial Examples from Sensitivity Inconsistency of Spatial-Transform Domain

Jinyu Tian, Jiantao Zhou, Yuanman Li, Jia Duan

AAAI-329: Large Norms of CNN Layers Do Not Hurt Adversarial Robustness

Youwei Liang, Dong Huang

AAAI-4344: Deep Feature Space Trojan Attack of Neural Networks by Controlled Detoxification

Siyuan Cheng, Yingqi Liu, Shiqing Ma, Xiangyu Zhang

Cluster: Vision: Multi-modal Vision

AC-D4-R2: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-871: Partially Non-Autoregressive Image Captioning

Zhengcong Fei

AAAI-2562: Semantic-Guided Reinforced Region Embedding for Generalized Zero-Shot Learning

Jiannan Ge, Hongtao Xie, Shaobo Min, Yongdong Zhang

AAAI-5159: Multimodal Fusion via Teacher-Student Network for Indoor Action Recognition

Bruce X.B. Yu, Yan Liu, Keith Chan

AAAI-1324: Improving Image Captioning by Leveraging Intra- and Inter-layer Global Representation in Transformer Network

Jiayi Ji, Yunpeng Luo, Xiaoshuai Sun, Fuhai Chen, Gen Luo, Yongjian Wu, Yue Gao, Rongrong Ji

AAAI-3177: Joint Color-Irrelevant Consistency Learning and Identity-Aware Modality Adaptation for Visible-Infrared Cross Modality Person Re-Identification

Zhiwei Zhao, Bin Liu, Qi Chu, Yan Lu, Nenghai Yu

AAAI-2323: Task-Independent Knowledge Makes for Transferable Representations for Generalized Zero-Shot Learning
Chaoqun Wang, Xuejin Chen, Shaobo Min, Xiaoyan Sun, Houqiang Li

AAAI-2754: Robust Multi-Modality Person Re-Identification
Aihua Zheng, Zihan Chen, Zi Wang, Chenglong Li, Jin Tang

AAAI-3652: Binaural Audio-Visual Localization
Xinyi Wu, Zhenyao Wu, Lili Ju, Song Wang

Cluster: Vision: Image and Video Retrieval

AC-D4-R2: February 7, 4:45 PM – 6:30 PM PST and February 8, 12:45 AM – 2:30 AM PST

AAAI-4639: Unsupervised Domain Adaptation for Person Re-Identification via Heterogeneous Graph Alignment
Minying Zhang, Kai Liu, Yidong Li, Shihui Guo, Hongtao Duan, Yimin Long, Yi Jin

AAAI-487: Context-Aware Graph Convolution Network for Target Re-Identification
Deyi Ji, Haoran Wang, Hanzhe Hu, Weihao Gan, Wei Wu, Junjie Yan

AAAI-2076: Terrace-Based Food Counting and Segmentation
Huu-Thanh Nguyen, Chong-Wah Ngo

AAAI-3917: SSN3D: Self-Separated Network to Align Parts for 3D Convolution in Video Person Re-Identification
Xiaoke Jiang, Yu Qiao, Junjie Yan, Qichen Li, Wanrong Zheng, Dapeng Chen

AAAI-698: Multi-Level Distance Regularization for Deep Metric Learning
Yonghyun Kim, Wonpyo Park