

AAAI-22 Accepted Papers — Main Technical Track

Main Track

*(The list of accepted papers for the **Special Track on AI for Social Impact** appears at the end of this document, beginning on page 79.)*

11: Scaled ReLU Matters for Training Vision Transformers

Pichao Wang, Xue Wang, Hao Luo, Jingkai Zhou, Zhipeng Zhou, Fan Wang, Hao Li, Rong Jin

21: Search Strategies for Topological Network Optimization

Michael D. Moffitt

26: Fully Attentional Network for Semantic Segmentation

Qi Song, Jie Li, Chenghong Li, Hao Guo, Rui Huang

28: Efficient Riemannian Meta-Optimization by Implicit Differentiation

Xiaomeng Fan, Yuwei Wu, Zhi Gao, Yunde Jia, Mehrtash Harandi

36: Video as Conditional Graph Hierarchy for Multi-Granular Question Answering

Junbin Xiao, Angela Yao, Zhiyuan Liu, Yicong Li, Wei Ji, Tat-Seng Chua

37: A Causal Inference Look at Unsupervised Video Anomaly Detection

Xiangru Lin, Yuyang Chen, Guanbin Li, Yizhou Yu

50: MSML: Enhancing Occlusion-Robustness by Multi-Scale Segmentation-Based Mask Learning for Face Recognition

Ge Yuan, Huicheng Zheng, Jiayu Dong

51: LUNAR: Unifying Local Outlier Detection Methods via Graph Neural Networks

Adam Goodge, Bryan Hooi, Ng See Kiong, Ng Wee Siong

52: End-to-End Line Drawing Vectorization

Hanyuan Liu, Chengze Li, Xueting Liu, Tien-Tsin Wong

56: Online-Updated High-Order Collaborative Networks for Single Image Deraining

Cong Wang, Jinshan Pan, Xiao-Ming Wu

66: Up to 100 \times Faster Data-Free Knowledge Distillation

Gongfan Fang, Kanya Mo, Xinchao Wang, Jie Song, Shitao Bei, Haofei Zhang, Mingli Song

68: Adaptive Logit Adjustment Loss for Long-Tailed Visual Recognition

Yan Zhao, Weicong Chen, Xu Tan, Kai Huang, Jihong Zhu

70: Meta Faster R-CNN: Towards Accurate Few-Shot Object Detection with Attentive Feature Alignment

Guangxing Han, Shiyuan Huang, Jiawei Ma, Yicheng He, Shih-Fu Chang

75: MMA: Multi-Camera Based Global Motion Averaging

Hainan Cui, Shuhan Shen

81: Stereo Neural Vernier Caliper

Shichao Li, Zechun Liu, Zhiqiang Shen, Kwang-Ting Cheng

88: AnchorFace: Boosting TAR@FAR for Practical Face Recognition

Jiaheng Liu, Haoyu Qin, Yichao Wu, Ding Liang

93: Learning to Learn Transferable Attack
Shuman Fang, Jie Li, Xianming Lin, Rongrong Ji

108: A Causal Debiasing Framework for Unsupervised Salient Object Detection
Xiangru Lin, Ziyi Wu, Guanqi Chen, Guanbin Li, Yizhou Yu

110: Unsupervised Temporal Video Grounding with Deep Semantic Clustering
Daizong Liu, Xiaoye Qu, Yinzhen Wang, Xing Di, Kai Zou, Yu Cheng, Zichuan Xu, Pan Zhou

111: Memory-Guided Semantic Learning Network for Temporal Sentence Grounding
Daizong Liu, Xiaoye Qu, Xing Di, Yu Cheng, Zichuan Xu, Pan Zhou

112: Exploring Motion and Appearance Information for Temporal Sentence Grounding
Daizong Liu, Xiaoye Qu, Pan Zhou, Yang Liu

137: Best-Buddy GANs for Highly Detailed Image Super-Resolution
Wenbo Li, Kun Zhou, Lu Qi, Liying Lu, Jiangbo Lu

140: Visual Sound Localization in the Wild by Cross-Modal Interference Erasing
Xian Liu, Rui Qian, Hang Zhou, Di Hu, Weiyao Lin, Ziwei Liu, Bolei Zhou, Xiaowei Zhou

149: Interventional Multi-Instance Learning with Deconfounded Instance-Level Prediction
Tiancheng Lin, Hongteng Xu, Canqian Yang, Yu Xi

163: NukCP: An Improved Local Search Algorithm for Maximum k-Club Problem
Jiejia Chen, Yiyuan Wang, Shaowei Cai, Minghao Yin, Yupeng Zhou, Jieyu Wu

164: A Fast Local Search Algorithm for the Latin Square Completion Problem
Shiwei Pan, Yiyuan Wang, Minghao Yin

166: Tailor Versatile Multi-Modal Learning for Multi-Label Emotion Recognition
Yi Zhang, Mingyuan Chen, Jundong Shen, Chongjun Wang

176: Solving Disjunctive Temporal Networks with Uncertainty under Restricted Time-Based Controllability Using Tree Search and Graph Neural Networks
Kevin Osanlou, Jeremy Frank, Andrei Bursuc, Tristan Cazenave, Eric Jacopin, Christophe Guettier, J. Benton

178: PageRank for Edges: Axiomatic Characterization
Natalia Kucharczuk, Tomasz Wąs, Oskar Skibski

184: Stationary Diffusion State Neural Estimation for Multiview Clustering
Chenghua Liu, Zhuolin Liao, Yixuan Ma, Kun Zhan

196: Efficient Model-Driven Network for Shadow Removal
Yurui Zhu, Zeyu Xiao, Yanchi Fang, Xueyang Fu, Zhiwei Xiong, Zheng-Jun Zha

198: Pan-Sharpener with Customized Transformer and Invertible Neural Network
Man Zhou, Jie Huang, Yanchi Fang, Xueyang Fu, Aiping Liu

211: STDEN: Towards Physics-Guided Neural Networks for Traffic Flow Prediction
Jiahao Ji, Jingyuan Wang, Zhe Jiang, Jiawei Jiang, Hu Zhang

214: MTLDesc: Looking Wider to Describe Better
Changwei Wang, Rongtao Xu, Yuyang Zhang, Shibiao Xu, Weiliang Meng, Bin Fan, Xiaopeng Zhang

229: Truthful Cake Sharing
Xiaohui Bei, Xinhang Lu, Warut Suksompong

243: Unsupervised Representation for Semantic Segmentation by Implicit Cycle-Attention Contrastive Learning
Bo Pang, Yizhuo Li, Yifan Zhang, Gao Peng, Jiajun Tang, Kaiwen Zha, Jiefeng Li, Cewu Lu

246: OneRel: Joint Entity and Relation Extraction with One Module in One Step
Yu-Ming Shang, Heyan Huang, Xian-Ling Mao

247: TransMEF: A Transformer-Based Multi-Exposure Image Fusion Framework Using Self-Supervised Multi-Task Learning
Linhao Qu, Shaolei Liu, Manning Wang, Zhijian Song

270: Contrastive Quantization with Code Memory for Unsupervised Image Retrieval
Jinpeng Wang, Ziyun Zeng, Bin Chen, Tao Dai, Shu-Tao Xia

274: Pose Adaptive Dual Mixup for Few-Shot Single-View 3D Reconstruction
Ta-Ying Cheng, Hsuan-Ru Yang, Niki Trigoni, Hwann-Tzong Chen, Tyng-Luh Liu

276: Modality-Adaptive Mixup and Invariant Decomposition for RGB-Infrared Person Re-Identification
Zhipeng Huang, Jiawei Liu, Liang Li, Kecheng Zheng, Zheng-Jun Zha

281: Meta Propagation Networks for Graph Few-Shot Semi-Supervised Learning
Kaize Ding, Jianling Wang, James Caverlee, Huan Liu

284: PMAL: Open Set Recognition via Robust Prototype Mining
Jing Lu, Yunlu Xu, Hao Li, Zhanzhan Cheng, Yi Niu

292: ELMA: Energy-Based Learning for Multi-Agent Activity Forecasting
Yuke Li, Pin Wang, Lixiong Chen, Zheng Wang, Ching-Yao Chan

296: Knowledge Compilation Meets Logical Separability
Junming Qiu, Wenqing Li, Zhanhao Xiao, Quanlong Guan, Liangda Fang, Zhao-Rong Lai, Qian Dong

303: One-Shot Talking Face Generation from Single-Speaker Audio-Visual Correlation Learning
Suzhen Wang, Lincheng Li, Yu Ding, Xin Yu

310: Anchor DETR: Query Design for Transformer-Based Object Detection
Yingming Wang, Xiangyu Zhang, Tong Yang, Jian Sun

329: LCTR: On Awakening the Local Continuity of Transformer for Weakly Supervised Object Localization
Zhiwei Chen, Changan Wang, Yabiao Wang, Guannan Jiang, Yunhang Shen, Ying Tai, Chengjie Wang, Wei Zhang, Liujuan Cao

330: GuidedMix-Net: Semi-Supervised Semantic Segmentation by Using Labeled Images as Reference
Peng Tu, Yawen Huang, Feng Zheng, Zhenyu He, Liujuan Cao, Ling Shao

333: Risk-Aware Stochastic Shortest Path
Tobias Meggendorfer

335: Task-Level Self-Supervision for Cross-Domain Few-Shot Learning

Wang Yuan, Zhizhong Zhang, Cong Wang, Haichuan Song, Yuan Xie, Lizhuang Ma

338: DPNAS: Neural Architecture Search for Deep Learning with Differential Privacy
Anda Cheng, Jiaxing Wang, Xi Sheryl Zhang, Qiang Chen, Peisong Wang, Jian Cheng

343: MoCaNet: Motion Retargeting in-the-Wild via Canonicalization Networks
Wentao Zhu, Zhuoqian Yang, Ziang Di, Wayne Wu, Yizhou Wang, Chen Change Loy

345: A Fully Single Loop Algorithm for Bilevel Optimization without Hessian Inverse
Junyi Li, Bin Gu, Heng Huang

364: SpikeConverter: An Efficient Conversion Framework Zipping the Gap between Artificial Neural Networks and Spiking Neural Networks
Fangxin Liu, Wenbo Zhao, Yongbiao Chen, Zongwu Wang, Li Jiang

370: Privacy-Preserving Face Recognition in the Frequency Domain
Yingguai Wang, Jian Liu, Man Luo, Le Yang, Li Wang

376: Towards Fully Sparse Training: Information Restoration with Spatial Similarity
Weixiang Xu, Xiangyu He, Ke Cheng, Peisong Wang, Jian Cheng

385: Improving Bayesian Neural Networks by Adversarial Sampling
Jiaru Zhang, Yang Hua, Tao Song, Hao Wang, Zhengui Xue, Ruhui Ma, Haibing Guan

388: Continual Learning Through Retrieval and Imagination
Zhen Wang, Liu Liu, Yiqun Duan, Dacheng Tao

390: Coarse-to-Fine Embedded PatchMatch and Multi-Scale Dynamic Aggregation for Reference-Based Super-Resolution
Bin Xia, Yapeng Tian, Yucheng Hang, Wenming Yang, Qingmin Liao, Jie Zhou

399: Causal Intervention for Subject-Deconfounded Facial Action Unit Recognition
Yingjie Chen, Diqi Chen, Tao Wang, Yizhou Wang, Yun Liang

411: Multi-Knowledge Aggregation and Transfer for Semantic Segmentation
Yuang Liu, Wei Zhang, Jun Wang

412: P³-Net: Part Mobility Parsing from Point Cloud Sequences via Learning Explicit Point Correspondence
Yahao Shi, Xinyu Cao, Feixiang Lu, Bin Zhou

420: Learning Token-Based Representation for Image Retrieval
Hui Wu, Min Wang, Wengang Zhou, Yang Hu, Houqiang Li

452: HEAL: A Knowledge Graph for Distress Management Conversations
Anuradha Welivita, Pearl Pu

461: Weakly-Supervised Salient Object Detection Using Point Supervision
Shuyong Gao, Wei Zhang, Yan Wang, Qianyu Guo, Chenglong Zhang, Yangji He, Wenqiang Zhang

470: Comprehensive Regularization in a Bi-Directional Predictive Network for Video Anomaly Detection
Chengwei Chen, Yuan Xie, Shaohui Lin, Angela Yao, Guannan Jiang, Wei Zhang, Yanyun Qu, Ruizhi Qiao, Bo Ren, Lizhuang Ma

471: QueryProp: Object Query Propagation for High-Performance Video Object Detection

Fei He, Naiyu Gao, Jian Jia, Xin Zhao, Kaiqi Huang

476: Shape Prior Guided Attack: Sparser Perturbations on 3D Point Clouds
Zhenbo Shi, Zhi Chen, Zhenbo Xu, Wei Yang, Zhidong Yu, Liusheng Huang

480: Not All Voxels Are Equal: Semantic Scene Completion from the Point-Voxel Perspective
Jiaxiang Tang, Xiaokang Chen, Jingbo Wang, Gang Zeng

486: Channelized Axial Attention - Considering Channel Relation within Spatial Attention for Semantic Segmentation
Ye Huang, Di Kang, Wenjing Jia, Liu Liu, Xiangjian He

490: Dynamic Spatial Propagation Network for Depth Completion
Yuankai Lin, Tao Cheng, Qi Zhong, Wending Zhou, Hua Yang

500: Beyond Shared Subspace: A View-Specific Fusion for Multi-View Multi-Label Learning
Gengyu Lyu, Xiang Deng, Yanan Wu, Songhe Feng

509: Renovate Yourself: Calibrating Feature Representation of Misclassified Pixels for Semantic Segmentation
Hualiang Wang, Huanpeng Chu, Siming Fu, Zuozhu Liu, Haoji Hu

510: The Price of Selfishness: Conjunctive Query Entailment for ALCSelf is 2EXPTIME-Hard
Bartosz Bednarczyk, Sebastian Rudolph

517: SCIR-Net: Structured Color Image Representation Based 3D Object Detection Network from Point Clouds
Qingdong He, Hao Zeng, Yi Zeng, Yijun Liu

521: Memory-Based Jitter: Improving Visual Recognition on Long-Tailed Data with Diversity In Memory
Jialun Liu, Wenhui Li, Yifan Sun

528: SCSNet: An Efficient Paradigm for Learning Simultaneously Image Colorization and Super-Resolution
Jiangning Zhang, Chao Xu, Jian Li, Yue Han, Yabiao Wang, Ying Tai, Yong Liu

532: InsCLR: Improving Instance Retrieval with Self-Supervision
Zelu Deng, Yujie Zhong, Sheng Guo, Weilin Huang

546: The Secretary Problem with Competing Employers on Random Edge Arrivals
Xiaohui Bei, Shengyu Zhang

549: FINet: Dual Branches Feature Interaction for Partial-to-Partial Point Cloud Registration
Hao Xu, Nianjin Ye, Guanghui Liu, Bing Zeng, Shuaicheng Liu

557: Hierarchical Image Generation via Transformer-Based Sequential Patch Selection
Xiaogang Xu, Ning Xu

570: Deformable Part Region Learning for Object Detection
Seung-Hwan Bae

571: SCALoss: Side and Corner Aligned Loss for Bounding Box Regression
Tu Zheng, Shuai Zhao, Yang Liu, Zili Liu, Deng Cai

592: Dual Contrastive Learning for General Face Forgery Detection
Ke Sun, Taiping Yao, Shen Chen, Shouhong Ding, Jilin Li, Rongrong Ji

604: Unsupervised Domain Adaptive Salient Object Detection Through Uncertainty-Aware Pseudo-Label Learning
Pengxiang Yan, Ziyi Wu, Mengmeng Liu, Kun Zeng, Liang Lin, Guanbin Li

612: Modify Self-Attention via Skeleton Decomposition for Effective Point Cloud Transformer
Jiayi Han, Longbin Zeng, Liang Du, Xiaoqing Ye, Weiyang Ding, Jianfeng Feng

618: Exploring Visual Context for Weakly Supervised Person Search
Yichao Yan, Jinpeng Li, Shengcai Liao, Jie Qin, Bingbing Ni, Ke Lu, Xiaokang Yang

623: Feature Generation and Hypothesis Verification for Reliable Face Anti-Spoofing
Shice Liu, Shitao Lu, Hongyi Xu, Jing Yang, Shouhong Ding, Lizhuang Ma

626: Fusing Task-Oriented and Open-Domain Dialogues in Conversational Agents
Tom Young, Frank Xing, Vlad Pandealea, Jinjie Ni, Erik Cambria

629: Behind the Curtain: Learning Occluded Shapes for 3D Object Detection
Qiangeng Xu, Yiqi Zhong, Ulrich Neumann

667: Deep Confidence Guided Distance for 3D Partial Shape Registration
Dvir Ginzburg, Dan Raviv

669: Prevailing in the Dark: Information Walls in Strategic Games
Pavel Naumov, Wenxuan Zhang

676: ADD: Frequency Attention and Multi-View based Knowledge Distillation to Detect Low-Quality Compressed Deepfake Images
Binh M. Le, Simon S. Woo

678: Close the Loop: A Unified Bottom-Up and Top-Down Paradigm for Joint Image Deraining and Segmentation
Yi Li, Yi Chang, Changfeng Yu, Luxin Yan

702: Siamese Network with Interactive Transformer for Video Object Segmentation
Meng Lan, Jing Zhang, Fengxiang He, Lefei Zhang

725: Local Similarity Pattern and Cost Self-Reassembling for Deep Stereo Matching Networks
Biyang Liu, Huimin Yu, Yangqi Long

729: Mastering the Explicit Opinion-Role Interaction: Syntax-Aided Neural Transition System for Unified Opinion Role Labeling
Shengqiong Wu, Hao Fei, Fei Li, Meishan Zhang, Yijiang Liu, Chong Teng, Donghong Ji

733: VITA: A Multi-Source Vicinal Transfer Augmentation Method for Out-of-Distribution Generalization
Minghui Chen, Cheng Wen, Feng Zheng, Fengxiang He, Ling Shao

736: Improved Text Classification via Contrastive Adversarial Training
Lin Pan, Chung-Wei Hang, Avirup Sil, Saloni Potdar

742: Unified Named Entity Recognition as Word-Word Relation Classification
Jingye Li, Donghong Ji, Jiang Liu, Hao Fei, Meishan Zhang, Shengqiong Wu, Chong Teng, Fei Li

758: Denoised Maximum Classifier Discrepancy for Source-Free Unsupervised Domain Adaptation
Tong Chu, Yahao Liu, Jinhong Deng, Wen Li, Lixin Duan

785: Perceiving Stroke-Semantic Context: Hierarchical Contrastive Learning for Robust Scene Text Recognition

Hao Liu, Bin Wang, Zhimin Bao, Mobai Xue, Sheng Kang, Deqiang Jiang, Yinsong Liu, Bo Ren

794: HarmoFL: Harmonizing Local and Global Drifts in Federated Learning on Heterogeneous Medical Images
Meirui Jiang, Zirui Wang, Qi Dou

811: From Actions to Programs as Abstract Actual Causes
Bitan Banihashemi, Shakil M. Khan, Mikhail Soutchanski

841: Degrade is Upgrade: Learning Degradation for Low-Light Image Enhancement
Kui Jiang, Zhongyuan Wang, Zheng Wang, Chen Chen, Peng Yi, Tao Lu, Chia-Wen Lin

852: Single-Domain Generalization in Medical Image Segmentation via Test-Time Adaptation from Shape Dictionary
Quande Liu, Cheng Chen, Qi Dou, Pheng-Ann Heng

871: FOCUS: Flexible Optimizable Counterfactual Explanations for Tree Ensembles
Ana Lucic, Harrie Oosterhuis, Hinda Haned, Maarten de Rijke

875: Machine Learning for Utility Prediction in Argument-Based Computational Persuasion
Ivan Donadello, Anthony Hunter, Stefano Teso, Mauro Dragoni

882: Making Adversarial Examples More Transferable and Indistinguishable
Junhua Zou, Yexin Duan, Boyu Li, Wu Zhang, Yu Pan, Zhisong Pan

884: Multiscale Dynamic Coding improved Spiking Actor Network for Reinforcement Learning
Duzhen Zhang, Tielin Zhang, Shuncheng Jia, Bo Xu

902: SCAN: Cross Domain Object Detection with Semantic Conditioned Adaptation
Wuyang Li, Xinyu Liu, Xiwen Yao, Yixuan Yuan

907: Graph Structure Learning with Variational Information Bottleneck
Qingyun Sun, Jianxin Li, Hao Peng, Jia Wu, Xingcheng Fu, Cheng Ji, Philip S. Yu

912: SVGA-Net: Sparse Voxel-Graph Attention Network for 3D Object Detection from Point Clouds
Qingdong He, Zhengning Wang, Hao Zeng, Yi Zeng, Yijun Liu

915: Beyond Learning Features: Training a Fully-Functional Classifier with Zero Instance-Level Labels
Deepak Babu Sam, Abhinav Agarwalla, R. Venkatesh Babu

919: Machine-Learned Prediction Equilibrium for Dynamic Traffic Assignment
Lukas Graf, Tobias Harks, Kostas Kollias, Michael Markl

926: Learning Disentangled Classification and Localization Representations for Temporal Action Localization
Zixin Zhu, Le Wang, Wei Tang, Ziyi Liu, Nanning Zheng, Gang Hua

928: Multi-View Graph Representation for Programming Language Processing: An Investigation into Algorithm Detection
Ting Long, Yutong Xie, Xianyu Chen, Weinan Zhang, Qinxiang Cao, Yong Yu

932: Adaptive Poincaré Point to Set Distance for Few-Shot Classification
Rongkai Ma, Pengfei Fang, Tom Drummond, Mehrtash Harandi

934: SSAT: A Symmetric Semantic-Aware Transformer Network for Makeup Transfer and Removal
Zhaoyang Sun, Yaxiong Chen, Shengwu Xiong

940: Weighted Fairness Notions for Indivisible Items Revisited
Mithun Chakraborty, Erel Segal-Halevi, Warut Suksompong

946: LGD: Label-Guided Self-Distillation for Object Detection
Peizhen Zhang, Zijian Kang, Tong Yang, Xiangyu Zhang, Nanning Zheng, Jian Sun

961: Fuzzy Logic based Logical Query Answering on Knowledge Graphs
Xuelu Chen, Ziniu Hu, Yizhou Sun

966: Deep Incomplete Multi-View Clustering via Mining Cluster Complementarity
Jie Xu, Chao Li, Yazhou Ren, Liang Peng, Yujie Mo, Xiaoshuang Shi, Xiaofeng Zhu

971: Self-Supervised Object Localization with Joint Graph Partition
Yukun Su, Guosheng Lin, Yiwen Cao, Qingyao Wu

985: Invariant Information Bottleneck for Domain Generalization
Bo Li, Yifei Shen, Yezhen Wang, Wenzhen Zhu, Colorado Reed, Dongsheng Li, Kurt Keutzer, Han Zhao

988: Weakly Supervised Neural Symbolic Learning for Cognitive Tasks
Jidong Tian, Yitian Li, Wenqing Chen, Liqiang Xiao, Hao He, Yaohui Jin

1011: Exploiting Fine-Grained Face Forgery Clues via Progressive Enhancement Learning
Qiqi Gu, Shen Chen, Taiping Yao, Yang Chen, Shouhong Ding, Ran Yi

1018: Attention-Aligned Transformer for Image Captioning
Zhengcong Fei

1021: Highlighting Object Category Immunity for the Generalization of Human-Object Interaction Detection
Xinpeng Liu, Yong-Lu Li, Cewu Lu

1023: DANets: Deep Abstract Networks for Tabular Data Classification and Regression
Jintai Chen, KuanLun Liao, Yao Wan, Danny Z. Chen, Jian Wu

1026: Neighborhood-Adaptive Structure Augmented Metric Learning
Pandeng Li, Yan Li, Hongtao Xie, Lei Zhang

1049: DanceFormer: Music Conditioned 3D Dance Generation with Parametric Motion Transformer
Buyu Li, Yongchi Zhao, Zhelun Shi, Lu Sheng

1091: Logit Perturbation
Mengyang Li, Fengguang Su, Ou Wu, Ji Zhang

1097: Cross-Modal Federated Human Activity Recognition via Modality-Agnostic and Modality-Specific Representation Learning
Xiaoshan Yang, Baochen Xiong, Yi Huang, Changsheng Xu

1100: You Only Infer Once: Cross-Modal Meta-Transfer for Referring Video Object Segmentation
Dezhuang Li, Ruoqi Li, Lijun Wang, Yifan Wang, Jinqing Qi, Lu Zhang, Ting Liu, Qingquan Xu, Huchuan Lu

1102: FFNet: Frequency Fusion Network for Semantic Scene Completion
Xuzhi Wang, Di Lin, Liang Wan

1121: Hedonic Games with Fixed-Size Coalitions
Vittorio Bilò, Gianpiero Monaco, Luca Moscardelli

1133: Structured Semantic Transfer for Multi-Label Recognition with Partial Labels
Tianshui Chen, Tao Pu, Hefeng Wu, Yuan Xie, Liang Lin

1134: Semantic-Aware Representation Blending for Multi-Label Image Recognition with Partial Labels
Tao Pu, Tianshui Chen, Hefeng Wu, Liang Lin

1139: Mutual Contrastive Learning for Visual Representation Learning
Chuanguang Yang, Zhulin An, Linhang Cai, Yongjun Xu

1140: Path-Specific Objectives for Safer Agent Incentives
Sebastian Farquhar, Ryan Carey, Tom Everitt

1141: Can Semantic Labels Assist Self-Supervised Visual Representation Learning?
Longhui Wei, Lingxi Xie, Jianzhong He, Xiaopeng Zhang, Qi Tian

1152: Understanding Enthymemes in Deductive Argumentation Using Semantic Distance Measures
Anthony Hunter

1171: FrePGAN: Robust Deepfake Detection Using Frequency-Level Perturbations
Yonghyun Jeong, Doyeon Kim, Youngmin Ro, Jongwon Choi

1182: Finite Entailment of Local Queries in the Z Family of Description Logics
Bartosz Bednarczyk, Emanuel Kieroński

1194: Text Gestalt: Stroke-Aware Scene Text Image Super-Resolution
Jingye Chen, Haiyang Yu, Jianqi Ma, Bin Li, Xiangyang Xue

1200: AutoCFR: Learning to Design Counterfactual Regret Minimization Algorithms
Hang Xu, Kai Li, Haobo Fu, Qiang Fu, Junliang Xing

1201: Adaptive Hypergraph Neural Network for Multi-Person Pose Estimation
Xixia Xu, Qi Zou, Xue Lin

1202: Block-Skim: Efficient Question Answering for Transformer
Yue Guan, Zhengyi Li, Zhouhan Lin, Yuhao Zhu, Jingwen Leng, Minyi Guo

1203: MetaNODE: Prototype Optimization as a Neural ODE for Few-Shot Learning
Baoquan Zhang, Xutao Li, Shanshan Feng, Yunming Ye, Rui Ye

1223: Divide-and-Regroup Clustering for Domain Adaptive Person Re-Identification
Zhengdong Hu, Yifan Sun, Yi Yang, Jianguang Zhou

1225: A Unifying Theory of Thompson Sampling for Continuous Risk-Averse Bandits
Joel Q. L. Chang, Vincent Y. F. Tan

1227: Image Difference Captioning with Pre-Training and Contrastive Learning
Linli Yao, Weiyang Wang, Qin Jin

1239: Deep Amortized Relational Model with Group-Wise Hierarchical Generative Process
Huafeng Liu, Tong Zhou, Jiaqi Wang, Liping Jing, Michael K. Ng

1241: Assessing a Single Image in Reference-Guided Image Synthesis
Jiayi Guo, Chaoqun Du, Jiangshan Wang, Huijuan Huang, Pengfei Wan, Gao Huang

1257: Fusion Multiple Kernel K-Means
Yi Zhang, Xinwang Liu, Jiyuan Liu, Sisi Dai, Changwang Zhang, Kai Xu, En Zhu

1260: On the Complexity of Inductively Learning Guarded Clauses
Andrei Draghici, Georg Gottlob, Matthias Lanzinger

1265: Input-Specific Robustness Certification for Randomized Smoothing
Ruoxin Chen, Jie Li, Junchi Yan, Ping Li, Bin Sheng

1266: When Facial Expression Recognition Meets Few-Shot Learning: A Joint and Alternate Learning Framework
Xinyi Zou, Yan Yan, Jing-Hao Xue, Si Chen, Hanzi Wang

1267: Monocular Camera-Based Point-Goal Navigation by Learning Depth Channel and Cross-Modality Pyramid Fusion
Tianqi Tang, Heming Du, Xin Yu, Yi Yang

1280: Delving into Sample Loss Curve to Embrace Noisy and Imbalanced Data
Shenwang Jiang, Jianan Li, Ying Wang, Tingfa Xu, Bo Huang, Zhang Zhang

1302: PEA*+IDA*: An Improved Hybrid Memory-Restricted Algorithm
Frederico Messa, André G. Pereira

1324: One More Check: Making “Fake Background” Be Tracked Again
Chao Liang, Zhipeng Zhang, Xue Zhou, Bing Li, Weiming Hu

1327: ShuttleNet: Position-Aware Fusion of Rally Progress and Player Styles for Stroke Forecasting in Badminton
Wei-Yao Wang, Hong-Han Shuai, Kai-Shiang Chang, Wen-Chih Peng

1328: SCTN: Sparse Convolution-Transformer Network for Scene Flow Estimation
Bing Li, Cheng Zheng, Silvio Giancola, Bernard Ghanem

1339: DMN4: Few-Shot Learning via Discriminative Mutual Nearest Neighbor Neural Network
Yang Liu, Tu Zheng, Jie Song, Deng Cai, Xiaofei He

1342: Proxy Learning of Visual Concepts of Fine Art Paintings from Styles through Language Models
Diana Kim, Ahmed Elgammal, Marian Mazzone

1344: Content-Variant Reference Image Quality Assessment via Knowledge Distillation
Guanghao Yin, Wei Wang, Zehuan Yuan, Chuchu Han, Wei Ji, Shouqian Sun, Changhu Wang

1350: Evo-ViT: Slow-Fast Token Evolution for Dynamic Vision Transformer
Yifan Xu, Zhijie Zhang, Mengdan Zhang, Kekai Sheng, Ke Li, Weiming Dong, Liqing Zhang, Changsheng Xu, Xing Sun

1352: Efficient Virtual View Selection for 3D Hand Pose Estimation
Jian Cheng, Yanguang Wan, Dexin Zuo, Cuixia Ma, Jian Gu, Ping Tan, Hongan Wang, Xiaoming Deng, Yinda Zhang

1360: Shadow Generation for Composite Image in Real-World Scenes
Yan Hong, Li Niu, Jianfu Zhang

1382: PureGaze: Purifying Gaze Feature for Generalizable Gaze Estimation
Yihua Cheng, Yiwei Bao, Feng Lu

1391: MobileFaceSwap: A Lightweight Framework for Video Face Swapping

Zhiliang Xu, Zhibin Hong, Changxing Ding, Zhen Zhu, Junyu Han, Jingtuo Liu, Errui Ding

1394: JPV-Net: Joint Point-Voxel Representations for Accurate 3D Object Detection
Nan Song, Tianyuan Jiang, Jian Yao

1396: Retinomorph Object Detection in Asynchronous Visual Streams
Jianing Li, Xiao Wang, Lin Zhu, Jia Li, Tiejun Huang, Yonghong Tian

1399: Inharmonious Region Localization by Magnifying Domain Discrepancy
Jing Liang, Li Niu, Penghao Wu, Fengjun Guo, Teng Long

1411: BM-NAS: Bilevel Multimodal Neural Architecture Search
Yihang Yin, Siyu Huang, Xiang Zhang

1418: Competing Mutual Information Constraints with Stochastic Competition-Based Activations for Learning Diversified Representations
Konstantinos P. Panousis, Anastasios Antoniadis, Sotirios Chatzis

1458: Cross-Dataset Collaborative Learning for Semantic Segmentation in Autonomous Driving
Li Wang, Dong Li, Han Liu, Jinzhang Peng, Lu Tian, Yi Shan

1466: Self-Labeling Framework for Novel Category Discovery over Domains
Qing Yu, Daiki Ikami, Go Irie, Kiyoharu Aizawa

1489: Low-Light Image Enhancement with Normalizing Flow
Yufei Wang, Renjie Wan, Haoliang Li, Wenhan Yang, Lap-Pui Chau, Alex C. Kot

1499: Towards Light-Weight and Real-Time Line Segment Detection
Geonmo Gu, Byungsoo Ko, SeoungHyun Go, Sung-Hyun Lee, Jingeun Lee, Minchul Shin

1514: Making Translations to Classical Planning Competitive with Other HTN Planners
Gregor Behnke, Florian Pollitt, Daniel Höller, Pascal Bercher, Ron Alford

1516: Energy-Based Generative Cooperative Saliency Prediction
Jing Zhang, Jianwen Xie, Zilong Zheng, Nick Barnes

1531: Social Interpretable Tree for Pedestrian Trajectory Prediction
Liushuai Shi, Le Wang, Chengjiang Long, Sanping Zhou, Fang Zheng, Nanning Zheng, Gang Hua

1535: SFSRNet: Super-Resolution for Single-Channel Audio Source Separation
Joel Rixen, Matthias Renz

1537: Dual Attention Networks for Few-Shot Fine-Grained Recognition
Shu-Lin Xu, Faen Zhang, Xiu-Shen Wei, Jianhua Wang

1551: Learning Universal Adversarial Perturbation by Adversarial Example
Maosen Li, Yanhua Yang, Kun Wei, Xu Yang, Heng Huang

1564: L-CoDe: Language-Based Colorization Using Color-Object Decoupled Conditions
Shuchen Weng, Hao Wu, Zheng Chang, Jiajun Tang, Si Li, Boxin Shi

1567: A*+BFHS: A Hybrid Heuristic Search Algorithm
Zhaoxing Bu, Richard E. Korf

1570: Dist2Cycle: A Simplicial Neural Network for Homology Localization
Alexandros D. Keros, Vidit Nanda, Kartic Subr

1580: TransZero: Attribute-Guided Transformer for Zero-Shot Learning
Shiming Chen, Ziming Hong, Yang Liu, Guo-Sen Xie, Baigui Sun, Hao Li, Qinmu Peng, Xinge You, Ke Lu

1584: SVT-Net: Super Light-Weight Sparse Voxel Transformer for Large Scale Place Recognition
Zhaoxin Fan, Zhenbo Song, Hongyan Liu, Zhiwu Lu, Jun He, Xiaoyong Du

1591: Regularized Modal Regression on Markov-Dependent Observations: A Theoretical Assessment
Tieliang Gong, Yuxin Dong, Hong Chen, Wei Feng, Bo Dong, Chen Li

1594: A Graph Convolutional Network with Adaptive Graph Generation and Channel Selection for Event Detection
Zhipeng Xie, Yumin Tu

1616: Efficient Compact Bilinear Pooling via Kronecker Product
Tan Yu, Yunfeng Cai, Ping Li

1644: Multi-Centroid Representation Network for Domain Adaptive Person Re-ID
Yuhang Wu, Tengting Huang, Haotian Yao, Chi Zhang, Yuanjie Shao, Chuchu Han, Changxin Gao, Nong Sang

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Xiangyong Cao, Yang Chen, Wenfei Cao

1648: End-to-End Probabilistic Label-Specific Feature Learning for Multi-Label Classification
Jun-Yi Hang, Min-Ling Zhang, Yanghe Feng, Xiaocheng Song

1652: Clustering Approach to Solve Hierarchical Classification Problem Complexity
Aomar Osmani, Massinissa Hamidi, Pegah Alizadeh

1661: Geometry-Contrastive Transformer for Generalized 3D Pose Transfer
Haoyu Chen, Hao Tang, Zitong Yu, Nicu Sebe, Guoying Zhao

1665: Cross-Domain Few-Shot Graph Classification
Kaveh Hassani

1666: Achieving Zero Constraint Violation for Constrained Reinforcement Learning via Primal-Dual Approach
Qinbo Bai, Amrit Singh Bedi, Mridul Agarwal, Alec Koppel, Vaneet Aggarwal

1671: PrivateSNN: Privacy-Preserving Spiking Neural Networks
Youngeun Kim, Yeshwanth Venkatesha, Priyadarshini Panda

1672: Error-Based Knockoffs Inference for Controlled Feature Selection
Xuebin Zhao, Hong Chen, Yingjie Wang, Weifu Li, Tieliang Gong, Yulong Wang, Feng Zheng

1673: Retrieve, Caption, Generate: Visual Grounding for Enhancing Commonsense in Text Generation Models
Steven Y. Feng, Kevin Lu, Zhuofu Tao, Malihe Alikhani, Teruko Mitamura, Eduard Hovy, Varun Gangal

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Chen Zhang, Luis Fernando D'Haro, Thomas Friedrichs, Haizhou Li

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Itai Gat, Guy Lorberbom, Idan Schwartz, Tamir Hazan

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Linhang Cai, Zhulin An, Chuanguang Yang, Yangchun Yan, Yongjun Xu

1712: Rethinking the Optimization of Average Precision: Only Penalizing Negative Instances before Positive Ones is Enough
Zhuo Li, Weiqing Min, Jiajun Song, Yaohui Zhu, Liping Kang, Xiaoming Wei, Xiaolin Wei, Shuqiang Jiang

1713: Learning Logic Programs Through Divide, Constrain, and Conquer
Andrew Cropper

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Haitao Lin, Zhangyang Gao, Yongjie Xu, Lirong Wu, Ling Li, Stan Z. Li

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Manlin Zhang, Jinpeng Wang, Andy J. Ma

1729: Invariant Action Effect Model for Reinforcement Learning
Zheng-Mao Zhu, Shengyi Jiang, Yu-Ren Liu, Yang Yu, Kun Zhang

1731: Adaptive Image-to-Video Scene Graph Generation via Knowledge Reasoning and Adversarial Learning
Jin Chen, Xiaofeng Ji, Xinxiao Wu

1742: Action-Aware Embedding Enhancement for Image-Text Retrieval
Jiangtong Li, Li Niu, Liqing Zhang

1765: Tracing Text Provenance via Context-Aware Lexical Substitution
Xi Yang, Jie Zhang, Kejiang Chen, Weiming Zhang, Zehua Ma, Feng Wang, Nenghai Yu

1772: Efficient Robust Training via Backward Smoothing
Jinghui Chen, Yu Cheng, Zhe Gan, Quanquan Gu, Jingjing Liu

1794: Towards End-to-End Image Compression and Analysis with Transformers
Yuanchao Bai, Xu Yang, Xianming Liu, Junjun Jiang, Yaowei Wang, Xiangyang Ji, Wen Gao

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Fabricio Vasselai

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Hongchang Zhang, Jianzhun Shao, Yuhang Jiang, Shuncheng He, Guanwen Zhang, Xiangyang Ji

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Hao Wang, Euijoon Ahn, Jinman Kim

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Aditya Kalyanpur, Thomas Breloff, David Ferrucci

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Xianglin Yang, Yun Lin, Ruofan Liu, Zhenfeng He, Chao Wang, Jin Song Dong, Hong Mei

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Hao Wang, Xiaohui Bei

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Shudong Huang, Ivor W. Tsang, Zenglin Xu, Jiancheng Lv, Quanhui Liu

1835: From Good to Best: Two-Stage Training for Cross-Lingual Machine Reading Comprehension
Nuo Chen, Linjun Shou, Ming Gong, Jian Pei

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Wei Huang, Shiyu Deng, Chang Chen, Xueyang Fu, Zhiwei Xiong

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Ao Luo, Fan Yang, Kunming Luo, Xin Li, Haoqiang Fan, Shuaicheng Liu

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Haoran Xu, Xianyu Zhan, Xiangyu Zhu

1867: CMUA-Watermark: A Cross-Model Universal Adversarial Watermark for Combating Deepfakes
Hao Huang, Yongtao Wang, Zhaoyu Chen, Yuze Zhang, Yuheng Li, Zhi Tang, Wei Chu, Jingdong Chen, Weisi Lin, Kai-Kuang Ma

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Minjia Zhng, Niranjana Uma Naresh, Yuxiong He

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Zhenlin Wang, Jonathan Scarlett

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Suyuan Liu, Siwei Wang, Pei Zhang, Kai Xu, Xinwang Liu, Changwang Zhang, Feng Gao

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Yue He, Chen Chen, Jing Zhang, Juhua Liu, Fengxiang He, Chaoyue Wang, Bo Du

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Daniel Fišer, Alvaro Torralba, Jörg Hoffmann

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Huatian Zhang, Zhendong Mao, Kun Zhang, Yongdong Zhang

2032: Powering Finetuning for Few-Shot Learning: Domain-Agnostic Bias Reduction with Selected Sampling
Ran Tao, Han Zhang, Yutong Zheng, Marios Savvides

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Sayak Paul, Pin-Yu Chen

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Lukáš Chřpa, Pavel Rytíř, Rostislav Horčík, Stefan Edelkamp

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Juan Ramirez-Orta, Eduardo Xamena, Ana Maguitman, Evangelos Milios, Axel J. Soto

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Chuanqing Zhuang, Zhengda Lu, Yiqun Wang, Jun Xiao, Ying Wang

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Zhenqi Fu, Huangxing Lin, Yan Yang, Shu Chai, Liyan Sun, Yue Huang, Xinghao Ding

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Xiaodong Yu, Dahu Shi, Xing Wei, Ye Ren, Tingqun Ye, Wenming Tan

2102: Width & Depth Pruning for Vision Transformers
Fang Yu, Kun Huang, Meng Wang, Yuan Cheng, Wei Chu, Li Cui

2108: Explore Inter-Contrast between Videos via Composition for Weakly Supervised Temporal Sentence Grounding
Jiaming Chen, Weixin Luo, Wei Zhang, Lin Ma

2127: LaSSL: Label-Guided Self-Training for Semi-Supervised Learning
Zhen Zhao, Luping Zhou, Lei Wang, Yinghuan Shi, Yang Gao

2131: AdaptivePose: Human Parts as Adaptive Points
Yabo Xiao, Xiaojuan Wang, Dongdong Yu, Guoli Wang, Qian Zhang, Mingshu He

2134: Learning Quality-Aware Representation for Multi-Person Pose Regression
Yabo Xiao, Dongdong Yu, Xiaojuan Wang, Lei Jin, Guoli Wang, Qian Zhang

2136: Categorical Neighbour Correlation Coefficient (CnCor) for Detecting Relationships between Categorical Variables
Lifeng Zhang, Shimo Yang, Hongxun Jiang

2142: Learning Disentangled Attribute Representations for Robust Pedestrian Attribute Recognition
Jian Jia, Naiyu Gao, Fei He, Xiaotang Chen, Kaiqi Huang

2151: Texture Reformer: Towards Fast and Universal Interactive Texture Transfer
Zhizhong Wang, Lei Zhao, Haibo Chen, Ailin Li, Zhiwen Zuo, Wei Xing, Dongming Lu

2170: Deep Spatial Adaptive Network for Real Image Demosaicing
Tao Zhang, Ying Fu, Cheng Li

2171: Shape-Adaptive Selection and Measurement for Oriented Object Detection
Liping Hou, Ke Lu, Jian Xue, Yuqiu Li

2204: Imagine by Reasoning: A Reasoning-Based Implicit Semantic Data Augmentation for Long-Tailed Classification
Xiaohua Chen, Yucan Zhou, Dayan Wu, Wanqian Zhang, Yu Zhou, Bo Li, Weiping Wang

2208: Towards High-Fidelity Face Self-Occlusion Recovery via Multi-View Residual-Based GAN Inversion
Jinsong Chen, Hu Han, Shiguang Shan

2209: Cross-Species 3D Face Morphing via Alignment-Aware Controller
Xirui Yan, Zhenbo Yu, Bingbing Ni, Hang Wang

2213: OA-FSUI2IT: A Novel Few-Shot Cross Domain Object Detection Framework with Object-Aware Few-Shot Unsupervised Image-to-Image Translation
Lifan Zhao, Yunlong Meng, Lin Xu

2220: Anisotropic Fourier Features for Neural Image-Based Rendering and Relighting
Huangjie Yu, Anpei Chen, Xin Chen, Lan Xu, Ziyu Shao, Jingyi Yu

2239: Towards a Rigorous Evaluation of Time-Series Anomaly Detection
Siwon Kim, Kukjin Choi, Hyun-Soo Choi, Byunghan Lee, Sungroh Yoon

2243: Boosting Contrastive Learning with Relation Knowledge Distillation

Kai Zheng, Yuanjiang Wang, Ye Yuan

2244: Being Friends Instead of Adversaries: Deep Networks Learn from Data Simplified by Other Networks
Simone Marullo, Matteo Tiezzi, Marco Gori, Stefano Melacci

2245: Semi-Supervised Object Detection with Adaptive Class-Rebalancing Self-Training
Fangyuan Zhang, Tianxiang Pan, Bin Wang

2249: Reference-Guided Pseudo-Label Generation for Medical Semantic Segmentation
Constantin Seibold, Simon Reiß, Jens Kleesiek, Rainer Stiefelhagen

2266: Unbiased IoU for Spherical Image Object Detection
Feng Dai, Bin Chen, Hang Xu, Yike Ma, Xiaodong Li, Bailan Feng, Peng Yuan, Chenggang Yan, Qiang Zhao

2268: AlphaHoldem: High-Performance Artificial Intelligence for Heads-Up No-Limit Texas Hold'em from End-to-End Reinforcement Learning
Enmin Zhao, Renye Yan, Jinqiu Li, Kai Li, Junliang Xing

2269: Interact, Embed, and Enlarge (IEEE): Boosting Modality-Specific Representations for Multi-Modal Person Re-Identification
Zi Wang, Chenglong Li, Aihua Zheng, Ran He, Jin Tang

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Chi Wang, Yunke Zhang, Miaomiao Cui, Peiran Ren, Yin Yang, Xuansong Xie, Xian-Sheng Hua, Hujun Bao, Weiwei Xu

2291: Safe Distillation Box
Jingwen Ye, Yining Mao, Jie Song, Xinchao Wang, Cheng Jin, Mingli Song

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Wenyu Liu, Gaofeng Ren, Runsheng Yu, Shi Guo, Jianke Zhu, Lei Zhang

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Nicholas Hoernle, Rafael Michael Karampatsis, Vaishak Belle, Kobi Gal

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Haosen Yang, Wenhao Wu, Lining Wang, Sheng Jin, Boyang Xia, Hongxun Yao, Hujie Huang

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Aram Davtyan, Sepehr Sameni, Llukman Cerkezi, Givi Meishvili, Adam Bielski, Paolo Favaro

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Xianpeng Liu, Nan Xue, Tianfu Wu

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Ola Ahmad, Freddy Lecue

2376: Generalized Stochastic Matching
Alireza Farhadi, Jacob Gilbert, MohammadTaghi Hajiaghayi

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Chengxi Ye, Xiong Zhou, Tristan McKinney, Yanfeng Liu, Qinggang Zhou, Fedor Zhdanov

2389: MAPF-LNS2: Fast Repairing for Multi-Agent Path Finding via Large Neighborhood Search
Jiaoyang Li, Zhe Chen, Daniel Harabor, Peter J. Stuckey, Sven Koenig

2395: Anytime Guarantees Under Heavy-Tailed Data
Matthew J. Holland

2407: ProtGNN: Towards Self-Explaining Graph Neural Networks
Zaixi Zhang, Qi Liu, Hao Wang, Chengqiang Lu, CheeKong Lee

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Binjie Mao, Xinbang Zhang, Lingfeng Wang, Qian Zhang, Shiming Xiang, Chunhong Pan

2413: Topology-Aware Convolutional Neural Network for Efficient Skeleton-Based Action Recognition
Kailin Xu, Fanfan Ye, Qiaoyong Zhong, Di Xie

2430: Disentangled Spatiotemporal Graph Generative Model
Yuanqi Du, Xiaojie Guo, Hengning Cao, Yanfang Ye, Zhao Liang

2467: Restorable Image Operators with Quasi-Invertible Networks
Hao Ouyang, Tengfei Wang, Qifeng Chen

2485: Programmatic Modeling and Generation of Real-Time Strategic Soccer Environments for Reinforcement Learning
Abdus Salam Azad, Edward Kim, Mark Wu, Kimin Lee, Ion Stoica, Pieter Abbeel, Alberto Sangiovanni-Vincentelli, Sanjit Seshia

2489: Improving Evidential Deep Learning via Multi-Task Learning
Dongpin Oh, Bonggun Shin

2501: Local Surface Descriptor for Geometry and Feature Preserved Mesh Denoising
Wenbo Zhao, Xianming Liu, Junjun Jiang, Debin Zhao, Ge Li, Xiangyang Ji

2513: Adversarial Learning from Crowds
Pengpeng Chen, Hailong Sun, Yongqiang Yang, Zhijun Chen

2521: Few-Shot Cross-Lingual Stance Detection with Sentiment-Based Pre-Training
Momchil Hardalov, Arnav Arora, Preslav Nakov, Isabelle Augenstein

2524: Defending Against Model Stealing via Verifying Embedded External Features
Yiming Li, Linghui Zhu, Xiaojun Jia, Yong Jiang, Shu-Tao Xia, Xiaochun Cao

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Kaiwen Cui, Jiaying Huang, Zhipeng Luo, Gongjie Zhang, Fangneng Zhan, Shijian Lu

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Marco Valentino, Mokanarangan Thayaparan, Deborah Ferreira, André Freitas

2556: Sparse MLP for Image Recognition: Is Self-Attention Really Necessary?
Chuanxin Tang, Yucheng Zhao, Guangting Wang, Chong Luo, Wenxuan Xie, Wenjun Zeng

2566: Differentially Private Normalizing Flows for Synthetic Tabular Data Generation
Jaewoo Lee, Minjung Kim, Yonghyun Jeong, Youngmin Ro

2570: Meta-Learning for Online Update of Recommender Systems
Minseok Kim, Hwanjun Song, Yooju Shin, Dongmin Park, Kijung Shin, Jae-Gil Lee

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Argyrios Deligkas, Aris Filos Ratsikas, Alexandros A. Voudouris

2592: Federated Learning for Face Recognition with Gradient Correction
Yifan Niu, Weihong Deng

2598: Molecular Contrastive Learning with Chemical Element Knowledge Graph
Yin Fang, Qiang Zhang, Haihong Yang, Xiang Zhuang, Shumin Deng, Wen Zhang, Ming Qin, Zhuo Chen, Xiaohui Fan, Huajun Chen

2612: DeepType 2: Superhuman Entity Linking, All You Need Is Type Interactions
Jonathan Raiman

2617: Towards Accurate Facial Motion Retargeting with Identity-Consistent and Expression-Exclusive Constraints
Langyuan Mo, Haokun Li, Chaoyang Zou, Yubing Zhang, Ming Yang, Yihong Yang, Mingkui Tan

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Arthur Boixel, Ulle Endriss, Ronald de Haan

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Binhui Xie, Longhui Yuan, Shuang Li, Chi Harold Liu, Xinjing Cheng, Guoren Wang

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Kaiyi Zhang, Ximing Yang, Yuan Wu, Cheng Jin

2650: Discovering Interpretable Data-to-Sequence Generators
Boris Wiegand, Dietrich Klakow, Jilles Vreeken

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Sagar Malhotra, Luciano Serafini

2666: Theory of and Experiments on Minimally Invasive Stability Preservation in Changing Two-Sided Matching Markets
Niclas Boehmer, Klaus Heeger, Rolf Niedermeier

2669: DiPS: Differentiable Policy for Sketching in Recommender Systems
Aritra Ghosh, Saayan Mitra, Andrew Lan

2676: Event-Image Fusion Stereo Using Cross-Modality Feature Propagation
Hoonhee Cho, Kuk-Jin Yoon

2679: Bridging the Gap: Using Deep Acoustic Representations to Learn Grounded Language from Percepts and Raw Speech
Gaoussou Youssouf Kebe, Luke E. Richards, Edward Raff, Francis Ferraro, Cynthia Matuszek

2693: Adaptive and Universal Algorithms for Variational Inequalities with Optimal Convergence
Alina Ene, Huy L. Nguyen

2705: BERTMap: A BERT-Based Ontology Alignment System
Yuan He, Jiaoyan Chen, Denvar Antonyrajah, Ian Horrocks

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Kunpeng Li, Zizhao Zhang, Guanhang Wu, Xuehan Xiong, Chen-Yu Lee, Zhichao Lu, Yun Fu, Tomas Pfister

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Jishnu Ray Chowdhury, Yong Zhuang, Shuyi Wang

2724: Parameter Differentiation Based Multilingual Neural Machine Translation
Qian Wang, Jiajun Zhang

2735: Adversarial Training for Improving Model Robustness? Look at Both Prediction and Interpretation
Hanjie Chen, Yangfeng Ji

2742: Is There a Strongest Die in a Set of Dice with the Same Mean Pips?
Shang Lu, Shuji Kijima

2744: Efficient Non-Local Contrastive Attention for Image Super-Resolution
Bin Xia, Yucheng Hang, Yapeng Tian, Wenming Yang, Qingmin Liao, Jie Zhou

2754: Anytime Multi-Agent Path Finding via Machine Learning-Guided Large Neighborhood Search
Taoan Huang, Jiaoyang Li, Sven Koenig, Bistra Dilkina

2784: Self-Supervised Pre-Training for Protein Embeddings Using Tertiary Structures
Yuzhi Guo, Jiayang Wu, Hehuan Ma, Junzhou Huang

2785: XLM-K: Improving Cross-Lingual Language Model Pre-Training with Multilingual Knowledge
Xiaoze Jiang, Yaobo Liang, Weizhu Chen, Nan Duan

2818: PluGeN: Multi-Label Conditional Generation From Pre-Trained Models
Maciej Wołczyk, Magdalena Proszewska, Łukasz Maziarka, Maciej Zieba, Patryk Wielopolski, Rafał Kurczab, Marek Śmieja

2825: Construct Effective Geometry Aware Feature Pyramid Network for Multi-Scale Object Detection
Jinpeng Dong, Yuhao Huang, Songyi Zhang, Shitao Chen, Nanning Zheng

2830: Reforming an Envy-Free Matching
Takehiro Ito, Yuni Iwamasa, Naonori Kakimura, Naoyuki Kamiyama, Yusuke Kobayashi, Yuta Nozaki, Yoshio Okamoto, Kenta Ozeki

2838: Uncertainty-Driven Dehazing Network
Ming Hong, Jianzhuang Liu, Cuihua Li, Yanyun Qu

2853: Edge-Aware Guidance Fusion Network for RGB–Thermal Scene Parsing
Wujie Zhou, Shaohua Dong, Caie Xu, Yaguan Qian

2860: Adversarial Attack for Asynchronous Event-Based Data
WooJu Lee, Hyun Myung

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Zhenzhi Wang, Limin Wang, Tao Wu, Tianhao Li, Gangshan Wu

2865: PetsGAN: Rethinking Priors for Single Image Generation
Zicheng Zhang, Yinglu Liu, Congying Han, Hailin Shi, Tiande Guo, Bowen Zhou

2874: Combating Adversaries with Anti-Adversaries
Motasem Alfarra, Juan C. Pérez, Ali Thabet, Adel Bibi, Philip H.S. Torr, Bernard Ghanem

2897: "I Don't Think So": Summarizing Policy Disagreements for Agent Comparison
Yotam Amitai, Ofra Amir

2903: Unifying Model Explainability and Robustness for Joint Text Classification and Rationale Extraction
Dongfang Li, Baotian Hu, Qingcai Chen, Tujie Xu, Jingcong Tao, Yunan Zhang

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Salah Ghamizi, Maxime Cordy, Mike Papadakis, Yves Le Traon

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Pietro Barbiero, Gabriele Ciravegna, Francesco Giannini, Pietro Lió, Marco Gori, Stefano Melacci

2944: DeTarNet: Decoupling Translation and Rotation by Siamese Network for Point Cloud Registration
Zhi Chen, Fan Yang, Wenbing Tao

2951: Diagnostics-Guided Explanation Generation
Pepa Atanasova, Jakob Grue Simonsen, Christina Lioma, Isabelle Augenstein

2955: SECRET: Self-Consistent Pseudo Label Refinement for Unsupervised Domain Adaptive Person Re-Identification
Tao He, Leqi Shen, Yuchen Guo, Guiguang Ding, Zhenhua Guo

2972: VECA: A New Benchmark and Toolkit for General Cognitive Development
Kwanyoung Park, Hyunseok Oh, Youngki Lee

2999: Optimal Admission Control for Multiclass Queues with Time-Varying Arrival Rates via State Abstraction
Marc Rigter, Danial Dervovic, Parisa Hassanzadeh, Jason Long, Parisa Zehtabi, Daniele Magazzeni

3013: Learngene: From Open-World to Your Learning Task
Qiufeng Wang, Xin Geng, Shuxia Lin, Shiyu Xia, Lei Qi, Ning Xu

3014: Stage Conscious Attention Network (SCAN) : A Demonstration-Conditioned Policy for Few-Shot Imitation
Jia-Fong Yeh, Chi-Ming Chung, Hung-Ting Su, Yi-Ting Chen, Winston H. Hsu

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Xuwei Qian, Renlong Hang, Qingshan Liu

3051: Deconfounding Physical Dynamics with Global Causal Relation and Confounder Transmission for Counterfactual Prediction
Zongzhao Li, Xiangyu Zhu, Zhen Lei, Zhaoxiang Zhang

3056: Self-Supervised Category-Level 6D Object Pose Estimation with Deep Implicit Shape Representation
Wanli Peng, Jianhang Yan, Hongtao Wen, Yi Sun

3059: Flexible Instance-Specific Rationalization of NLP Models
George Chrysostomou, Nikolaos Aletras

3061: Multi-Unit Auction in Social Networks with Budgets
Mingyu Xiao, Yuchao Song, Bakh Khoussainov

3071: Explainable Planner Selection for Classical Planning
Patrick Ferber, Jendrik Seipp

3082: Gradient Flow in Sparse Neural Networks and How Lottery Tickets Win

Utku Evci, Yann Dauphin, Yani Ioannou, Cem Keskin

3102: Optimal Sampling Gaps for Adaptive Submodular Maximization
Shaojie Tang, Jing Yuan

3119: PlanVerb: Domain-Independent Verbalization and Summary of Task Plans
Gerard Canal, Senka Krivić, Paul Luff, Andrew Coles

3124: Deep Recurrent Neural Network with Multi-Scale Bi-Directional Propagation for Video Deblurring
Chao Zhu, Hang Dong, Jinshan Pan, Boyang Liang, Yuhao Huang, Lean Fu, Fei Wang

3139: Interpretable Clustering via Multi-Polytope Machines
Connor Lawless, Jayant Kalagnanam, Lam M. Nguyen, Dzung Phan, Chandra Reddy

3147: Towards To-a-T Spatio-Temporal Focus for Skeleton-Based Action Recognition
Lipeng Ke, Kuan-Chuan Peng, Siwei Lyu

3165: BATUDE: Budget-Aware Neural Network Compression Based on Tucker Decomposition
Miao Yin, Huy Phan, Xiao Zang, Siyu Liao, Bo yuan

3174: NAREOR: The Narrative Reordering Problem
Varun Gangal, Steven Y. Feng, Malihe Alikhani, Teruko Mitamura, Eduard Hovy

3206: Planning with Explanations for Finding Desired Meeting Points on Graphs
Keisuke Otaki

3207: Algorithmic Bayesian Persuasion with Combinatorial Actions
Kaito Fujii, Shinsaku Sakaue

3210: Not All Parameters Should be Treated Equally: Deep Safe Semi-Supervised Learning under Class Distribution Mismatch
Rundong He, Zhongyi Han, Yang Yang, Yilong Yin

3237: Gaussian Process Bandits with Aggregated Feedback
Mengyan Zhang, Russell Tsuchida, Cheng Soon Ong

3251: Towards Discriminant Analysis Classifiers Using Online Active Learning via Myoelectric Interfaces
Andrés G Jaramillo-Yáñez, Marco E. Benalcázar, Sebastian Sardina, Fabio Zambetta

3269: SJDL-Vehicle: Semi-Supervised Joint Defogging Learning for Foggy Vehicle Re-Identification
Wei-Ting Chen, I-Hsiang Chen, Chih-Yuan Yeh, Hao-Hsiang Yang, Jian-Jiun Ding, Sy-Yen Kuo

3289: Model Doctor: A Simple Gradient Aggregation Strategy for Diagnosing and Treating CNN Classifiers
Zunlei Feng, Jiacong Hu, Sai Wu, Xiaotian Yu, Jie Song, Mingli Song

3292: Mind the Gap: Cross-Lingual Information Retrieval with Hierarchical Knowledge Enhancement
Fuwei Zhang, Zhao Zhang, Xiang Ao, Dehong Gao, Fuzhen Zhuang, Yi Wei, Qing He

3295: Multi-Dimensional Prediction of Guild Health in Online Games: A Stability-Aware Multi-Task Learning Approach
Chuang Zhao, Hongke Zhao, Runze Wu, Qilin Deng, Yu Ding, Jianrong Tao, Changjie Fan

3296: Fully Adaptive Framework: Neural Computerized Adaptive Testing for Online Education
Yan Zhuang, Qi Liu, Zhenya Huang, Zhi Li, Shuanghong Shen, Haiping Ma

3312: Powerful Graph Convolutional Networks with Adaptive Propagation Mechanism for Homophily and Heterophily

Tao Wang, Rui Wang, Di Jin, Dongxiao He, Yuxiao Huang

3317: FInfer: Frame Inference-Based Deepfake Detection for High-Visual-Quality Videos

Juan Hu, Xin Liao, Jinwen Liang, Wenbo Zhou, Zheng Qin

3319: Deeply Tensor Compressed Transformers for End-to-End Object Detection

Peining Zhen, Ziyang Gao, Tianshu Hou, Yuan Cheng, Hai-Bao Chen

3329: Lifelong Person Re-Identification by Pseudo Task Knowledge Preservation

Wenhang Ge, Junlong Du, Ancong Wu, Yuqiao Xian, Ke Yan, Feiyue Huang, Wei-Shi Zheng

3332: Extended Goal Recognition Design with First-Order Computation Tree Logic

Tsz-Chiu Au

3333: Semi-Supervised Conditional Density Estimation with Wasserstein Laplacian Regularisation

Olivier Graffeuille, Yun Sing Koh, Jörg Wicker, Moritz Lehmann

3345: Consistency Regularization for Adversarial Robustness

Jihoon Tack, Sihyun Yu, Jongheon Jeong, Minseon Kim, Sung Ju Hwang, Jinwoo Shin

3350: AFDetV2: Rethinking the Necessity of the Second Stage for Object Detection from Point Clouds

Yihan Hu, Zhuangzhuang Ding, Runzhou Ge, Wenxin Shao, Li Huang, Kun Li, Qiang Liu

3353: Robust Graph-Based Multi-View Clustering

Weixuan Liang, Xinwang Liu, Sihang Zhou, Jiyuan Liu, Siwei Wang, En Zhu

3364: Co-Promotion Predictions of Financing Market and Sales Market: A Cooperative-Competitive Attention Approach

Lei Zhang, Xiang Wang, Chuang Zhao, Hongke Zhao, Rui Li, Runze Wu

3385: HoD-Net: High-Order Differentiable Deep Neural Networks and Applications

Siyuan Shen, Tianjia Shao, Kun Zhou, Chenfanfu Jiang, Feng Luo, Yin Yang

3397: TA2N: Two-Stage Action Alignment Network for Few-Shot Action Recognition

Shuyuan Li, Huabin Liu, Rui Qian, Yuxi Li, John See, Mengjuan Fei, Xiaoyuan Yu, Weiyao Lin

3438: On Paraconsistent Belief Revision in LP

Nicolas Schwind, Sébastien Konieczny, Ramón Pino-Pérez

3439: Learning to Predict 3D Lane Shape and Camera Pose from a Single Image via Geometry Constraints

Ruijin Liu, Dapeng Chen, Zejian Yuan, Tie Liu, Zhiliang Xiong

3443: From Dense to Sparse: Contrastive Pruning for Better Pre-Trained Language Model Compression

Runxin Xu, Fuli Luo, Chengyu Wang, Baobao Chang, Jun Huang, Songfang Huang, Fei Huang

3461: Go Wider Instead of Deeper

Fuzhao Xue, Ziji Shi, Futao Wei, Yuxuan Lou, Yong Liu, Yang You

3477: Classical Planning with Avoid Conditions

Marcel Steinmetz, Jörg Hoffmann, Alisa Kovtunova, Stefan Borgwardt

3482: Pretrained Cost Model for Distributed Constraint Optimization Problems
Yanchen Deng, Shufeng Kong, Bo An

3484: Verification of Neural-Network Control Systems by Integrating Taylor Models and Zonotopes
Christian Schilling, Marcelo Forets, Sebastián Guadalupe

3496: GearNet: Stepwise Dual Learning for Weakly Supervised Domain Adaptation
Renchunzi Xie, Hongxin Wei, Lei Feng, Bo An

3507: Lifelong Hyper-Policy Optimization with Multiple Importance Sampling Regularization
Pierre Liotet, Francesco Vidaich, Alberto Maria Metelli, Marcello Restelli

3514: Joint 3D Object Detection and Tracking Using Spatio-Temporal Representation of Camera Image and LiDAR Point Clouds
Junho Koh, Jaekyum Kim, Jin Hyeok Yoo, Yecheol Kim, Dongsuk Kum, Jun Won Choi

3517: Single-Agent Dynamics in Additively Separable Hedonic Games
Felix Brandt, Martin Bullinger, Leo Tappe

3529: Barely-Supervised Learning: Semi-Supervised Learning with very few Labeled Images
Thomas Lucas, Philippe Weinzaepfel, Gregory Rogez

3550: Detail-Preserving Transformer for Light Field Image Super-Resolution
Shunzhou Wang, Tianfei Zhou, Yao Lu, Huijun Di

3574: DIRM: Domain-Invariant Representation Learning for Generalizable Semantic Segmentation
Qi Xu, Liang Yao, Zhengkai Jiang, Guannan Jiang, Wenqing Chu, Wenhui Han, Wei Zhang, Chengjie Wang, Ying Tai

3592: Transformer Uncertainty Estimation with Hierarchical Stochastic Attention
Jiahuan Pei, Cheng Wang, Gyorgy Szarvas

3594: Boosting the Transferability of Video Adversarial Examples via Temporal Translation
Zhipeng Wei, Jingjing Chen, Zuxuan Wu, Yu-Gang Jiang

3596: Towards Transferable Adversarial Attacks on Vision Transformers
Zhipeng Wei, Jingjing Chen, Micah Goldblum, Zuxuan Wu, Tom Goldstein, Yu-Gang Jiang

3607: Episodic Policy Gradient Training
Hung Le, Majid Abdolshah, Thommen K. George, Kien Do, Dung Nguyen, Svetha Venkatesh

3608: On the Efficacy of Small Self-Supervised Contrastive Models without Distillation Signals
Haizhou Shi, Youcai Zhang, Siliang Tang, Wenjie Zhu, Yaqian Li, Yandong Guo, Yueting Zhuang

3611: Gradient Based Activations for Accurate Bias-Free Learning
Vinod K. Kurmi, Rishabh Sharma, Yash Vardhan Sharma, Vinay P Namboodiri

3612: Reinforcement Learning of Causal Variables Using Mediation Analysis
Tue Herlau, Rasmus Larsen

3615: Debiased Batch Normalization via Gaussian Process for Generalizable Person Re-Identification
Jiawei Liu, Zhipeng Huang, Liang Li, Kecheng Zheng, Zheng-Jun Zha

3629: Stochastic Planner-Actor-Critic for Unsupervised Deformable Image Registration
Ziwei Luo, Jing Hu, Xin Wang, Shu Hu, Bin Kong, Youbing Yin, Qi Song, Xi Wu, Siwei Lyu

3637: EqGNN: Equalized Node Opportunity in Graphs
Uriel Singer, Kira Radinsky

3643: Low-Pass Graph Convolutional Network for Recommendation
Wenhui Yu, Zixin Zhang, Zheng Qin

3671: Deconfounded Visual Grounding
Jianqiang Huang, Yu Qin, Jiaxin Qi, Qianru Sun, Hanwang Zhang

3675: Hybrid Instance-Aware Temporal Fusion for Online Video Instance Segmentation
Xiang Li, Jinglu Wang, Xiao Li, Yan Lu

3681: Optimized Potential Initialization for Low-Latency Spiking Neural Networks
Tong Bu, Jianhao Ding, Zhaofei Yu, Tiejun Huang

3684: Neural Marionette: Unsupervised Learning of Motion Skeleton and Latent Dynamics from Volumetric Video
Jinseok Bae, Hojun Jang, Cheol-Hui Min, Hyungun Choi, Young Min Kim

3693: TAG: Learning Timed Automata from Logs
Lénaïg Cornanguer, Christine Largouët, Alexandre Termier, Laurence Rozé

3696: The Effect of Manifold Entanglement and Intrinsic Dimensionality on Learning
Daniel Kienitz, Ekaterina Komendantskaya, Michael Lones

3698: Secretary Matching with Vertex Arrivals and No Rejections
Mohak Goyal

3703: Model-Based Image Signal Processors via Learnable Dictionaries
Marcos V. Conde, Steven McDonagh, Matteo Maggioni, Aleš Leonardis, Eduardo Pérez-Pellitero

3711: Reference-Based Speech Enhancement via Feature Alignment and Fusion Network
Huanjing Yue, Wenxin Duo, Jingyu Yang

3715: Flow-Based Unconstrained Lip to Speech Generation
Jinzheng He, Zhou Zhao, Yi Ren, Jinglin Liu, Baoxing Huai, Nicholas Yuan

3727: Style-Guided and Disentangled Representation for Robust Image-to-Image Translation
Jaewoong Choi, Daeha Kim, Byung Cheol Song

3733: NSGZero: Efficiently Learning Non-Exploitable Policy in Large-Scale Network Security Games with Neural Monte Carlo Tree Search
Wanqi Xue, Bo An, Chai Kiat Yeo

3734: Reinforcement Learning with Stochastic Reward Machines
Jan Corazza, Ivan Gavran, Daniel Neider

3740: On the Impossibility of Non-Trivial Accuracy in Presence of Fairness Constraints
Carlos Pinzón, Catuscia Palamidessi, Pablo Piantanida, Frank Valencia

3743: Inference and Learning with Model Uncertainty in Probabilistic Logic Programs
Victor Verreet, Vincent Derkinderen, Pedro Zuidberg Dos Martires, Luc De Raedt

3748: Listwise Learning to Rank Based on Approximate Rank Indicators

Thibaut Thonet, Yagmur Gizem Cinar, Eric Gaussier, Minghan Li, Jean-Michel Renders

3754: BROS: A Pre-Trained Language Model Focusing on Text and Layout for Better Key Information Extraction from Documents

Teakgyu Hong, Donghyun Kim, Mingi Ji, Wonseok Hwang, Daehyun Nam, Sungrae Park

3759: Idiomatic Expression Paraphrasing without Strong Supervision

Jianing Zhou, Ziheng Zeng, Hongyu Gong, Suma Bhat

3760: TLogic: Temporal Logical Rules for Explainable Link Forecasting on Temporal Knowledge Graphs

Yushan Liu, Yunpu Ma, Marcel Hildebrandt, Mitchell Joblin, Volker Tresp

3773: Optimizing Binary Decision Diagrams with MaxSAT for classification

Hao Hu, Mohamed Siala, Marie-José Huguet

3794: Strictly Proper Contract Functions Can Be Arbitrage-Free

Eric Neyman, Tim Roughgarden

3798: Online Certification of Preference-Based Fairness for Personalized Recommender Systems

Virginie Do, Sam Corbett-Davies, Jamal Atif, Nicolas Usunier

3802: Maximizing Nash Social Welfare in 2-Value Instances

Hannaneh Akrami, Bhaskar Ray Chaudhury, Martin Hoefer, Kurt Mehlhorn, Marco Schmalhofer, Golnoosh Shahkarami, Giovanna Varricchio, Quentin Vermande, Ernest van Wijland

3803: Convolutional Neural Network Compression Through Generalized Kronecker Product Decomposition

Marawan Gamal Abdel Hameed, Marzieh Tahaei, Ali Mosleh, Vahid Partovi Nia

3808: SimSR: Simple Distance-Based State Representations for Deep Reinforcement Learning

Hongyu Zang, Xin Li, Mingzhong Wang

3816: Homomorphisms of Lifted Planning Tasks: The Case for Delete-Free Relaxation Heuristics

Rostislav Horčík, Daniel Fišer, Alvaro Torralba

3820: Fast Approximations for Job Shop Scheduling: A Lagrangian Dual Deep Learning Method

James Kotary, Ferdinando Fioretto, Pascal Van Hentenryck

3825: Reinforcement Learning Augmented Asymptotically Optimal Index Policy for Finite-Horizon Restless Bandits

Guojun Xiong, Jian Li, Rahul Singh

3830: Discovering State and Action Abstractions for Generalized Task and Motion Planning

Aidan Curtis, Tom Silver, Joshua B. Tenenbaum, Tomas Lozano-Perez, Leslie Pack Kaelbling

3833: Certified Robustness of Nearest Neighbors Against Data Poisoning and Backdoor Attacks

Jinyuan Jia, Yupei Liu, Xiaoyu Cao, Neil Zhenqiang Gong

3834: Chaining Value Functions for Off-Policy Learning

Simon Schmitt, John Shawe-Taylor, Hado van Hasselt

3836: Towards Automating Model Explanations with Certified Robustness Guarantees

Mengdi Huai, Jinduo Liu, Chenglin Miao, Liuyi Yao, Aidong Zhang

3838: Stackelberg Actor-Critic: Game-Theoretic Reinforcement Learning Algorithms

Liyuan Zheng, Tanner Fiez, Zane Alumbaugh, Benjamin Chasnov, Lillian J. Ratliff

3848: Semantic Parsing in Task-Oriented Dialog with Recursive Insertion-Based Encoder
Elman Mansimov, Yi Zhang

3863: Entailment Relation Aware Paraphrase Generation
Abhilasha Sancheti, Rachel Rudinger, Balaji Vasani Srinivasan

3872: CLPA: Clean-Label Poisoning Availability Attacks Using Generative Adversarial Nets
Bingyin Zhao, Yingjie Lao

3877: Adaptive Kernel Graph Neural Network
Mingxuan Ju, Shifu Hou, Yujie Fan, Jianan Zhao, Yanfang Ye, Liang Zhao

3879: MeTeoR: Practical Reasoning in Datalog with Metric Temporal Operators
Dingmin Wang, Pan Hu, Przemysław Andrzej Wałęga, Bernardo Cuenca Grau

3880: Axiomatization of Aggregates in Answer Set Programming
Jorge Fandinno, Zach Hansen, Yuliya Lierler

3882: Semantic Self-Segmentation for Abstractive Summarization of Long Legal Documents in Low-Resource Regimes
Gianluca Moro, Luca Ragazzi

3889: Efficient Optimal Transport Algorithm by Accelerated Gradient Descent
Dongsheng An, Na Lei, Xiaoyin Xu, Xianfeng Gu

3890: Hierarchical Context Tagging for Utterance Rewriting
Lisa Jin, Linfeng Song, Lifeng Jin, Dong Yu, Daniel Gildea

3898: Preemptive Image Robustification for Protecting Users Against Man-in-the-Middle Adversarial Attacks
Seungyong Moon, Gaon An, Hyun Oh Song

3901: DeepAuth: A DNN Authentication Framework by Model-Unique and Fragile Signature Embedding
Yingjie Lao, Weijie Zhao, Peng Yang, Ping Li

3902: Learning and Dynamical Models for Sub-Seasonal Climate Forecasting: Comparison and Collaboration
Sijie He, Xinyan Li, Laurie Trenary, Benjamin A. Cash, Timothy DelSole, Arindam Banerjee

3912: Selecting Optimal Context Sentences for Event-Event Relation Extraction
Hieu Man Duc Trong, Nghia Ngo Trung, Linh Van Ngo, Thien Huu Nguyen

3913: Provable Guarantees for Understanding Out-of-distribution Detection
Peyman Morteza, Yixuan Li

3917: Decision-Dependent Risk Minimization in Geometrically Decaying Dynamic Environments
Mitas Ray, Lillian J. Ratliff, Dmitriy Drusvyatskiy, Maryam Fazel

3918: Achieving Long-Term Fairness in Sequential Decision Making
Yaowei Hu, Lu Zhang

3921: Cosine Model Watermarking Against Ensemble Distillation
Laurent Charette, Lingyang Chu, Yizhou Chen, Lanjun Wang, Jian Pei, Yong Zhang

3922: QUILT: Effective Multi-Class Classification on Quantum Computers Using an Ensemble of Diverse Quantum Classifiers

Daniel Silver, Tirthak Patel, Devesh Tiwari

3933: Sequential Blocked Matching

Nicholas Bishop, Hau Chan, Debmalya Mandal, Long Tran-Thanh

3938: Context-Specific Representation Abstraction for Deep Option Learning

Marwa Abdulhai, Dong-Ki Kim, Matthew Riemer, Miao Liu, Gerald Tesauero, Jonathan P. How

3954: MAGIC: Multimodal relational Graph adversarial inference for Diverse and Unpaired Text-Based Image Captioning

Wenqiao Zhang, Haochen Shi, Jiannan Guo, Shengyu Zhang, Qingpeng Cai, Juncheng Li, Sihui Luo, Yueting Zhuang

3968: MDPGT: Momentum-Based Decentralized Policy Gradient Tracking

Zhanhong Jiang, Xian Yeow Lee, Sin Yong Tan, Kai Liang Tan, Aditya Balu, Young M. Lee, Chinmay Hegde, Soumik Sarkar

3973: Keypoint Message Passing for Video-Based Person Re-Identification

Di Chen, Andreas Döring, Shanshan Zhang, Jian Yang, Juergen Gall, Bernt Schiele

3996: Partial Multi-Label Learning via Large Margin Nearest Neighbour Embeddings

Xiuwen Gong, Dong Yuan, Wei Bao

3999: Simple Unsupervised Graph Representation Learning

Yujie Mo, Liang Peng, Jie Xu, Xiaoshuang Shi, Xiaofeng Zhu

4001: Contrast-Enhanced Semi-Supervised Text Classification with Few Labels

Austin Cheng-Yun Tsai, Sheng-Ya Lin, Li-Chen Fu

4008: Perceptual Quality Assessment of Omnidirectional Images

Yuming Fang, Liping Huang, Jiebin Yan, Xuelin Liu, Yang Liu

4013: Clinical-BERT: Vision-Language Pre-Training for Radiograph Diagnosis and Reports Generation

Bin Yan, Mingtao Pei

4026: Enhancing Column Generation by a Machine-Learning-Based Pricing Heuristic for Graph Coloring

Yunzhuang Shen, Yuan Sun, Xiaodong Li, Andrew Eberhard, Andreas Ernst

4030: Self-Supervised Graph Neural Networks via Diverse and Interactive Message Passing

Liang Yang, Chuan Wang, Xiaochun Cao, Junhua Gu, Bingxin Niu, Yuanfang Guo, Weixun Li, Cheng Chen, Dongxiao He

4043: Two-Stage Octave Residual Network for End-to-End Image Compression

Fangdong Chen, Yumeng Xu, Li Wang

4044: SimIPU: Simple 2D Image and 3D Point Cloud Unsupervised Pre-Training for Spatial-Aware Visual Representations

Zhenyu Li, Zehui Chen, Ang Li, Liangji Fang, Qinrong Jiang, Xianming Liu, Junjun Jiang, Bolei Zhou, Hang Zhao

4086: Static-Dynamic Co-Teaching for Class-Incremental 3D Object Detection

Na Zhao, Gim Hee Lee

4099: Pose Guided Image Generation from Misaligned Sources via Residual Flow Based Correction

Jiawei Lu, He Wang, Tianjia Shao, Yin Yang, Kun Zhou

4116: Learning to Detect 3D Facial Landmarks via Heatmap Regression with Graph Convolutional Network
Yuan Wang, Min Cao, Zhenfeng Fan, Silong Peng

4132: Enhancing Pseudo Label Quality for Semi-Supervised Domain-Generalized Medical Image Segmentation
Huifeng Yao, Xiaowei Hu, Xiaomeng Li

4134: Incorporating Constituent Syntax for Coreference Resolution
Fan Jiang, Trevor Cohn

4138: Supervising Model Attention with Human Explanations for Robust Natural Language Inference
Joe Stacey, Yonatan Belinkov, Marek Rei

4140: An Efficient Combinatorial Optimization Model Using Learning-to-Rank Distillation
Honguk Woo, Hyunsung Lee, Sangwoo Cho

4151: Training Robust Deep Models for Time-Series Domain: Novel Algorithms and Theoretical Analysis
Taha Belkhouja, Yan Yan, Janardhan Rao Doppa

4152: Structural Landmarking and Interaction Modelling: A “SLIM” Network for Graph Classification
Yaokang Zhu, Kai Zhang, Jun Wang, Haibin Ling, Jie Zhang, Hongyuan Zha

4167: DeepThermal: Combustion Optimization for Thermal Power Generating Units Using Offline Reinforcement Learning
Xianyuan Zhan, Haoran Xu, Yue Zhang, Xiangyu Zhu, Honglei Yin, Yu Zheng

4174: Modeling Attrition in Recommender Systems with Departing Bandits
Omer Ben-Porat, Lee Cohen, Liu Leqi, Zachary C. Lipton, Yishay Mansour

4178: A Novel Approach to Solving Goal-Achieving Problems for Board Games
Chung-Chin Shih, Ti-Rong Wu, Ting Han Wei, I-Chen Wu

4189: Structure Learning-Based Task Decomposition for Reinforcement Learning In Non-Stationary Environments
Honguk Woo, Gwangpyo Yoo, Minjong Yoo

4195: Improved Maximin Guarantees for Subadditive and Fractionally Subadditive Fair Allocation Problem
Masoud Seddighin, Saeed Seddighin

4197: DiffSinger: Singing Voice Synthesis via Shallow Diffusion Mechanism
Jinglin Liu, Chengxi Li, Yi Ren, Feiyang Chen, Zhou Zhao

4203: Neighborhood Consensus Contrastive Learning for Backward-Compatible Representation
Shengsen Wu, Liang Chen, Yihang Lou, Yan Bai, Tao Bai, Minghua Deng, Ling-yu Duan

4208: Boosting Generative Zero-Shot Learning by Synthesizing Diverse Features with Attribute Augmentation
Xiaojie Zhao, Yuming Shen, Shidong Wang, Haofeng Zhang

4217: Parameterized Approximation Algorithms for k-Center Clustering and Variants
Sayan Bandyapadhyay, Zachary Friggstad, Ramin Mousavi

4218: Semantically Contrastive Learning for Low-Light Image Enhancement
Dong Liang, Ling Li, Mingqiang Wei, Shuo Yang, Liyan Zhang, Wenhan Yang, Yun Du, Huiyu Zhou

4230: Generative Adaptive Convolutions for Real-World Noisy Image Denoising
Ruijun Ma, Shuyi Li, Bob Zhang, Zhengming Li

4236: A Self-Supervised Mixed-Curvature Graph Neural Network
Li Sun, Zhongbao Zhang, Junda Ye, Hao Peng, Jiawei Zhang, Sen Su, Philip S. Yu

4252: Panini-Net: GAN Prior Based Degradation-Aware Feature Interpolation for Face Restoration
Yinhuai Wang, Yujie Hu, Jian Zhang

4254: HNO: High-Order Numerical Architecture for ODE-Inspired Deep Unfolding Networks
Lin Kong, Wei Sun, Fanhua Shang, Yuanyuan Liu, Hongying Liu

4265: Learning Aligned Cross-Modal Representation for Generalized Zero-Shot Classification
Zhiyu Fang, Xiaobin Zhu, Chun Yang, Zheng Han, Xu-Cheng Yin, Jingyan Qin

4268: Tight Neural Network Verification via Semidefinite Relaxations and Linear Reformulations
Jianglin Lan, Alessio Lomuscio, Yang Zheng

4283: Multi-Modal Perception Attention Network with Self-Supervised Learning for Audio-Visual Speaker Tracking
Yidi Li, Hong Liu, Hao Tang

4288: Reliable Propagation-Correction Modulation for Video Object Segmentation
Xiaohao Xu, Jinglu Wang, Xiao Li, Yan Lu

4289: Towards Explainable Action Recognition by Salient Qualitative Spatial Object Relation Chains
Hua Hua, Dongxu Li, Ruiqi Li, Peng Zhang, Jochen Renz, Anthony Cohn

4309: Anisotropic Additive Quantization for Fast Inner Product Search
Jin Zhang, Qi Liu, Defu Lian, Zheng Liu, Le Wu, Enhong Chen

4315: Shrinking Temporal Attention in Transformers for Video Action Recognition
Bonan Li, Pengfei Xiong, Congying Han, Tiande Guo

4316: CoCoS: Enhancing Semi-Supervised Learning on Graphs with Unlabeled Data via Contrastive Context Sharing
Siyue Xie, Da Sun Handason Tam, Wing Cheong Lau

4327: Parallel and High-Fidelity Text-to-Lip Generation
Jinglin Liu, Zhiying Zhu, Yi Ren, Wencan Huang, Baoxing Huai, Nicholas Yuan, Zhou Zhao

4330: Chunk Dynamic Updating for Group Lasso with ODEs
Diyang Li, Bin Gu

4332: DialogLM: Pre-Trained Model for Long Dialogue Understanding and Summarization
Ming Zhong, Yang Liu, Yichong Xu, Chenguang Zhu, Michael Zeng

4337: Spatio-Temporal Recurrent Networks for Event-Based Optical Flow Estimation
Ziluo Ding, Rui Zhao, Jiyuan Zhang, Tianxiao Gao, Ruiqin Xiong, Zhaofei Yu, Tiejun Huang

4344: BiRdQA: A Bilingual Dataset for Question Answering on Tricky Riddles
Yunxiang Zhang, Xiaojun Wan

4346: Category-Specific Nuance Exploration Network for Fine-Grained Object Retrieval
Shijie Wang, Zhihui Wang, Haojie Li, Wanli Ouyang

4355: Robust Depth Completion with Uncertainty-Driven Loss Functions
Yufan Zhu, Weisheng Dong, Leida Li, Jinjian Wu, Xin Li, Guangming Shi

4362: MS-HGAT: Memory-Enhanced Sequential Hypergraph Attention Network for Information Diffusion Prediction
Ling Sun, Yuan Rao, Xiangbo Zhang, Yuqian Lan, Shuanghe Yu

4376: Same State, Different Task: Continual Reinforcement Learning without Interference
Samuel Kessler, Jack Parker-Holder, Philip Ball, Stefan Zohren, Stephen J. Roberts

4380: Deepfake Network Architecture Attribution
Tianyun Yang, Ziyao Huang, Juan Cao, Lei Li, Xirong Li

4389: InfoLM: A New Metric to Evaluate Summarization & Data2Text Generation
Pierre Colombo, Chloé Clavel, Pablo Piantanida

4402: Towards Bridging Sample Complexity and Model Capacity
Shibin Mei, Chenglong Zhao, Shengchao Yuan, Bingbing Ni

4420: Two Compacted Models for Efficient Model-Based Diagnosis
Huisi Zhou, Dantong Ouyang, Xiangfu Zhao, Liming Zhang

4426: Hierarchical Cross-Modality Semantic Correlation Learning Model for Multimodal Summarization
Litian Zhang, Junshu Pan, Xiaoming Zhang, Feiran Huang

4442: Learning from the Dark: Boosting Graph Convolutional Neural Networks with Diverse Negative Samples
Wei Duan, Junyu Xuan, Maoying Qiao, Jie Lu

4470: Complexity of Deliberative Coalition Formation
Edith Elkind, Abheek Ghosh, Paul Goldberg

4484: Word Level Robustness Enhancement: Fight Perturbation with Perturbation
Pei Huang, Yuting Yang, Fuqi Jia, Minghao Liu, FeiFei Ma, Jian Zhang

4485: Learning from Label Proportions with Prototypical Contrastive Clustering
Laura Elena Cue la Rosa, Dario Augusto Borges Oliveira

4486: On the Impact of Spurious Correlation for Out-of-Distribution Detection
Yifei Ming, Yin Hang, Yixuan Li

4538: Activation Modulation and Recalibration Scheme for Weakly Supervised Semantic Segmentation
Jie Qin, Jie Wu, Xuefeng Xiao, Lujun Li, Xingang Wang

4546: Inferring Prototypes for Multi-Label Few-Shot Image Classification with Word Vector Guided Attention
Kun Yan, Chenbin Zhang, Jun Hou, Ping Wang, Zied Bouraoui, Shoaib Jameel, Steven Schockaert

4556: Uncertainty Estimation via Response Scaling for Pseudo-Mask Noise Mitigation in Weakly-Supervised Semantic Segmentation
Yi Li, Yiqun Duan, Zhanghui Kuang, Yimin Chen, Wayne Zhang, Xiaomeng Li

4559: Evidential Neighborhood Contrastive Learning for Universal Domain Adaptation
Liang Chen, Yihang Lou, Jianzhong He, Tao Bai, Minghua Deng

4566: Coarse-to-Fine Generative Modeling for Graphic Layouts
Zhaoyun Jiang, Shizhao Sun, Jihua Zhu, Jian-Guang Lou, Dongmei Zhang

4569: Learning to Walk with Dual Agents for Knowledge Graph Reasoning
Denghui Zhang, Zixuan Yuan, Hao Liu, Xiaodong Lin, Hui Xiong

4597: Finding Nontrivial Minimum Fixed Points in Discrete Dynamical Systems: Complexity, Special Case Algorithms and Heuristics
Zirou Qiu, Chen Chen, Madhav V. Marathe, S. S. Ravi, Daniel J. Rosenkrantz, Richard E. Stearns, Anil Vullikanti

4599: SpreadGNN: Decentralized Multi-Task Federated Learning for Graph Neural Networks on Molecular Data
Chaoyang He, Emir Ceyani, Keshav Balasubramanian, Murali Annavam, Salman Avestimehr

4600: A Dynamic Meta-Learning Model for Time-Sensitive Cold-Start Recommendations
Krishna Prasad Neupane, Ervine Zheng, Yu Kong, Qi Yu

4608: Fast Sparse Decision Tree Optimization via Reference Ensembles
Hayden McTavish, Chudi Zhong, Reto Achermann, Ilias Karimalis, Jacques Chen, Cynthia Rudin, Margo Seltzer

4609: Batch Active Learning with Graph Neural Networks via Multi-Agent Deep Reinforcement Learning
Yuheng Zhang, Hanghang Tong, Yinglong Xia, Yan Zhu, Yuejie Chi, Lei Ying

4610: Learning Temporally and Semantically Consistent Unpaired Video-to-Video Translation through Pseudo-Supervision from Synthetic Optical Flow
Kaihong Wang, Kumar Akash, Teruhisa Misu

4620: Leashing the Inner Demons: Self-Detoxification for Language Models
Canwen Xu, Zexue He, Zhankui He, Julian McAuley

4623: Fair and Truthful Giveaway Lotteries
Yonatan Aumann, Tal Arbib

4626: Improving Zero-Shot Phrase Grounding via Reasoning on External Knowledge and Spatial Relations
Zhan Shi, Yilin Shen, Hongxia Jin, Xiaodan Zhu

4631: DeepHardMark: Towards Watermarking Neural Network Hardware
Joseph Clements, Yingjie Lao

4649: Un-Mix: Rethinking Image Mixtures for Unsupervised Visual Representation Learning
Zhiqiang Shen, Zechun Liu, Zhuang Liu, Marios Savvides, Trevor Darrell, Eric Xing

4653: The Triangle-Densest- k -Subgraph Problem: Hardness, Lovász Extension, and Application to Document Summarization
Aritra Konar, Nicholas D. Sidiropoulos

4689: Active Learning on Pre-Trained Language Model with Task-Independent Triplet Loss
Seungmin Seo, Donghyun Kim, Youbin Ahn, Kyong-Ho Lee

4695: Algorithmic Fairness Verification with Graphical Models
Bishwamitra Ghosh, Debabrota Basu, Kuldeep S. Meel

4702: A First Mathematical Runtime Analysis of the Non-Dominated Sorting Genetic Algorithm II (NSGA-II)
Weijie Zheng, Yufei Liu, Benjamin Doerr

4719: What Can We Learn Even from the Weakest? Learning Sketches for Programmatic Strategies
Leandro C. Medeiros, David S. Aleixo, Levi H. S. Lelis

4722: Identifiability of Linear AMP Chain Graph Models
Yuhao Wang, Arnab Bhattacharyya

4739: Multi-Mode Tensor Space Clustering Based on Low-Tensor-Rank Representation
Yicong He, George K. Atia

4754: Reliable Inlier Evaluation for Unsupervised Point Cloud Registration
Yaqi Shen, Le Hui, Haobo Jiang, Jin Xie, Jian Yang

4760: Wasserstein Unsupervised Reinforcement Learning
Shuncheng He, Yuhang Jiang, Hongchang Zhang, Jianzhun Shao, Xiangyang Ji

4781: Sim2Real Object-Centric Keypoint Detection and Description
Chengliang Zhong, Chao Yang, Fuchun Sun, Jinshan Qi, Xiaodong Mu, Huaping Liu, Wenbing Huang

4785: Promoting Single-Modal Optical Flow Network for Diverse Cross-Modal Flow Estimation
Shili Zhou, Weimin Tan, Bo Yan

4787: Explainable Survival Analysis with Convolution-Involved Vision Transformer
Yifan Shen, Li Liu, Zhihao Tang, Zongyi Chen, Guixiang Ma, Jiyan Dong, Xi Zhang, Lin Yang, Qingfeng Zheng

4790: Improving Human-Object Interaction Detection via Phrase Learning and Label Composition
Zhimin Li, Cheng Zou, Yu Zhao, Sheng Zhong, Boxun Li

4799: NumHTML: Numeric-Oriented Hierarchical Transformer Model for Multi-Task Financial Forecasting
Linyi Yang, Jiazheng Li, Ruihai Dong, Yue Zhang, Barry Smyth

4805: KID-Review: Knowledge-Guided Scientific Review Generation with Oracle Pre-Training
Weizhe Yuan, Pengfei Liu

4806: Dual Decoupling Training for Semi-Supervised Object Detection with Noise-Bypass Head
Shida Zheng, Chenshu Chen, Xiaowei Cai, Tingqun Ye, Wenming Tan

4844: TextHoaxer: Budgeted Hard-Label Adversarial Attacks on Text
Muchao Ye, Chenglin Miao, Ting Wang, Fenglong Ma

4850: JAKET: Joint Pre-Training of Knowledge Graph and Language Understanding
Donghan Yu, Chenguang Zhu, Yiming Yang, Michael Zeng

4851: Towards an Effective Orthogonal Dictionary Convolution Strategy
Yishi Li, Kunran Xu, Rui Lai, Lin Gu

4855: Context Uncertainty in Contextual Bandits with Applications to Recommender Systems
Hao Wang, Yifei Ma, Hao Ding, Yuyang Wang

4867: Augmentation-Free Self-Supervised Learning on Graphs
Namkyeong Lee, Junseok Lee, Chanyoung Park

4879: Multi-View Intent Disentangle Graph Networks for Bundle Recommendation
Sen Zhao, Wei Wei, Ding Zou, Xianling Mao

4882: Self-Supervised Pretraining for RGB-D Salient Object Detection
Xiaoqi Zhao, Youwei Pang, Lihe Zhang, Huchuan Lu, Xiang Ruan

4889: EtinyNet: Extremely Tiny Network for TinyML
Kunran Xu, Yishi Li, Huawei Zhang, Rui Lai, Lin Gu

4903: Fast and Efficient MMD-Based Fair PCA via Optimization over Stiefel Manifold
Junghyun Lee, Gwangsu Kim, Matt Olfat, Mark Hasegawa-Johnson, Chang D. Yoo

4905: Adaptive Orthogonal Projection for Continual Learning
Yiduo Guo, Wenpeng Hu, Dongyan Zhao, Bing Liu

4913: Deep Unsupervised Hashing with Latent Semantic Components
Qinghong Lin, Xiaojun Chen, Qin Zhang, Shaotian Cai, Wenzhe Zhao, Hongfa Wang

4916: Cross-Domain Collaborative Normalization via Structural Knowledge
Haifeng Xia, Zhengming Ding

4932: Text is No More Enough! A Benchmark for Profile-Based Spoken Language Understanding
Xiao Xu, Libo Qin, Kaiji Chen, Guoxing Wu, Linlin Li, Wanxiang Che, Ting Liu

4943: SCRIB: Set-Classifier with Class-Specific Risk Bounds for Blackbox Models
Zhen Lin, Lucas Glass, M. Brandon Westover, Cao Xiao, Jimeng Sun

4946: MODNet: Real-Time Trimap-Free Portrait Matting via Objective Decomposition
Zhanghan Ke, Jiayu Sun, Kaican Li, Qiong Yan, Rynson W.H. Lau

4951: An Empirical Study of GPT-3 for Few-Shot Knowledge-Based VQA
Zhengyuan Yang, Zhe Gan, Jianfeng Wang, Xiaowei Hu, Yumao Lu, Zicheng Liu, Lijuan Wang

4964: Multi-Type Urban Crime Prediction
Xiangyu Zhao, Wenqi Fan, Hui Liu, Jiliang Tang

4969: Robust Tests in Online Decision-Making
Gi-Soo Kim, Jane Paik Kim, Hyun-Joon Yang

4979: RepBin: Constraint-Based Graph Representation Learning for Metagenomic Binning
Hansheng Xue, Vijini G Mallawaarachchi, Yujia Zhang, Vaibhav Rajan, Yu Lin

4989: Fast and Constrained Absent Keyphrase Generation by Prompt-Based Learning
Huanqin Wu, Baijiaxin Ma, Wei Liu, Tao Chen, Dan Nie

4991: Correlation Field for Boosting 3D Object Detection in Structured Scenes
Jianhua Sun, Hao-Shu Fang, Xianghui Zhu, Jiefeng Li, Cewu Lu

4994: MIA-Former: Efficient and Robust Vision Transformers via Multi-Grained Input-Adaptation
Zhongzhi Yu, Yonggan Fu, Sicheng Li, Chaojian Li, Yingyan Lin

4999: Deep Fusing Pre-Trained Models into Neural Machine Translation
Rongxiang Weng, Heng Yu, Weihua Luo, Min Zhang

5010: Deep One-Class Classification via Interpolated Gaussian Descriptor
Yuanhong Chen, Yu Tian, Guansong Pang, Gustavo Carneiro

5011: Reconfiguring Shortest Paths in Graphs
Kshitij Gajjar, Agastya Vibhuti Jha, Manish Kumar, Abhiruk Lahiri

5017: Non-Autoregressive Translation with Layer-Wise Prediction and Deep Supervision
Chenyang Huang, Hao Zhou, Osmar R. Zaiane, Lili Mou, Lei Li

5018: LAGConv: Local-Context Adaptive Convolution Kernels with Global Harmonic Bias for Pansharpening
Zi-Rong Jin, Tian-Jing Zhang, Tai-Xiang Jiang, Gemine Vivone, Liang-Jian Deng

5045: Instance Selection: A Bayesian Decision Theory Perspective
Qingqiang Chen, Fuyuan Cao, Ying Xing, Jiye Liang

5056: Weakly Supervised Video Moment Localization with Contrastive Negative Sample Mining
Minghang Zheng, Yanjie Huang, Yang Liu, Qingchao Chen

5060: ZINB-Based Graph Embedding Autoencoder for Single-Cell RNA-Seq Interpretations
Zhuohan Yu, Yifu Lu, Yunhe Wang, Fan Tang, Ka-Chun Wong, Xiangtao Li

5065: Ensemble Semi-Supervised Entity Alignment via Cycle-Teaching
Kexuan Xin, Zequn Sun, Wen Hua, Bing Liu, Wei Hu, Jianfeng Qu, Xiaofang Zhou

5069: SMINet: State-Aware Multi-Aspect Interests Representation Network for Cold-Start Users Recommendation
Wanjie Tao, Yu Li, Liangyue Li, Zulong Chen, Hong Wen, Peilin Chen, Tingting Liang, Quan Lu

5082: Rethinking the Two-Stage Framework for Grounded Situation Recognition
Meng Wei, Long Chen, Wei Ji, Xiaoyu Yue, Tat-Seng Chua

5084: Contrastive Instruction-Trajectory Learning for Vision-Language Navigation
Xiwen Liang, Fengda Zhu, Yi Zhu, Bingqian Lin, Bing Wang, Xiaodan Liang

5085: Obtaining Calibrated Probabilities with Personalized Ranking Models
Wonbin Kweon, SeongKu Kang, Hwanjo Yu

5100: Scaling Neural Program Synthesis with Distribution-Based Search
Nathanaël Fijalkow, Guillaume Lagarde, Théo Matricon, Kevin Ellis, Pierre Ohlmann, Akarsh Potta

5128: Zero Stability Well Predicts Performance of Convolutional Neural Networks
Liangming Chen, Long Jin, Mingsheng Shang

5134: Self-Supervised Robust Scene Flow Estimation via the Alignment of Probability Density Functions
Pan He, Patrick Emami, Sanjay Ranka, Anand Rangarajan

5139: Fast and More Powerful Selective Inference for Sparse High-Order Interaction Model
Diptesh Das, Vo Nguyen Le Duy, Hiroyuki Hanada, Koji Tsuda, Ichiro Takeuchi

5153: Rethinking Influence Functions of Neural Networks in the Over-Parameterized Regime
Rui Zhang, Shihua Zhang

5164: Knowledge Distillation for Object Detection via Rank Mimicking and Prediction-Guided Feature Imitation
Gang Li, Xiang Li, Yujie Wang, Shanshan Zhang, Yichao Wu, Ding Liang

5184: How to Find a Good Explanation for Clustering?
Sayan Bandyopadhyay, Fedor Fomin, Petr Golovach, William Lochet, Nidhi Purohit, Kirill Simonov

5195: RID-Noise: Towards Robust Inverse Design under Noisy Environments
Jia-Qi Yang, Ke-Bin Fan, Hao Ma, De-Chuan Zhan

5199: Split Moves for Monte-Carlo Tree Search
Jakub Kowalski, Maksymilian Mika, Wojciech Pawlik, Jakub Sutowicz, Marek Szykuła, Mark H. M. Winands

5215: Contact-Distil: Boosting Low Homologous Protein Contact Map Prediction by Self-Supervised Distillation
Qin Wang, Jiayang Chen, Yuzhe Zhou, Yu Li, Liangzhen Zheng, Sheng Wang, Zhen Li, Shuguang Cui

5246: From One to All: Learning to Match Heterogeneous and Partially Overlapped Graphs
Weijie Liu, Hui Qian, Chao Zhang, Jiahao Xie, Zebang Shen, Nenggan Zheng

5255: Participatory Budgeting with Donations and Diversity Constraints
Jiehua Chen, Martin Lackner, Jan Maly

5263: Spline-PINN: Approaching PDEs without Data Using Fast, Physics-Informed Hermite-Spline CNNs
Nils Wandel, Michael Weinmann, Michael Neidlin, Reinhard Klein

5265: Sharp Analysis of Random Fourier Features in Classification
Zhu Li

5267: DarkVisionNet: Low-Light Imaging via RGB-NIR Fusion with Deep Inconsistency Prior
Shuangping Jin, Bingbing Yu, Minhao Jing, Yi Zhou, Jiajun Liang, Renhe Ji

5286: Leaping through Time with Gradient-Based Adaptation for Recommendation
Nuttapong Chairatanakul, Hoang NT, Xin Liu, Tsuyoshi Murata

5310: Balanced Self-Paced Learning for AUC Maximization
Chenkang Zhang, Bin Gu, Huan Xiong, Heng Huang

5314: Encoding Multi-Valued Decision Diagram Constraints as Binary Constraint Trees
Ruiwei Wang, Roland H. C. Yap

5323: On the Computation of Necessary and Sufficient Explanations
Adnan Darwiche, Chunxi Ji

5325: Graph-Based Point Tracker for 3D Object Tracking in Point Clouds
Minseong Park, Hongje Seong, Wonje Jang, Euntai Kim

5361: Fully Spiking Variational Autoencoder
Hiromichi Kamata, Yusuke Mukuta, Tatsuya Harada

5362: Self-Supervised Enhancement of Latent Discovery in GANs
Adarsh Kappiyath, Silpa Vadakkeveetil Sreelatha, S Sumitra

5389: Handwritten Mathematical Expression Recognition via Attention Aggregation based Bi-Directional Mutual Learning
Xiaohang Bian, Bo Qin, Xiaozhe Xin, Jianwu Li, Xuefeng Su, Yanfeng Wang

5395: UNISON: Unpaired Cross-Lingual Image Captioning
Jiahui Gao, Yi Zhou, Philip L. H. Yu, Shafiq Joty, Jiuxiang Gu

5399: Regularization Guarantees Generalization in Bayesian Reinforcement Learning through Algorithmic Stability
Aviv Tamar, Daniel Soudry, Ev Zisselman

5425: Unsupervised Learning of Compositional Scene Representations from Multiple Unspecified Viewpoints

Jinyang Yuan, Bin Li, Xiangyang Xue

5436: UniMS: A Unified Framework for Multimodal Summarization with Knowledge Distillation
Zhengkun Zhang, Xiaojun Meng, Yasheng Wang, Xin Jiang, Qun Liu, Zhenglu Yang

5459: UFPMP-Det: Toward Accurate and Efficient Object Detection on Drone Imagery
Yecheng Huang, Jiabin Chen, Di Huang

5468: PolygonE: Modeling N-Ary Relational Data as Gyro-Polygons in Hyperbolic Space
Shiyao Yan, Zequn Zhang, Xian Sun, Guangluan Xu, Shuchao Li, Qing Liu, Nayu Liu, Shensi Wang

5484: Bridging LTLf Inference to GNN Inference for Learning LTLf Formulae
Weilin Luo, Hai Wan, Pingjia Liang, Jianfeng Du, Bo Peng, Delong Zhang

5500: Learning Not to Learn: Nature versus Nurture in Silico
Robert Tjarko Lange, Henning Sprekeler

5505: Improving Local Search Algorithms via Probabilistic Configuration Checking
Weilin Luo, Hai Wan, Rongzhen Ye, Shaowei Cai, Biqing Fang, Delong Zhang

5513: REMOTE: Reinforced Motion Transformation Network for Semi-Supervised 2D Pose Estimation in Videos
Xianzheng Ma, Hossein Rahmani, Zhipeng Fan, Bin Yang, Jun Chen, Jun Liu

5530: Uncertainty-Aware Learning against Label Noise on Imbalanced Datasets
Yingsong Huang, Bing Bai, Shengwei Zhao, Kun Bai, Fei Wang

5579: Unpaired Multi-Domain Stain Transfer for Kidney Histopathological Images
Yiyang Lin, Bowei Zeng, Yifeng Wang, Yang Chen, Zijie Fang, Jian Zhang, Xiangyang Ji, Haoqian Wang, Yongbing Zhang

5583: RRL: Regional Rotate Layer in Convolutional Neural Network
Zongbo Hao, Tao Zhang, Mingwang Chen, Kaixu Zhou

5615: Efficient Causal Structure Learning from Multiple Interventional Datasets with Unknown Targets
Yunxia Wang, Fuyuan Cao, Kui Yu, Jiye Liang

5637: ER: Equivariance Regularizer for Knowledge Graph Completion
Zongsheng Cao, Qianqian Xu, Zhiyong Yang, Qingming Huang

5647: Residual Similarity Based Conditional Independence Test and Its Application in Causal Discovery
Hao Zhang, Shuigeng Zhou, Kun Zhang, Jihong Guan

5666: Distribution Aware VoteNet for 3D Object Detection
Junxiong Liang, Pei An, Jie Ma

5683: Multimodal Adversarially Learned Inference with Factorized Discriminators
Wenxue Chen, Jianke Zhu

5685: Universal and Tight Online Algorithms for Generalized-Mean Welfare
Siddharth Barman, Arindam Khan, Arnab Maiti

5690: Hybrid Graph Neural Networks for Few-Shot Learning
Tianyuan Yu, Sen He, Yi-Zhe Song, Tao Xiang

5691: H²-MIL: Exploring Hierarchical Representation with Heterogeneous Multiple Instance Learning for Whole Slide Image Analysis
Wentai Hou, Lequan Yu, Chengxuan Lin, Helong Huang, Rongshan Yu, Jing Qin, Liansheng Wang

5707: Bi-CMR: Bidirectional Reinforcement Guided Hashing for Effective Cross-Modal Retrieval
Tieying Li, Xiaochun Yang, Bin Wang, Chong Xi, Hanzhong Zheng, Xiangmin Zhou

5728: Decentralized Mean Field Games
Sriram Ganapathi Subramanian, Matthew E. Taylor, Mark Crowley, Pascal Poupart

5737: Multi-Agent Incentive Communication via Decentralized Teammate Modeling
Lei Yuan, Jianhao Wang, Fuxiang Zhang, Chenghe Wang, Zongzhang Zhang, Yang Yu, Chongjie Zhang

5738: Contrast and Generation Make BART a Good Dialogue Emotion Recognizer
Shimin Li, Hang Yan, Xipeng Qiu

5745: Robust and Resource-Efficient Data-Free Knowledge Distillation by Generative Pseudo Replay
Kuluhan Binici, Shivam Aggarwal, Nam Trung Pham, Karianto Leman, Tulika Mitra

5753: SmartIdx: Reducing Communication Cost in Federated Learning by Exploiting the CNNs Structures
Donglei Wu, Xiangyu Zou, Shuyu Zhang, Haoyu Jin, Wen Xia, Binxing Fang

5765: Self-Supervised Audio-and-Text Pre-Training with Extremely Low-Resource Parallel Data
Yu Kang, Tianqiao Liu, Hang Li, Yang Hao, Wenbiao Ding

5796: Search and Learn: Improving Semantic Coverage for Data-to-Text Generation
Shailza Jolly, Zi Xuan Zhang, Andreas Dengel, Lili Mou

5809: CQA-Face: Contrastive Quality-Aware Attentions for Face Recognition
Qiangchang Wang, Guodong Guo

5810: Conservative and Adaptive Penalty for Model-Based Safe Reinforcement Learning
Yecheng Jason Ma, Andrew Shen, Osbert Bastani, Dinesh Jayaraman

5824: Pose-Guided Feature Disentangling for Occluded Person Re-Identification Based on Transformer
Tao Wang, Hong Liu, Pinhao Song, Tianyu Guo, Wei Shi

5825: Contrastive Learning from Extremely Augmented Skeleton Sequences for Self-Supervised Action Recognition
Tianyu Guo, Hong Liu, Zhan Chen, Mengyuan Liu, Tao Wang, Runwei Ding

5846: Call for Customized Conversation: Customized Conversation Grounding Persona and Knowledge
Yoonna Jang, Jungwoo Lim, Yuna Hur, Dongsuk Oh, Suhyune Son, Yeonsoo Lee, Donghoon Shin, Seungryong Kim, Heuseok Lim

5853: Scaling Up Influence Functions
Andrea Schioppa, Polina Zablotskaia, David Vilar, Artem Sokolov

5856: (2.5+1)D Spatio-Temporal Scene Graphs for Video Question Answering
Anoop Cherian, Chiori Hori, Tim K. Marks, Jonathan Le Roux

5859: Distillation of RL Policies with Formal Guarantees via Variational Abstraction of Markov Decision Processes
Florent Delgrange, Ann Nowé, Guillermo A. Pérez

5864: Policy Learning for Robust Markov Decision Process with a Mismatched Generative Model

Jialian Li, Tongzheng Ren, Dong Yan, Hang Su, Jun Zhu

5873: Generalized Equivariance and Preferential Labeling for GNN Node Classification
Zeyu Sun, Wenjie Zhang, Lili Mou, Qihao Zhu, Yingfei Xiong, Lu Zhang

5875: Instance-Sensitive Algorithms for Pure Exploration in Multinomial Logit Bandit
Nikolai Karpov, Qin Zhang

5899: DOC2PPT: Automatic Presentation Slides Generation from Scientific Documents
Tsu-Jui Fu, William Yang Wang, Daniel McDuff, Yale Song

5928: Deep Graph Clustering via Dual Correlation Reduction
Yue Liu, Wenxuan Tu, Sihang Zhou, Xinwang Liu, Linxuan Song, Xihong Yang, En Zhu

5939: The King is Naked: On the Notion of Robustness for Natural Language Processing
Emanuele La Malfa, Marta Kwiatkowska

5945: Reducing Flipping Errors in Deep Neural Networks
Xiang Deng, Xiao Yun, Bo Long, Zhongfei Zhang

5959: Diaformer: Automatic Diagnosis via Symptoms Sequence Generation
Junying Chen, Dongfang Li, Qingcai Chen, Wenxiu Zhou, Xin Liu

5960: PrivateMail: Supervised Manifold Learning of Deep Features with Privacy for Image Retrieval
Praneeth Vepakomma, Julia Balla, Ramesh Raskar

5963: Causal Discovery in Hawkes Processes by Minimum Description Length
Amirkarsa Jalaldoust, Katerina Hlavackova-Schindler, Claudia Plant

5965: Open Vocabulary Electroencephalography-to-Text Decoding and Zero-Shot Sentiment Classification
Zhenhailong Wang, Heng Ji

5967: Cross-Task Knowledge Distillation in Multi-Task Recommendation
Chenxiao Yang, Junwei Pan, Xiaofeng Gao, Tingyu Jiang, Dapeng Liu, Guihai Chen

5968: Fast Monte-Carlo Approximation of the Attention Mechanism
Hyunjun Kim, JeongGil Ko

5976: Sparse Cross-Scale Attention Network for Efficient LiDAR Panoptic Segmentation
Shuangjie Xu, Rui Wan, Maosheng Ye, Xiaoyi Zou, Tongyi Cao

5978: Reasoning About Causal Models with Infinitely Many Variables
Joseph Y. Halpern, Spencer Peters

5979: Directed Graph Auto-Encoders
Georgios Kollias, Vasileios Kalantzis, Tsuyoshi Idé, Aurélie Lozano, Naoki Abe

5983: Is Your Data Relevant?: Dynamic Selection of Relevant Data for Federated Learning
Lokesh Nagalapatti, Ruhi Sharma Mittal, Ramasuri Narayanam

5989: Bridging between Cognitive Processing Signals and Linguistic Features via a Unified Attentional Network
Yuqi Ren, Deyi Xiong

5992: Pizza Sharing is PPA-Hard

Argyrios Deligkas, John Fearnley, Themistoklis Melissourgos

6006: Block Modeling-Guided Graph Convolutional Neural Networks

Dongxiao He, Chundong Liang, Huixin Liu, Mingxiang Wen, Pengfei Jiao, Zhiyong Feng

6024: Generalized Dynamic Cognitive Hierarchy Models for Strategic Driving Behavior

Atrisha Sarkar, Kate Larson, Krzysztof Czarnecki

6031: Playing Lottery Tickets with Vision and Language

Zhe Gan, Yen-Chun Chen, Linjie Li, Tianlong Chen, Yu Cheng, Shuohang Wang, Jingjing Liu, Lijuan Wang, Zicheng Liu

6041: Seizing Critical Learning Periods in Federated Learning

Gang Yan, Hao Wang, Jian Li

6048: Regularization Penalty Optimization for Addressing Data Quality Variance in OoD Algorithms

Runpeng Yu, Hong Zhu, Kaican Li, Lanqing Hong, Rui Zhang, Nanyang Ye, Shao-Lun Huang, Xiuqiang He

6055: TEACH: Task-Driven Embodied Agents that Chat

Aishwarya Padmakumar, Jesse Thomason, Ayush Shrivastava, Patrick Lange, Anjali Narayan-Chen, Spandana Gella, Robinson Piramuthu, Gokhan Tur, Dilek Hakkani-Tur

6060: Can Machines Read Coding Manuals Yet? – A Benchmark for Building Better Language Models for Code Understanding

Ibrahim Abdelaziz, Julian Dolby, Jamie McCusker, Kavitha Srinivas

6062: Learning Parameterized Task Structure for Generalization to Unseen Entities

Anthony Liu, Sungryull Sohn, Mahdi Qazwini, Honglak Lee

6064: Two-Price Equilibrium

Michal Feldman, Galia Shabtai, Aner Wolfenfeld

6069: Fair and Efficient Allocations of Chores under Bivalued Preferences

Jugal Garg, Aniket Murhekar, John Qin

6083: ASM2TV: An Adaptive Semi-Supervised Multi-Task Multi-View Learning Framework for Human Activity Recognition

Zekai Chen, Xiao Zhang, Xiuzhen Cheng

6098: Gradient Temporal Difference with Momentum: Stability and Convergence

Rohan Deb, Shalabh Bhatnagar

6118: Joint Deep Multi-Graph Matching and 3D Geometry Learning from Inhomogeneous 2D Image Collections

Zhenzhang Ye, Tarun Yenamandra, Florian Bernard, Daniel Cremers

6129: Stochastic Goal Recognition Design Problems with Suboptimal Agents

Christabel Wayllace, William Yeoh

6130: Training-Free Uncertainty Estimation for Dense Regression: Sensitivity as a Surrogate

Lu Mi, Hao Wang, Yonglong Tian, Hao He, Nir Shavit

6131: Hyperverlet: A Symplectic Hypersolver for Hamiltonian Systems

Frederik Baymler Mathiesen, Bin Yang, Jilin Hu

6138: Worst-Case Voting When the Stakes are High

Anson Kahng, Gregory Kehne

6144: RetGen: A Joint Framework for Retrieval and Grounded Text Generation Modeling
Yizhe Zhang, Siqi Sun, Yuwei Fang, Xiang Gao, Chris Brockett, Michel Galley, Jianfeng Gao, Bill Dolan

6152: Multi-Modal Answer Validation for Knowledge-Based VQA
Jialin Wu, Jiasen Lu, Ashish Sabharwal, Roozbeh Mottaghi

6156: Dimensionality and Coordination in Voting: The Distortion of STV
Ioannis Anagnostides, Dimitris Fotakis, Panagiotis Patsilinakos

6157: AdaLoss: A Computationally-Efficient and Provably Convergent Adaptive Gradient Method
Xiaoxia Wu, Simon Du, Yuege Xie, Rachel Ward

6163: Cross-Modal Mutual Learning for Audio-Visual Speech Recognition and Manipulation
Chih-Chun Yang, Wan-Cyuan Fan, Cheng-Fu Yang, Yu-Chiang Frank Wang

6170: How Many Representatives Do We Need? The Optimal Size of a Congress Voting on Binary Issues
Manon Revel, Tao Lin, Daniel Halpern

6177: Finding Backdoors to Integer Programs: A Monte Carlo Tree Search Framework
Elias B. Khalil, Pashootan Vaezipoor, Bistra Dilkina

6178: LogicDef: An Interpretable Defense Framework Against Adversarial Examples via Inductive Scene Graph Reasoning
Yuan Yang, James C Kerce, Faramarz Fekri

6192: OVIS: Open-Vocabulary Visual Instance Search via Visual-Semantic Aligned Representation Learning
Sheng Liu, Kevin Lin, Lijuan Wang, Junsong Yuan, Zicheng Liu

6194: Learning Probably Approximately Complete and Safe Action Models for Stochastic Worlds
Brendan Juba, Roni Stern

6203: Active Sampling for Text Classification with Subinstance Level Queries
Shayok Chakraborty, Ankita Singh

6206: ValueNet: A New Dataset for Human Value Driven Dialogue System
Liang Qiu, Yizhou Zhao, Jinchao Li, Pan Lu, Baolin Peng, Jianfeng Gao, Song-Chun Zhu

6210: Temporal Knowledge Graph Completion Using Box Embeddings
Johannes Messner, Ralph Abboud, Ismail Ilkan Ceylan

6225: Semantic Feature Extraction for Generalized Zero-Shot Learning
Junhan Kim, Kyuhong Shim, Byonghyo Shim

6231: Self-Supervised Spatiotemporal Representation Learning by Exploiting Video Continuity
Hanwen Liang, Niamul Quader, Zhixiang Chi, Lizhe Chen, Peng Dai, Juwei Lu, Yang Wang

6235: Flex Distribution for Bounded-Suboptimal Multi-Agent Path Finding
Shao-Hung Chan, Jiaoyang Li, Graeme Gange, Daniel Harabor, Peter J. Stuckey, Sven Koenig

6237: Online Missing Value Imputation and Change Point Detection with the Gaussian Copula
Yuxuan Zhao, Eric Landgrebe, Eliot Shekhtman, Madeleine Udell

6283: Coordinating Momenta for Cross-Silo Federated Learning
An Xu, Heng Huang

6284: Equity Promotion in Online Resource Allocation
Pan Xu, Yifan Xu

6292: On the Use of Unrealistic Predictions in Hundreds of Papers Evaluating Graph Representations
Li-Chung Lin, Cheng-Hung Liu, Chih-Ming Chen, Kai-Chin Hsu, I-Feng Wu, Ming-Feng Tsai, Chih-Jen Lin

6295: ReMoNet: Recurrent Multi-Output Network for Efficient Video Denoising
Liuyu Xiang, Jundong Zhou, Jirui Liu, Zerun Wang, Haidong Huang, Jie Hu, Jungong Han, Yuchen Guo, Guiguang Ding

6301: Unsupervised Causal Binary Concepts Discovery with VAE for Black-Box Model Explanation
Thien Q. Tran, Kazuto Fukuchi, Youhei Akimoto, Jun Sakuma

6310: Natural Black-Box Adversarial Examples Against Deep Reinforcement Learning
Mengran Yu, Shiliang Sun

6312: CF-DETR: Coarse-to-Fine Transformers for End-to-End Object Detection
Xipeng Cao, Peng Yuan, Bailan Feng, Kun Niu

6315: Transmission-Guided Bayesian Generative Model for Smoke Segmentation
Siyuan Yan, Jing Zhang, Nick Barnes

6321: Unsupervised Deep Keyphrase Generation
Xianjie Shen, Yinghan Wang, Rui Meng, Jingbo Shang

6327: Undercover Boolean Matrix Factorization with MaxSAT
Florent Avellaneda, Roger Villemaire

6346: Hibernated Backdoor: A Mutual Information Empowered Backdoor Attack to Deep Neural Networks
Rui Ning, Jiang Li, Chunsheng Xin, Hongyi Wu, Chonggang Wang

6353: Pinpointing Fine-Grained Relationships between Hateful Tweets and Replies
Abdullah Albanyan, Eduardo Blanco

6356: Out of Distribution Data Detection Using Dropout Bayesian Neural Networks
Andre T. Nguyen, Fred Lu, Gary Lopez Munoz, Edward Raff, Charles Nicholas, James Holt

6370: DDGCN: Dual Dynamic Graph Convolutional Networks for Rumor Detection on Social Media
Mengzhu Sun, Xi Zhang, Jiaqi Zheng, Guixiang Ma

6372: On the Transferability of Pre-Trained Language Models: A Study from Artificial Datasets
Cheng-Han Chiang, Hung-yi Lee

6388: Symbolic Brittleness in Sequence Models: On Systematic Generalization in Symbolic Mathematics
Sean Welleck, Peter West, Jize Cao, Yejin Choi

6414: Texture Generation Using Dual-Domain Feature Flow with Multi-View Hallucinations
Seunggyu Chang, Jungchan Cho, Songhwai Oh

6417: Language Modelling via Learning to Rank
Arvid Frydenlund, Gagandeep Singh, Frank Rudzicz

6421: Characterizing the Program Expressive Power of Existential Rule Languages
Heng Zhang

6434: Identification of Linear Latent Variable Model with Arbitrary Distribution
Zhengming Chen, Feng Xie, Jie Qiao, Zhifeng Hao, Kun Zhang, Ruichu Cai

6441: Zero-Shot Commonsense Question Answering with Cloze Translation and Consistency Optimization
Zi-Yi Dou, Nanyun (Violet) Peng

6443: Noise-Robust Learning from Multiple Unsupervised Sources of Inferred Labels
Amila Silva, Ling Luo, Shanika Karunasekera, Christopher Leckie

6459: Domain-Lifted Sampling for Universal Two-Variable Logic and Extensions
Yuanhong Wang, Timothy van Bremen, Yuyi Wang, Ondřej Kuželka

6463: Delving into Probabilistic Uncertainty for Unsupervised Domain Adaptive Person Re-Identification
Jian Han, Yali Li, Shengjin Wang

6502: Graph Neural Controlled Differential Equations for Traffic Forecasting
Jeongwhan Choi, Hwangyong Choi, Jeehyun Hwang, Noseong Park

6508: An Exact Algorithm with New Upper Bounds for the Maximum k -Defective Clique Problem in Massive Sparse Graphs
Jian Gao, Zhenghang Xu, Ruizhi Li, Minghao Yin

6521: An Unsupervised Way to Understand Artifact Generating Internal Units in Generative Neural Networks
Haedong Jeong, Jiyeon Han, Jaesik Choi

6542: Logic Rule Guided Attribution with Dynamic Ablation
Jianqiao An, Yuandu Lai, Yahong Han

6554: Hard to Forget: Poisoning Attacks on Certified Machine Unlearning
Neil G. Marchant, Benjamin I. P. Rubinstein, Scott Alfeld

6561: SGEITL: Scene Graph Enhanced Image-Text Learning for Visual Commonsense Reasoning
Zhecan Wang, Haoxuan You, Liunian Harold Li, Alireza Zareian, Suji Park, Yiqing Liang, Kai-Wei Chang, Shih-Fu Chang

6564: KerGNNs: Interpretable Graph Neural Networks with Graph Kernels
Aosong Feng, Chenyu You, Shiqiang Wang, Leandros Tassioulas

6565: I Can Find You! Boundary-Guided Separated Attention Network for Camouflaged Object Detection
Hongwei Zhu, Peng Li, Haoran Xie, Xuefeng Yan, Dong Liang, Dapeng Chen, Mingqiang Wei, Jing Qin

6573: Adapt to Environment Sudden Changes by Learning a Context Sensitive Policy
Fan-Ming Luo, Shengyi Jiang, Yang Yu, Zongzhang Zhang, Yi-Feng Zhang

6574: Hyperbolic Disentangled Representation for Fine-Grained Aspect Extraction
Chang-You Tai, Ming-Yao Li, Lun-Wei Ku

6580: Feature Distillation Interaction Weighting Network for Lightweight Image Super-Resolution
Guangwei Gao, Wenjie Li, Juncheng Li, Fei Wu, Huimin Lu, Yi Yu

6621: Class Guided Channel Weighting Network for Fine-Grained Semantic Segmentation
Xiang Zhang, Wanqing Zhao, Hangzai Luo, Jinye Peng, Jianping Fan

6635: EditVAE: Unsupervised Parts-Aware Controllable 3D Point Cloud Shape Generation
Shidi Li, Miaomiao Liu, Christian Walder

6636: Multilingual Code Snippets Training for Program Translation
Ming Zhu, Karthik Suresh, Chandan K. Reddy

6637: Self-Training Multi-Sequence Learning with Transformer for Weakly Supervised Video Anomaly Detection
Shuo Li, Fang Liu, Licheng Jiao

6640: Exploiting Mixed Unlabeled Data for Detecting Samples of Seen and Unseen Out-of-Distribution Classes
Yi-Xuan Sun, Wei Wang

6650: KGR4: Retrieval, Retrospect, Refine and Rethink for Commonsense Generation
Xin Liu, Dayiheng Liu, Baosong Yang, Haibo Zhang, Junwei Ding, Wenqing Yao, Weihua Luo, Haiying Zhang, Jinsong Su

6655: Boost Supervised Pretraining for Visual Transfer Learning: Implications of Self-Supervised Contrastive Representation Learning
Jinghan Sun, Dong Wei, Kai Ma, Liansheng Wang, Yefeng Zheng

6673: Neural Piecewise-Constant Delay Differential Equations
Qunxi Zhu, Yifei Shen, Dongsheng Li, Wei Lin

6681: Joint Human Pose Estimation and Instance Segmentation with PosePlusSeg
Niaz Ahmad, Jawad Khan, Jeremy Yuhyun Kim, Youngmoon Lee

6688: Cross-Modal Coherence for Text-to-Image Retrieval
Malihe Alikhani, Fangda Han, Hareesh Ravi, Mubbasir Kapadia, Vladimir Pavlovic, Matthew Stone

6693: Bayesian Optimization over Permutation Spaces
Aryan Deshwal, Syrine Belakaria, Janardhan Rao Doppa, Dae Hyun Kim

6700: Learning to Search in Local Branching
Defeng Liu, Matteo Fischetti, Andrea Lodi

6706: Fast Graph Neural Tangent Kernel via Kronecker Sketching
Shunhua Jiang, Yunze Man, Zhao Song, Zheng Yu, Danyang Zhuo

6709: Goal Recognition as Reinforcement Learning
Leonardo Amado, Reuth Mirsky, Felipe Meneguzzi

6712: Distinguishing Homophenes Using Multi-Head Visual-Audio Memory for Lip Reading
Minsu Kim, Jeong Hun Yeo, Yong Man Ro

6714: Elastic-Link for Binarized Neural Networks
Jie Hu, Ziheng Wu, Vince Tan, Zhilin Lu, Mengze Zeng, Enhua Wu

6732: Early-Bird GCNs: Graph-Network Co-Optimization Towards More Efficient GCN Training and Inference via Drawing Early-Bird Lottery Tickets
Haoran You, Zhihan Lu, Zijian Zhou, Yonggan Fu, Yingyan Lin

6756: Laneformer: Object-Aware Row-Column Transformers for Lane Detection
Jianhua Han, Xiajun Deng, Xinyue Cai, Zhen Yang, Hang Xu, Chunjing Xu, Xiaodan Liang

6763: Defending Graph Convolutional Networks Against Dynamic Graph Perturbations via Bayesian Self-Supervision
Jun Zhuang, Mohammad Al Hasan

6771: DKPLM: Decomposable Knowledge-Enhanced Pre-Trained Language Model for Natural Language Understanding

Taolin Zhang, Chengyu Wang, Nan Hu, Minghui Qiu, Chengguang Tang, Xiaofeng He, Jun Huang

6787: Regularizing End-to-End Speech Translation with Triangular Decomposition Agreement

Yichao Du, Zhirui Zhang, Weizhi Wang, Boxing Chen, Jun Xie, Tong Xu

6800: Context-Aware Health Event Prediction via Transition Functions on Dynamic Disease Graphs

Chang Lu, Tian Han, Yue Ning

6812: Hierarchical Heterogeneous Graph Attention Network for Syntax-Aware Summarization

Zixing Song, Irwin King

6825: BScNets: Block Simplicial Complex Neural Networks

Yuzhou Chen, Yulia R. Gel, H. Vincent Poor

6846: FedProto: Federated Prototype Learning Across Heterogeneous Clients

Yue Tan, Guodong Long, Lu Liu, Tianyi Zhou, Qinghua Lu, Jing Jiang, Chengqi Zhang

6852: CEM: Commonsense-Aware Empathetic Response Generation

Sahand Sabour, Chujie Zheng, Minlie Huang

6861: Unsupervised Coherent Video Cartoonization with Perceptual Motion Consistency

Zhenhuan Liu, Liang Li, Huajie Jiang, Xin Jin, Dandan Tu, Shuhui Wang, Zheng-Jun Zha

6869: Private Rank Aggregation in Central and Local Models

Daniel Alabi, Badih Ghazi, Ravi Kumar, Pasin Manurangsi

6870: MINIMAL: Mining Models for Universal Adversarial Triggers

Yaman Kumar Singla, Swapnil Parekh, Somesh Singh, Balaji Krishnamurthy, Rajiv Ratn Shah, Changyou Chen

6875: DPCD: Discrete Principal Coordinate Descent for Binary Variable Problems

Huan Xiong

6883: GeomGCL: Geometric Graph Contrastive Learning for Molecular Property Prediction

Shuangli Li, Jingbo Zhou, Tong Xu, Dejing Dou, Hui Xiong

6884: Recurrent Neural Network Controllers Synthesis with Stability Guarantees for Partially Observed Systems

Fangda Gu, He Yin, Laurent El Ghaoui, Murat Arcak, Peter Seiler, Ming Jin

6894: TRF: Learning Kernels with Tuned Random Features

Alistair Shilton, Sunil Gupta, Santu Rana, Arun Kumar Venkatesh, Svetha Venkatesh

6911: KATG: Keyword-Bias-Aware Adversarial Text Generation for Text Classification

Lingfeng Shen, Shoushan Li, Ying Chen

6913: Programmatic Reward Design by Example

Weichao Zhou, Wenchao Li

6921: Fairness without Imputation: A Decision Tree Approach for Fair Prediction with Missing Values

Haewon Jeong, Hao Wang, Flavio P. Calmon

6967: Attacking Video Recognition Models with Bullet-Screen Comments
Kai Chen, Zhipeng Wei, Jingjing Chen, Zuxuan Wu, Yu-Gang Jiang

6975: FPAdaMetric: False-Positive-Aware Adaptive Metric Learning for Session-Based Recommendation
Jongwon Jeong, Jeong Choi, Hyunsouk Cho, Sehee Chung

6996: Context-Aware Transfer Attacks for Object Detection
Zikui Cai, Xinxin Xie, Shasha Li, Mingjun Yin, Chengyu Song, Srikanth V. Krishnamurthy, Amit K. Roy-Chowdhury, M. Salman Asif

7039: Hybrid Neural Networks for On-Device Directional Hearing
Anran Wang, Maruchi Kim, Hao Zhang, Shyamnath Gollakota

7047: Minimally-Supervised Joint Learning of Event Volitionality and Subject Animacy Classification
Hirokazu Kiyomaru, Sadao Kurohashi

7053: Forecasting Asset Dependencies to Reduce Portfolio Risk
Haoren Zhu, Shih-Yang Liu, Pengfei Zhao, Yingying Chen, Dik Lun Lee

7058: Analysis of Pure Literal Elimination Rule for Non-Uniform Random (MAX) k-SAT Problem with an Arbitrary Degree Distribution
Oleksii Omelchenko, Andrei A. Bulatov

7065: Intra-Inter Subject Self-Supervised Learning for Multivariate Cardiac Signals
Xiang Lan, Dianwen Ng, Shenda Hong, Mengling Feng

7076: Towards Robust Off-Policy Learning for Runtime Uncertainty
Da Xu, Yuting Ye, Chuanwei Ruan, Bo Yang

7081: Interactive Image Generation with Natural-Language Feedback
Yufan Zhou, Ruiyi Zhang, Jiuxiang Gu, Chris Tensmeyer, Tong Yu, Changyou Chen, Jinhui Xu, Tong Sun

7097: Iterative Contrast-Classify for Semi-Supervised Temporal Action Segmentation
Dipika Singhania, Rahul Rahaman, Angela Yao

7131: Sufficient Reasons for Classifier Decisions in the Presence of Domain Constraints
Niku Gorji, Sasha Rubin

7134: DCAN: Improving Temporal Action Detection via Dual Context Aggregation
Guo Chen, Yin-Dong Zheng, Limin Wang, Tong Lu

7140: Faster Algorithms for Weak Backdoors
Serge Gaspers, Andrew Kaploun

7149: Truthful and Fair Mechanisms for Matroid-Rank Valuations
Siddharth Barman, Paritosh Verma

7157: The Price of Justified Representation
Edith Elkind, Piotr Faliszewski, Ayumi Igarashi, Pasin Manurangsi, Ulrike Schmidt-Kraepelin, Warut Suksompong

7162: Inductive Relation Prediction by BERT
Hanwen Zha, Zhiyu Chen, Xifeng Yan

7167: Non-Parametric Online Learning from Human Feedback for Neural Machine Translation
Dongqi Wang, Haoran Wei, Zhirui Zhang, Shujian Huang, Jun Xie, Jiajun Chen

7168: A Unified Framework for Real Time Motion Completion
Yinglin Duan, Yue Lin, Zhengxia Zou, Yi Yuan, Zhehui Qian, Bohan Zhang

7174: Learning to Solve Travelling Salesman Problem with Hardness-Adaptive Curriculum
Zeyang Zhang, Ziwei Zhang, Xin Wang, Wenwu Zhu

7200: Uncertainty Modeling with Second-Order Transformer for Group Re-Identification
Quan Zhang, Jianhuang Lai, Zhanxiang Feng, Xiaohua Xie

7213: Self-Supervised Knowledge Assimilation for Expert-Layman Text Style Transfer
Wenda Xu, Michael Saxon, Misha Sra, William Yang Wang

7214: Hierarchical Multi-Supervision Multi-Interaction Graph Attention Network for Multi-Camera Pedestrian Trajectory Prediction
Guoliang Zhao, Yuxun Zhou, Zhanbo Xu, Yadong Zhou, Jiang Wu

7217: Creativity of AI: Automatic Symbolic Option Discovery for Facilitating Deep Reinforcement Learning
Mu Jin, Zhihao Ma, Kebing Jin, Hankz Hankui Zhuo, Chen Chen, Chao Yu

7236: Deconvolutional Density Network: Modeling Free-Form Conditional Distributions
Bing Chen, Mazharul Islam, Jisuo Gao, Lin Wang

7239: Constraint Sampling Reinforcement Learning: Incorporating Expertise For Faster Learning
Tong Mu, Georgios Theodorou, David Arbour, Emma Brunskill

7240: Generalizing Reinforcement Learning through Fusing Self-Supervised Learning into Intrinsic Motivation
Keyu Wu, Min Wu, Zhenghua Chen, Yuecong Xu, Xiaoli Li

7241: Generalizable Person Re-Identification via Self-Supervised Batch Norm Test-Time Adaption
Ke Han, Chenyang Si, Yan Huang, Liang Wang, Tieniu Tan

7242: Explainable and Local Correction of Classification Models Using Decision Trees
Hirofumi Suzuki, Hiroaki Iwashita, Takuya Takagi, Keisuke Goto, Yuta Fujishige, Satoshi Hara

7245: Graph Convolutional Networks with Dual Message Passing for Subgraph Isomorphism Counting and Matching
Xin Liu, Yangqiu Song

7257: GraphMemDialog: Optimizing End-to-End Task-Oriented Dialog Systems Using Graph Memory Networks
Jie Wu, Ian G. Harris, Hongzhi Zhao

7271: Computing Diverse Shortest Paths Efficiently: A Theoretical and Experimental Study
Tesshu Hanaka, Yasuaki Kobayashi, Kazuhiro Kurita, See Woo Lee, Yota Otachi

7291: Truthful Aggregation of Budget Proposals with Proportionality Guarantees
Ioannis Caragiannis, George Christodoulou, Nicos Protopapas

7304: Frequency-Aware Contrastive Learning for Neural Machine Translation
Tong Zhang, Wei Ye, Baosong Yang, Long Zhang, Xingzhang Ren, Dayiheng Liu, Jinan Sun, Shikun Zhang, Haibo Zhang, Wen Zhao

7314: Sequence Level Contrastive Learning for Text Summarization
Shusheng Xu, Xingxing Zhang, Yi Wu, Furu Wei

7321: Cross-Modal Object Tracking: Modality-Aware Representations and a Unified Benchmark
Chenglong Li, Tianhao Zhu, Lei Liu, Xiaonan Si, Zilin Fan, Sulan Zhai

7336: Deep Implicit Statistical Shape Models for 3D Medical Image Delineation
Ashwin Raju, Shun Miao, Dakai Jin, Le Lu, Junzhou Huang, Adam P. Harrison

7367: Information-Theoretic Bias Reduction via Causal View of Spurious Correlation
Seonguk Seo, Joon-Young Lee, Bohyung Han

7403: CATN: Cross Attentive Tree-Aware Network for Multivariate Time Series Forecasting
Hui He, Qi Zhang, Simeng Bai, Kun Yi, Zhendong Niu

7415: Orthogonal Graph Neural Networks
Kai Guo, Kaixiong Zhou, Xia Hu, Yu Li, Yi Chang, Xin Wang

7418: End-to-End Learning the Partial Permutation Matrix for Robust 3D Point Cloud Registration
Zhiyuan Zhang, Jiadai Sun, Yuchao Dai, Dingfu Zhou, Xibin Song, Mingyi He

7422: Procedural Text Understanding via Scene-Wise Evolution
Jialong Tang, Hongyu Lin, Meng Liao, Yaojie Lu, Xianpei Han, Le Sun, Weijian Xie, Jin Xu

7429: Conditional Abstract Dialectical Frameworks
Jesse Heyninck, Matthias Thimm, Gabriele Kern-Isberner, Tjitze Rienstra, Kenneth Skiba

7434: A Fast Algorithm for PAC Combinatorial Pure Exploration
Noa Ben-David, Sivan Sabato

7452: How Does Knowledge Graph Embedding Extrapolate to Unseen Data: a Semantic Evidence View
Ren Li, Yanan Cao, Qiannan Zhu, Guanqun Bi, Fang Fang, Yi Liu, Qian Li

7454: Online Enhanced Semantic Hashing: Towards Effective and Efficient Retrieval for Streaming Multi-Modal Data
Xiao-Ming Wu, Xin Luo, Yu-Wei Zhan, Chen-Lu Ding, Zhen-Duo Chen, Xin-Shun Xu

7464: Hedonic Diversity Games: A Complexity Picture with More than Two Colors
Robert Ganian, Thekla Hamm, Dušan Knop, Šimon Schierreich, Ondřej Suchý

7487: Liquid Democracy with Ranked Delegations
Markus Brill, Théo Delemazure, Anne-Marie George, Martin Lackner, Ulrike Schmidt-Kraepelin

7488: SiamTrans: Zero-Shot Multi-Frame Image Restoration with Pre-Trained Siamese Transformers
Lin Liu, Shanxin Yuan, Jianzhuang Liu, Xin Guo, Youliang Yan, Qi Tian

7494: Sequence-to-Action: Grammatical Error Correction with Action Guided Sequence Generation
Jiquan Li, Junliang Guo, Yongxin Zhu, Xin Sheng, Deqiang Jiang, Bo Ren, Linli Xu

7499: DeepStochLog: Neural Stochastic Logic Programming
Thomas Winters, Giuseppe Marra, Robin Manhaeve, Luc De Raedt

7512: MAPDP: Cooperative Multi-Agent Reinforcement Learning to Solve Pickup and Delivery Problems
Zefang Zong, Meng Zheng, Yong Li, Depeng Jin

7522: Improving 360 Monocular Depth Estimation via Non-Local Dense Prediction Transformer and Joint Supervised and Self-Supervised Learning
Ilwi Yun, Hyuk-Jae Lee, Chae Eun Rhee

7524: How Private Is Your RL Policy? An Inverse RL Based Analysis Framework
Kritika Prakash, Fiza Husain, Praveen Paruchuri, Sujit Gujar

7528: SyncTalkFace: Talking Face Generation with Precise Lip-Syncing via Audio-Lip Memory
Se Jin Park, Minsu Kim, Joanna Hong, Jeongsoo Choi, Yong Man Ro

7529: Individual Representation in Approval-Based Committee Voting
Markus Brill, Jonas Israel, Evi Micha, Jannik Peters

7546: Can Vision Transformers Learn without Natural Images?
Kodai Nakashima, Hirokatsu Kataoka, Asato Matsumoto, Kenji Iwata, Nakamasa Inoue, Yutaka Satoh

7549: Heterogeneity-Aware Twitter Bot Detection with Relational Graph Transformers
Shangbin Feng, Zhaoxuan Tan, Rui Li, Minnan Luo

7552: A Computable Definition of the Spectral Bias
Jonas Kiessling, Filip Thor

7556: Guide Local Feature Matching by Overlap Estimation
Ying Chen, Dihe Huang, Shang Xu, Jianlin Liu, Yong Liu

7578: The Complexity of Learning Approval-Based Multiwinner Voting Rules
Ioannis Caragiannis, Karl Fehrs

7586: Multi-Head Modularization to Leverage Generalization Capability in Multi-Modal Networks
Jun-Tae Lee, Hyunsin Park, Sungrack Yun, Simyung Chang

7594: Resistance Training Using Prior Bias: Toward Unbiased Scene Graph Generation
Chao Chen, Yibing Zhan, Baosheng Yu, Liu Liu, Yong Luo, Bo Du

7605: Choices Are Not Independent: Stackelberg Security Games with Nested Quantal Response Models
Tien Mai, Arunesh Sinha

7620: Sparse-RS: A Versatile Framework for Query-Efficient Sparse Black-Box Adversarial Attacks
Francesco Croce, Maksym Andriushchenko, Naman D. Singh, Nicolas Flammarion, Matthias Hein

7624: Learning to Identify Top Elo Ratings with A Dueling Bandits Approach
Xue Yan, Yali Du, Binxin Ru, Jun Wang, Haifeng Zhang, Xu Chen

7645: Algorithmic Concept-Based Explainable Reasoning
Dobrik Georgiev, Pietro Barbiero, Dmitry Kazhdan, Petar Veličković, Pietro Lió

7665: Formal Semantics and Formally Verified Validation for Temporal Planning
Mohammad Abdulaziz, Lukas Koller

7690: Linearity-Aware Subspace Clustering
Yesong Xu, Shuo Chen, Jun Li, Jianjun Qian

7693: Online Elicitation of Necessarily Optimal Matchings
Jannik Peters

7731: A Fusion-Denoising Attack on InstaHide with Data Augmentation
Xinjian Luo, Xiaokui Xiao, Yuncheng Wu, Juncheng Liu, Beng Chin Ooi

7736: Incomplete Argumentation Frameworks: Properties and Complexity
Gianvincenzo Alfano, Sergio Greco, Francesco Parisi, Irina Trubitsyna

7747: Attribute-based Progressive Fusion Network for RGBT Tracking
Yun Xiao, Mengmeng Yang, Chenglong Li, Lei Liu, Jin Tang

7782: TIGGER: Scalable Generative Modelling for Temporal Interaction Graphs
Shubham Gupta, Sahil Manchanda, Srikanta Bedathur, Sayan Ranu

7788: Deep Clustering of Text Representations for Supervision-Free Probing of Syntax
Vikram Gupta, Haoyue Shi, Kevin Gimpel, Mrinmaya Sachan

7801: Covered Information Disentanglement: Model Transparency via Unbiased Permutation Importance
João P. B. Pereira, Erik S.G. Stroes, Aeilko H. Zwinderman, Evgeni Levin

7807: ApproxASP - A Scalable Approximate Answer Set Counter
Mohimenu Kabir, Flavio Everardo, Ankit Shukla, Markus Hecher, Johannes K. Fichte, Kuldeep Meel

7820: GNN-Retro: Retrosynthetic Planning with Graph Neural Networks
Peng Han, Peilin Zhao, Chan Lu, Junzhou Huang, Jiayang Wu, Shuo Shang, Bin Yao, Xiangliang Zhang

7842: Certified Symmetry and Dominance Breaking for Combinatorial Optimisation
Bart Bogaerts, Stephan Gocht, Ciaran McCreesh, Jakob Nordström

7860: Improving Neural Cross-Lingual Abstractive Summarization via Employing Optimal Transport Distance for Knowledge Distillation
Thong Nguyen, Luu Anh Tuan

7862: Random Mapping Method for Large-Scale Terrain Modeling
Xu Liu, Decai Li, Yuqing He

7927: ACGNet: Action Complement Graph Network for Weakly-Supervised Temporal Action Localization
Zichen Yang, Jie Qin, Di Huang

7929: Practical Fixed-Parameter Algorithms for Defending Active Directory Style Attack Graphs
Mingyu Guo, Jialiang Li, Aneta Neumann, Frank Neumann, Hung Nguyen

7931: Interpretable Generative Adversarial Networks
Chao Li, Kelu Yao, Jin Wang, Boyu Diao, Yongjun Xu, Quanshi Zhang

7933: Estimation of Local Average Treatment Effect by Data Combination
Kazuhiko Shinoda, Takahiro Hoshino

7935: Probing Word Syntactic Representations in the Brain by a Feature Elimination Method
Xiaohan Zhang, Shaonan Wang, Nan Lin, Jiajun Zhang, Chengqing Zong

7936: Multiscale Generative Models: Improving Performance of a Generative Model Using Feedback from Other Dependent Generative Models
Changyu Chen, Avinandan Bose, Shih-Fen Cheng, Arunesh Sinha

7966: UCTransNet: Rethinking the Skip Connections in U-Net from a Channel-Wise Perspective with Transformer
Haonan Wang, Peng Cao, Jiaqi Wang, Osmar R. Zaiane

7979: Equal Bits: Enforcing Equally Distributed Binary Network Weights
Yunqiang Li, Silvia L. Pintea, Jan C. van Gemert

7985: Span-Based Semantic Role Labeling with Argument Pruning and Second-Order Inference
Zixia Jia, Zhaohui Yan, Haoyi Wu, Kewei Tu

8000: *MLink*: Linking Black-Box Models for Collaborative Multi-Model Inference
Mu Yuan, Lan Zhang, Xiang-Yang Li

8001: TrustAL: Trustworthy Active Learning Using Knowledge Distillation
Beong-Woo Kwak, Youngwook Kim, Yu Jin Kim, Seung-Won Hwang, Jinyoung Yeo

8011: Dual Task Framework for Improving Persona-Grounded Dialogue Dataset
Minju Kim, Beong-Woo Kwak, Youngwook Kim, Hong-In Lee, Seung-Won Hwang, Jinyoung Yeo

8015: Almost Full EFX Exists for Four Agents
Ben Berger, Avi Cohen, Michal Feldman, Amos Fiat

8021: Handling Slice Permutations Variability in Tensor Recovery
Jingjing Zheng, Xiaoqin Zhang, Wenzhe Wang, Xianta Jiang

8025: OAM: An Option-Action Reinforcement Learning Framework for Universal Multi-Intersection Control
Enming Liang, Zicheng Su, Chilin Fang, Renxin Zhong

8037: Dynamic Key-Value Memory Enhanced Multi-Step Graph Reasoning for Knowledge-Based Visual Question Answering
Mingxiao Li, Marie-Francine Moens

8039: Curiosity-Driven Exploration via Latent Bayesian Surprise
Pietro Mazzaglia, Ozan Catal, Tim Verbelen, Bart Dhoedt

8048: Learning Robust Policy Against Disturbance in Transition Dynamics via State-Conservative Policy Optimization
Yufei Kuang, Miao Lu, Jie Wang, Qi Zhou, Bin Li, Houqiang Li

8053: End-to-End Transformer Based Model for Image Captioning
Yiyu Wang, Jungang Xu, Yingfei Sun

8073: DetIE: Multilingual Open Information Extraction Inspired by Object Detection
Michael Vasilkovsky, Anton Alekseev, Valentin Malykh, Ilya Shenbin, Elena Tutubalina, Dmitriy Salikhov, Mikhail Stepnov, Andrey Chertok, Sergey Nikolenko

8081: Unsupervised Sentence Representation via Contrastive Learning with Mixing Negatives
Yanzhao Zhang, Richong Zhang, Samuel Mensah, Xudong Liu, Yongyi Mao

8088: FedInv: Byzantine-Robust Federated Learning by Inversing Local Model Updates
Bo Zhao, Peng Sun, Tao Wang, Keyu Jiang

8099: Separated Contrastive Learning for Organ-at-Risk and Gross-Tumor-Volume Segmentation with Limited Annotation
Jiacheng Wang, Xiaomeng Li, Yiming Han, Jing Qin, Liansheng Wang, Qichao Zhou

8101: GEQCA: Generic Qualitative Constraint Acquisition
Mohamed-Bachir Belaid, Nassim Belmecheri, Arnaud Gotlieb, Nadjib Lazaar, Helge Spieker

8105: Locality Matters: A Scalable Value Decomposition Approach for Cooperative Multi-Agent Reinforcement Learning
Roy Zohar, Shie Mannor, Guy Tennenholtz

8112: When Shift Operation Meets Vision Transformer: An Extremely Simple Alternative to Attention Mechanism
Guangting Wang, Yucheng Zhao, Chuanxin Tang, Chong Luo, Wenjun Zeng

8130: Resolving Inconsistencies in Simple Temporal Problems: A Parameterized Approach
Konrad K. Dabrowski, Peter Jonsson, Sebastian Ordyniak, George Osipov

8139: Controlling Underestimation Bias in Reinforcement Learning via Quasi-Median Operation
Wei Wei, Yujia Zhang, Jiye Liang, Lin Li, Yuze Li

8149: The Complexity of Temporal Vertex Cover in Small-Degree Graphs
Thekla Hamm, Nina Klobas, George B. Mertzios, Paul G. Spirakis

8152: *Q-Ball*: Modeling Basketball Games Using Deep Reinforcement Learning
Chen Yanai, Adir Solomon, Gilad Katz, Bracha Shapira, Lior Rokach

8153: FCA: Learning a 3D Full-Coverage Vehicle Camouflage for Multi-View Physical Adversarial Attack
Donghua Wang, Tingsong Jiang, Jialiang Sun, Weien Zhou, Zhiqiang Gong, Xiaoya Zhang, Wen Yao, Xiaoqian Chen

8168: Contrastive Spatio-Temporal Pretext Learning for Self-Supervised Video Representation
Yujia Zhang, Lai-Man Po, Xuyuan Xu, Mengyang Liu, Yexin Wang, Weifeng Ou, Yuzhi Zhao, Wing-Yin Yu

8170: A Label Dependence-aware Sequence Generation Model for Multi-level Implicit Discourse Relation Recognition
Changxing Wu, Liuwen Cao, Yubin Ge, Yang Liu, Min Zhang, Jinsong Su

8184: Entropy Estimation via Normalizing Flow
Ziqiao Ao, Jinglai Li

8186: Confidence Calibration for Intent Detection via Hyperspherical Space and Rebalanced Accuracy-Uncertainty Loss
Yantao Gong, Cao Liu, Fan Yang, Xunliang Cai, Guanglu Wan, Jiansong Chen, Weipeng Zhang, Houfeng Wang

8198: ASP-Based Declarative Process Mining
Francesco Chiariello, Fabrizio Maria Maggi, Fabio Patrizi

8228: Towards Ultra-Resolution Neural Style Transfer via Thumbnail Instance Normalization
Zhe Chen, Wenhai Wang, Enze Xie, Tong Lu, Ping Luo

8238: Protecting Intellectual Property of Language Generation APIs with Lexical Watermark
Xuanli He, Qionikai Xu, Lingjuan Lyu, Fangzhao Wu, Chenguang Wang

8261: Knowledge Bridging for Empathetic Dialogue Generation
Qintong Li, Piji Li, Zhaochun Ren, Pengjie Ren, Zhumin Chen

8291: Cooperative Multi-Agent Fairness and Equivariant Policies
Niko A. Grupen, Bart Selman, Daniel D. Lee

8295: Imbalance-Aware Uplift Modeling for Observational Data
Xuanying Chen, Zhining Liu, Li Yu, Liuyi Yao, Wenpeng Zhang, Yi Dong, Lihong Gu, Xiaodong Zeng, Yize Tan, Jinjie Gu

8296: A Divide and Conquer Algorithm for Predict+Optimize with Non-Convex Problems
Ali Ugur Guler, Emir Demirovic, Jeffrey Chan, James Bailey, Christopher Leckie, Peter J. Stuckey

8303: Exploring Relational Semantics for Inductive Knowledge Graph Completion
Changjian Wang, Xiaofei Zhou, Shirui Pan, Linhua Dong, Zeliang Song, Ying Sha

8309: DisenCite: Graph-Based Disentangled Representation Learning for Context-Specific Citation Generation
Yifan Wang, Yiping Song, Shuai Li, Chaoran Cheng, Wei Ju, Ming Zhang, Sheng Wang

8332: Explainable Metaphor Identification Inspired by Conceptual Metaphor Theory
Mengshi Ge, Rui Mao, Erik Cambria

8335: Approval-Based Committee Voting under Incomplete Information
Aviram Imber, Jonas Israel, Markus Brill, Benny Kimelfeld

8336: The FF Heuristic for Lifted Classical Planning
Augusto B. Corrêa, Florian Pommerening, Malte Helmert, Guillem Francès

8344: LOREN: Logic-Regularized Reasoning for Interpretable Fact Verification
Jiangjie Chen, Qiaoben Bao, Changzhi Sun, Xinbo Zhang, Jiase Chen, Hao Zhou, Yanghua Xiao, Lei Li

8359: Rendering-Aware HDR Environment Map Prediction From a Single Image
Jun-Peng Xu, Chen-Yu Zuo, Fang-Lue Zhang, Miao Wang

8365: Is Discourse Role Important for Emotion Recognition in Conversation?
Donovan Ong, Jian Su, Bin Chen, Anh Tuan Luu, Ashok Narendranath, Yue Li, Shuqi Sun, Yingzhan Lin, Haifeng Wang

8368: Concentration Network for Reinforcement Learning of Large-Scale Multi-Agent Systems
Qingxu Fu, Tenghai Qiu, Jianqiang Yi, Zhiqiang Pu, Shiguang Wu

8373: Team Correlated Equilibria in Zero-Sum Extensive-Form Games via Tree Decompositions
Brian Hu Zhang, Tuomas Sandholm

8378: SAIL: Self-Augmented Graph Contrastive Learning
Lu Yu, Shichao Pei, Lizhong Ding, Jun Zhou, Longfei Li, Chuxu Zhang, Xiangliang Zhang

8379: TVT: Three-Way Vision Transformer through Multi-Modal Hypersphere Learning for Zero-Shot Sketch-Based Image Retrieval
Jialin Tian, Xing Xu, Fumin Shen, Yang Yang, Heng Tao Shen

8384: Monotone Abstractions in Ontology-Based Data Management
Gianluca Cima, Marco Console, Maurizio Lenzerini, Antonella Poggi

8406: Amplitude Spectrum Transformation for Open Compound Domain Adaptive Semantic Segmentation
Jogendra Nath Kundu, Akshay Kulkarni, Suvaansh Bhambri, Varun Jampani, R. Venkatesh Babu

8424: Reinforcement Learning based Dynamic Model Combination for Time Series Forecasting
Yuwei Fu, Di Wu, Benoit Boulet

8447: On Testing for Discrimination Using Causal Models
Hana Chockler, Joseph Y. Halpern

8450: Fast and Data Efficient Reinforcement Learning from Pixels via Non-Parametric Value Approximation
Alexander Long, Alan Blair, Herke van Hoof

8457: Unsupervised Editing for Counterfactual Stories
Jiangjie Chen, Chun Gan, Sijie Cheng, Hao Zhou, Yanghua Xiao, Lei Li

8460: Characterization of Incentive Compatibility of an Ex-Ante Constrained Player
Bonan Ni, Pingzhong Tang

8469: The Complexity of Proportionality Degree in Committee Elections
Łukasz Janeczko, Piotr Faliszewski

8470: Polygon-to-Polygon Distance Loss for Rotated Object Detection
Yang Yang, Jifeng Chen, Xiaopin Zhong, Yuanlong Deng

8475: TransFG: A Transformer Architecture for Fine-Grained Recognition
Ju He, Jie-Neng Chen, Shuai Liu, Adam Kortylewski, Cheng Yang, Yutong Bai, Changhu Wang

8477: On Probabilistic Generalization of Backdoors in Boolean Satisfiability
Alexander Semenov, Artem Pavlenko, Daniil Chivilikhin, Stepan Kochemazov

8490: StepGame: A New Benchmark for Robust Multi-Hop Spatial Reasoning in Texts
Zhengxiang Shi, Qiang Zhang, Aldo Lipani

8491: Multi-Relational Graph Representation Learning with Bayesian Gaussian Process Network
Guanzheng Chen, Jinyuan Fang, Zaiqiao Meng, Qiang Zhang, Shangsong Liang

8493: Transfer Learning for Color Constancy via Statistic Perspective
Yuxiang Tang, Xuejing Kang, Chunxiao Li, Zhaowen Lin, Anlong Ming

8499: A Provably-Efficient Model-Free Algorithm for Infinite-Horizon Average-Reward Constrained Markov Decision Processes
Honghao Wei, Xin Liu, Lei Ying

8503: Debiasing NLU Models via Causal Intervention and Counterfactual Reasoning
Bing Tian, Yixin Cao, Yong Zhang, Chunxiao Xing

8535: Admissible Policy Teaching through Reward Design
Kiarash Banihashem, Adish Singla, Jiarui Gan, Goran Radanovic

8538: Enhancing Counterfactual Classification Performance via Self-Training
Ruijiang Gao, Max Biggs, Wei Sun, Ligong Han

8541: ALP: Data Augmentation Using Lexicalized PCFGs for Few-Shot Text Classification
Hazel Kim, Daecheol Woo, Seong Joon Oh, Jeong-Won Cha, Yo-Sub Han

8551: SPATE-GAN: Improved Generative Modeling of Dynamic Spatio-Temporal Patterns with an Autoregressive Embedding Loss
Konstantin Klemmer, Tianlin Xu, Beatrice Acciaio, Daniel B. Neill

8557: Large-Neighbourhood Search for Optimisation in Answer-Set Solving
Thomas Eiter, Tobias Geibinger, Nelson Higuera Ruiz, Nysret Musliu, Johannes Oetsch, Daria Stepanova

8561: Graph-Wise Common Latent Factor Extraction for Unsupervised Graph Representation Learning
Thilini Cooray, Ngai-Man Cheung

8575: Zero-Shot Cross-Lingual Machine Reading Comprehension via Inter-Sentence Dependency Graph
Liyang Xu, Xuchao Zhang, Bo Zong, Yanchi Liu, Wei Cheng, Jingchao Ni, Haifeng Chen, Liang Zhao, Jinho D. Choi

8577: Bag Graph: Multiple Instance Learning Using Bayesian Graph Neural Networks
Soumyasundar Pal, Antonios Valkanas, Florence Regol, Mark Coates

8585: Learning Large DAGs by Combining Continuous Optimization and Feedback Arc Set Heuristics
Pierre Gillot, Pekka Parviainen

8601: Dynamic Manifold Learning for Land Deformation Forecasting
Fan Zhou, Rongfan Li, Qiang Gao, Goce Trajcevski, Kunpeng Zhang, Ting Zhong

8610: OoDHDR-Codec: Out-of-Distribution Generalization for HDR Image Compression
Linfeng Cao, Aofan Jiang, Wei Li, Huaying Wu, Nanyang Ye

8611: Deciding Unsolvability in Temporal Planning under Action Non-Self-Overlapping
Stefan Panjkovic, Andrea Micheli, Alessandro Cimatti

8615: Truth-Tracking via Approval Voting: Size Matters
Tahar Allouche, Jerome Lang, Florian Yger

8631: Domain Disentangled Generative Adversarial Network for Zero-Shot Sketch-Based 3D Shape Retrieval
Rui Xu, Zongyan Han, Le Hui, Jianjun Qian, Jin Xie

8641: Zero-Shot Audio Source Separation through Query-Based Learning from Weakly-Labeled Data
Ke Chen, Xingjian Du, Bilei Zhu, Zejun Ma, Taylor Berg-Kirkpatrick, Shlomo Dubnov

8651: Conjugated Discrete Distributions for Distributional Reinforcement Learning
Björn Lindenberg, Jonas Nordqvist, Karl-Olof Lindahl

8658: Sparse Structure Learning via Graph Neural Networks for Inductive Document Classification
Yinhua Piao, Sangseon Lee, Dohoon Lee, Sun Kim

8669: Learning by Competition of Self-Interested Reinforcement Learning Agents
Stephen Chung

8679: Online Search with Best-Price and Query-Based Predictions
Spyros Angelopoulos, Shahin Kamali, Dehou Zhang

8686: A Little Charity Guarantees Fair Connected Graph Partitioning
Ioannis Caragiannis, Evi Micha, Nisarg Shah

8689: Teaching Humans When to Defer to a Classifier via Exemplars
Hussein Mozannar, Arvind Satyanarayan, David Sontag

8694: Mitigating Reporting Bias in Semi-Supervised Temporal Commonsense Inference with Probabilistic Soft Logic
Bibo Cai, Xiao Ding, Bowen Chen, Li Du, Ting Liu

8695: Towards Off-Policy Learning for Ranking Policies with Logged Feedback
Teng Xiao, Suhang Wang

8700: Reliability Exploration with Self-Ensemble Learning for Domain Adaptive Person Re-Identification
Zongyi Li, Yuxuan Shi, Hefei Ling, Jiazhong Chen, Qian Wang, Fengfan Zhou

8716: Learning from Mistakes - A Framework for Neural Architecture Search
Bhanu Garg, Li Zhang, Pradyumna Sridhara, Ramtin Hosseini, Eric Xing, Pengtao Xie

8720: Unifying Knowledge Base Completion with PU Learning to Mitigate the Observation Bias
Jonas Schouterden, Jessa Bekker, Jesse Davis, Hendrik Blockeel

8756: Enforcement Heuristics for Argumentation with Deep Reinforcement Learning
Dennis Craandijk, Floris Bex

8757: Efficient Encoding of Cost Optimal Delete-Free Planning as SAT
Masood Feyzbakhsh Rankooh, Jussi Rintanen

8766: The Complexity of Subelection Isomorphism Problems
Piotr Faliszewski, Krzysztof Sornat, Stanisław Szufa

8768: Towards Versatile Pedestrian Detector with Multisensory-Matching and Multispectral Recalling Memory
Jung Uk Kim, Sungjune Park, Yong Man Ro

8777: Graph Pointer Neural Networks
Tianmeng Yang, Yujing Wang, Zhihan Yue, Yaming Yang, Yunhai Tong, Jing Bai

8809: TS2Vec: Towards Universal Representation of Time Series
Zhihan Yue, Yujing Wang, Juanyong Duan, Tianmeng Yang, Congrui Huang, Yunhai Tong, Bixiong Xu

8814: Weakly Supervised Neuro-Symbolic Module Networks for Numerical Reasoning over Text
Amrita Saha, Shafiq Joty, Steven Hoi

8828: Machine Learning for Online Algorithm Selection under Censored Feedback
Alexander Tornede, Viktor Bengs, Eyke Hüllermeier

8829: fGOT: Graph Distances based on Filters and Optimal Transport
Hermína Petric Maretic, Mireille El Gheche, Giovanni Chierchia, Pascal Frossard

8833: How General-Purpose Is a Language Model? Usefulness and Safety with Human Prompters in the Wild
P A M Casares, Bao Sheng Loe, John Burden, Sean hEigartaigh, José Hernández-Orallo

8838: Spiking Neural Networks with Improved Inherent Recurrence Dynamics for Sequential Learning
Wachirawit Ponghiran, Kaushik Roy

8854: Backdoor Attacks on the DNN Interpretation System
Shihong Fang, Anna Choromanska

8858: Predicting Physical World Destinations for Commands Given to Self-Driving Cars
Dusan Grujicic, Thierry Deruyttere, Marie-Francine Moens, Matthew Blaschko

8879: When AI Difficulty Is Easy: The Explanatory Power of Predicting IRT Difficulty
Fernando Martínez-Plumed, David Castellano-Falcón, Carlos Monserrat, José Hernández-Orallo

8885: Qubit Routing Using Graph Neural Network Aided Monte Carlo Tree Search
Animesh Sinha, Utkarsh Azad, Harjinder Singh

8892: Tractable Abstract Argumentation via Backdoor-Treewidth
Wolfgang Dvořák, Markus Hecher, Matthias König, André Schidler, Stefan Szeider, Stefan Woltran

8896: Propositional Encodings of Acyclicity and Reachability by Using Vertex Elimination
Masood Feyzbakhsh Rankooh, Jussi Rintanen

8902: Synthesis from Satisficing and Temporal Goals
Suguman Bansal, Lydia Kavvaki, Moshe Y. Vardi, Andrew Wells

8906: GoTube: Scalable Statistical Verification of Continuous-Depth Models
Sophie Gruenbacher, Mathias Lechner, Ramin Hasani, Daniela Rus, Thomas A Henzinger, Scott A. Smolka, Radu Grosu

8915: Robust Optimal Classification Trees Against Adversarial Examples
Daniël Vos, Sicco Verwer

8927: Safe Subgame Resolving for Extensive Form Correlated Equilibrium
Chun Kai Ling, Fei Fang

9930: Bounding Quality in Diverse Planning
Michael Katz, Shirin Sohrabi, Octavian Udrea

9932: TDv2: A Novel Tree-Structured Decoder for Offline Mathematical Expression Recognition
Changjie Wu, Jun Du, Yunqing Li, Jianshu Zhang, Chen Yang, Bo Ren, Yiqing Hu

9945: Fortunately, Discourse Markers Can Enhance Language Models for Sentiment Analysis
Liat Ein-Dor, Ilya Shnayderman, Artem Spector, Lena Dankin, Ranit Aharonov, Noam Slonim

9950: Neuro-Symbolic Inductive Logic Programming with Logical Neural Networks
Prithviraj Sen, Breno W. S. R. de Carvalho, Ryan Riegel, Alexander Gray

9956: The SoftCumulative Constraint with Quadratic Penalty
Yanick Ouellet, Claude-Guy Quimper

9966: Signaling in Posted Price Auctions
Matteo Castiglioni, Giulia Romano, Alberto Marchesi, Nicola Gatti

9968: ProgressiveMotionSeg: Mutually Reinforced Framework for Event-Based Motion Segmentation
Jinze Chen, Yang Wang, Yang Cao, Feng Wu, Zheng-Jun Zha

9971: Multi-Leader Congestion Games with an Adversary
Tobias Harks, Mona Henle, Max Klimm, Jannik Matuschke, Anja Schedel

9981: OctAttention: Octree-Based Large-Scale Contexts Model for Point Cloud Compression
Chunyang Fu, Ge Li, Rui Song, Wei Gao, Shan Liu

10037: A* Search and Bound-Sensitive Heuristics for Oversubscription Planning
Michael Katz, Emil Keyder

10039: Lifelong Generative Modelling Using Dynamic Expansion Graph Model
Fei Ye, Adrian G. Bors

10040: Better Parameter-Free Stochastic Optimization with ODE Updates for Coin-Betting
Keyi Chen, John Langford, Francesco Orabona

10048: JFB: Jacobian-Free Backpropagation for Implicit Networks
Samy Wu Fung, Howard Heaton, Qiuwei Li, Daniel Mckenzie, Stanley Osher, Wotao Yin

10049: Breaking the Convergence Barrier: Optimization via Fixed-Time Convergent Flows
Param Budhraja, Mayank Baranwal, Kunal Garg, Ashish Hota

10065: Learning V1 Simple Cells with Vector Representation of Local Content and Matrix Representation of Local Motion
Ruiqi Gao, Jianwen Xie, Siyuan Huang, Yufan Ren, Song-Chun Zhu, Ying Nian Wu

10075: NaturalInversion: Data-Free Image Synthesis Improving Real-World Consistency
Yujin Kim, Dogyun Park, Dohee Kim, Suhyun Kim

10103: CPRAL: Collaborative Panoptic-Regional Active Learning for Semantic Segmentation
Yu Qiao, Jincheng Zhu, Chengjiang Long, Zeyao Zhang, Yuxin Wang, Zhenjun Du, Xin Yang

10105: When Can the Defender Effectively Deceive Attackers in Security Games?
Thanh Nguyen, Haifeng Xu

10112: Theoretical Guarantees of Fictitious Discount Algorithms for Episodic Reinforcement Learning and Global Convergence of Policy Gradient Methods
Xin Guo, Anran Hu, Junzi Zhang

10133: Planning with Biological Neurons and Synapses
Francesco d'Amore, Daniel Mitropolsky, Pierluigi Crescenzi, Emanuele Natale, Christos H. Papadimitriou

10138: Formula Synthesis in Propositional Dynamic Logic with Shuffle
Sophie Pinchinat, Sasha Rubin, Francois Schwarzentruer

10144: On Causally Disentangled Representations
Abbavaram Gowtham Reddy, Benin Godfrey, Vineeth N Balasubramanian

10147: Context-Based Contrastive Learning for Scene Text Recognition
Xinyun Zhang, Binwu Zhu, Xufeng Yao, Qi Sun, Ruiyu Li, Bei Yu

10158: Neural Interferometry: Image Reconstruction from Astronomical Interferometers Using Transformer-Conditioned Neural Fields
Benjamin Wu, Benjamin Eckart, Chao Liu, Jan Kautz

10168: Differentially Describing Groups of Graphs
Corinna Coupette, Sebastian Dalleiger, Jilles Vreeken

10183: Expressivity of Planning with Horn Description Logic Ontologies
Stefan Borgwardt, Jörg Hoffmann, Alisa Kovtunova, Markus Krötzsch, Bernhard Nebel, Marcel Steinmetz

10187: Attention Biasing and Context Augmentation for Zero-Shot Control of Encoder-Decoder Transformers for Natural Language Generation
Devamanyu Hazarika, Mahdi Namazifar, Dilek Hakkani-Tür

10191: Gradient-Based Novelty Detection Boosted by Self-Supervised Binary Classification
Jingbo Sun, Li Yang, Jiaxin Zhang, Frank Liu, Mahantesh Halappanavar, Deliang Fan, Yu Cao

10200: LUNA: Localizing Unfamiliarity Near Acquaintance for Open-Set Long-Tailed Recognition

Jiarui Cai, Yizhou Wang, Hung-Min Hsu, Jenq-Neng Hwang, Kelsey Magrane, Craig Rose

10203: Policy Optimization with Stochastic Mirror Descent

Long Yang, Yu Zhang, Gang Zheng, Qian Zheng, Pengfei Li, Jianhang Huang, Gang Pan

10208: Efficiency of Ad Auctions with Price Displaying

Matteo Castiglioni, Diodato Ferraioli, Nicola Gatti, Alberto Marchesi, Giulia Romano

10209: Amortized Generation of Sequential Algorithmic Recourses for Black-Box Models

Sahil Verma, Keegan Hines, John P. Dickerson

10221: Enhanced Story Comprehension for Large Language Models through Dynamic Document-Based Knowledge Graphs

Berkeley Andrus, Yeganeh Nasiri, Jay Cui, Ben Cullen, Nancy Fulda

10244: Unit Selection with Causal Diagram

Ang Li, Judea Pearl

10248: Introducing Symmetries to Black Box Meta Reinforcement Learning

Louis Kirsch, Sebastian Flennerhag, Hado van Hasselt, Abram Friesen, Junhyuk Oh, Yutian Chen

10254: ContrastNet: A Contrastive Learning Framework for Few-Shot Text Classification

Junfan Chen, Richong Zhang, Yongyi Mao, Jie Xu

10256: Bounds on Causal Effects and Application to High Dimensional Data

Ang Li, Judea Pearl

10258: Compilation of Aggregates in ASP Systems

Giuseppe Mazzotta, Francesco Ricca, Carmine Dodaro

10260: Naming the Most Anomalous Cluster in Hilbert Space for Structures with Attribute Information

Janis Kalofolias, Jilles Vreeken

10268: Answering Queries with Negation over Existential Rules

Stefan Ellmauthaler, Markus Krötzsch, Stephan Mennicke

10276: Combating Collusion Rings is Hard but Possible

Niclas Boehmer, Robert Brederbeck, André Nichterlein

10280: Rushing and Strolling among Answer Sets - Navigation Made Easy

Johannes Klaus Fichte, Sarah Alice Gaggl, Dominik Rusovac

10297: Zero-Shot Out-of-Distribution Detection Based on the Pre-Trained Model CLIP

Sepideh Esmaeilpour, Bing Liu, Eric Robertson, Lei Shu

10299: Decompose the Sounds and Pixels, Recompose the Events

Varshanth R. Rao, Md Ibrahim Khalil, Haoda Li, Peng Dai, Juwei Lu

10312: Learning from the Tangram to Solve Mini Visual Tasks

Yizhou Zhao, Liang Qiu, Pan Lu, Feng Shi, Tian Han, Song-Chun Zhu

10325: ErfAct and Pserf: Non-Monotonic Smooth Trainable Activation Functions

Koushik Biswas, Sandeep Kumar, Shilpak Banerjee, Ashish Kumar Pandey

10327: The Metric Distortion of Multiwinner Voting
Ioannis Caragiannis, Nisarg Shah, Alexandros A. Voudouris

10355: On Improving Resource Allocations by Sharing
Robert Brederbeck, Andrzej Kaczmarczyk, Junjie Luo, Rolf Niedermeier, Florian Sachse

10361: Chess as a Testbed for Language Model State Tracking
Shubham Toshniwal, Sam Wiseman, Karen Livescu, Kevin Gimpel

10371: EMVLight: A Decentralized Reinforcement Learning Framework for Efficient Passage of Emergency Vehicles
Haoran Su, Yaofeng Desmond Zhong, Biswadip Dey, Amit Chakraborty

10386: Oscillatory Fourier Neural Network: A Compact and Efficient Architecture for Sequential Processing
Bing Han, Cheng Wang, Kaushik Roy

10390: Language Model Priming for Cross-Lingual Event Extraction
Steven Fincke, Shantanu Agarwal, Scott Miller, Elizabeth Boschee

10391: Subset Approximation of Pareto Regions with Bi-Objective A*
Jorge A. Baier, Carlos Hernández, Nicolás Rivera

10392: Towards Automated Discovery of God-Like Folk Algorithms for Rubik's Cube
Garrett E. Katz, Naveed Tahir

10433: 6DCNN with Roto-Translational Convolution Filters for Volumetric Data Processing
Dmitrii Zhemchuzhnikov, Ilia Igashov, Sergei Grudin

10434: Learning Unseen Emotions from Gestures via Semantically-Conditioned Zero-Shot Perception with Adversarial Autoencoders
Abhishek Banerjee, Uttaran Bhattacharya, Aniket Bera

10463: LeSICiN: A Heterogeneous Graph-Based Approach for Automatic Legal Statute Identification from Indian Legal Documents
Shounak Paul, Pawan Goyal, Saptarshi Ghosh

10470: An Axiomatic Approach to Revising Preferences
Adrian Haret, Johannes P. Wallner

10471: First Order Rewritability in Ontology-Mediated Querying in Horn Description Logics
David Toman, Grant Weddell

10489: FedSoft: Soft Clustered Federated Learning with Proximal Local Updating
Yichen Ruan, Carlee Joe-Wong

10503: Equivalence in Argumentation Frameworks with a Claim-Centric View – Classical Results with Novel Ingredients
Ringo Baumann, Anna Rapberger, Markus Ulbricht

10504: Cross-Lingual Adversarial Domain Adaptation for Novice Programming
Ye Mao, Farzaneh Khoshnevisan, Thomas Price, Tiffany Barnes, Min Chi

10537: Neural Networks Classify through the Class-Wise Means of Their Representations
Mohamed El Amine Seddik, Mohamed Tamaazousti

10547: Predicting Above-Sentence Discourse Structure using Distant Supervision from Topic Segmentation
Patrick Huber, Linzi Xing, Giuseppe Carenini

10549: Inconsistent Planning: When in Doubt, Toss a Coin!
Yuriy Dementiev, Fedor V. Fomin, Artur Ignatiev

10557: Safe Online Convex Optimization with Unknown Linear Safety Constraints
Sapana Chaudhary, Dileep Kalathil

10567: CTIN: Robust Contextual Transformer Network for Inertial Navigation
Bingbing Rao, Ehsan Kazemi, Yifan Ding, Devu M Shila, Frank M. Tucker, Liqiang Wang

10575: NICE: Robust Scheduling through Reinforcement Learning-Guided Integer Programming
Luke Kenworthy, Siddharth Nayak, Christopher Chin, Hamsa Balakrishnan

10576: Diverse, Global and Amortised Counterfactual Explanations for Uncertainty Estimates
Dan Ley, Umang Bhatt, Adrian Weller

10577: Deterministic and Discriminative Imitation (D2-Imitation): Revisiting Adversarial Imitation for Sample Efficiency
Mingfei Sun, Sam Devlin, Katja Hofmann, Shimon Whiteson

10579: Stability Verification in Stochastic Control Systems via Neural Network Supermartingales
Mathias Lechner, Đorđe Žikelić, Krishnendu Chatterjee, Thomas A. Henzinger

10605: Constraint-Driven Explanations for Black-Box ML Models
Aditya A. Shrotri, Nina Narodytska, Alexey Ignatiev, Kuldeep S. Meel, Joao Marques-Silva, Moshe Y. Vardi

10606: Learning to Transfer with von Neumann Conditional Divergence
Ammar Shaker, Shujian Yu, Daniel Oñoro-Rubio

10608: PUMA: Performance Unchanged Model Augmentation for Training Data Removal
Ga Wu, Masoud Hashemi, Christopher Srinivasa

10612: Learning Mixture of Domain-Specific Experts via Disentangled Factors for Autonomous Driving
Inhan Kim, Joonyeong Lee, Daijin Kim

10614: Self-Adaptive Imitation Learning: Learning Tasks with Delayed Rewards from Sub-Optimal Demonstrations
Zhuangdi Zhu, Kaixiang Lin, Bo Dai, Jiayu Zhou

10623: Efficient Dialog Policy Learning by Reasoning with Contextual Knowledge
Haodi Zhang, Zhichao Zeng, Keting Lu, Kaishun Wu, Shiqi Zhang

10627: Using Conditional Independence for Belief Revision
Matthew James Lynn, James P. Delgrande, Pavlos Peppas

10634: CAISE: Conversational Agent for Image Search and Editing
Hyoungun Kim, Doo Soon Kim, Seunghyun Yoon, Franck Dernoncourt, Trung Bui, Mohit Bansal

10642: Backprop-Free Reinforcement Learning with Active Neural Generative Coding
Alexander G. Ororbia, Ankur Mali

10647: Toward Physically Realizable Quantum Neural Networks
Mohsen Heidari, Ananth Grama, Wojciech Szpankowski

10689: ISEEQ: Information Seeking Question Generation using Dynamic Meta-Information Retrieval and Knowledge Graphs

Manas Gaur, Kalpa Gunaratna, Vijay Srinivasan, Hongxia Jin

10694: AXM-Net: Implicit Cross-Modal Feature Alignment for Person Re-Identification

Ammarah Farooq, Muhammad Awais, Josef Kittler, Syed Safwan Khalid

10696: Deceptive Decision-Making under Uncertainty

Yagiz Savas, Christos K. Verginis, Ufuk Topcu

10699: CC-Cert: A Probabilistic Approach to Certify General Robustness of Neural Networks

Mikhail Pautov, Nurislam Tursynbek, Marina Munkhoeva, Nikita Muravev, Aleksandr Petiushko, Ivan Oseledets

10708: Multiple-Source Domain Adaptation via Coordinated Domain Encoders and Paired Classifiers

Payam Karisani

10717: Tractable Explanations for d-DNNF Classifiers

Xuanxiang Huang, Yacine Izza, Alexey Ignatiev, Martin C Cooper, Nicholas Asher, Joao Marques-Silva

10730: STEPS: Semantic Typing of Event Processes with a Sequence-to-Sequence Approach

Sveva Pepe, Edoardo Barba, Rexhina Blloshmi, Roberto Navigli

10735: Proportional Public Decisions

Piotr Skowron, Adrian Górecki

10742: Federated Dynamic Sparse Training: Computing Less, Communicating Less, Yet Learning Better

Sameer Bibikar, Haris Vikalo, Zhangyang Wang, Xiaohan Chen

10774: From Fully Trained to Fully Random Embeddings: Improving Neural Machine Translation with Compact Word Embedding Tables

Krtin Kumar, Peyman Passban, Mehdi Rezagholizadeh, Yiusing Lau, Qun Liu

10793: Fast Payoff Matrix Sparsification Techniques for Structured Extensive-Form Games

Gabriele Farina, Tuomas Sandholm

10794: Explain, Edit, and Understand: Rethinking User Study Design for Evaluating Model Explanations

Siddhant Arora, Danish Pruthi, Norman Sadeh, William W. Cohen, Zachary C. Lipton, Graham Neubig

10802: Generalization in Mean Field Games by Learning Master Policies

Sarah Perrin, Mathieu Lauriere, Julien Perolat, Romuald Elie, Matthieu Geist, Olivier Pietquin

10807: Planning to Avoid Side Effects

Toryn Q. Klassen, Sheila A. McIlraith, Christian Muise, Jarvis Xu

10816: Shrub Ensembles for Online Classification

Sebastian Buschjäger, Sibylle Hess, Katharina Morik

10835: Incorporating Item Frequency for Differentially Private Set Union

Ricardo Silva Carvalho, Ke Wang, Lovedeep Gondara

10841: Knowledge Distillation via Constrained Variational Inference

Ardavan Saeedi, Yuria Utsumi, Li Sun, Kayhan Batmanghelich, Li-wei H. Lehman

10854: SSAST: Self-Supervised Audio Spectrogram Transformer
Yuan Gong, Cheng-I Jeff Lai, Yu-An Chung, James Glass

10857: Offline Interactive Recommendation with Natural-Language Feedback
Ruiyi Zhang, Tong Yu, Yilin Shen, Hongxia Jin

10861: DeepGPD: A Deep Learning Approach for Modeling Geospatio-Temporal Extreme Events
Tyler Wilson, Pang-Ning Tan, Lifeng Luo

10866: Fractional Adaptive Linear Units
Julio Zamora, Anthony D. Rhodes, Lama Nachman

10867: A Distributional Framework for Risk-Sensitive End-to-End Planning in Continuous MDPs
Noah Patton, Jihwan Jeong, Michael Gimelfarb, Scott Sanner

10872: Differential Assessment of Black-Box AI Agents
Rashmeet Kaur Nayyar, Pulkit Verma, Siddharth Srivastava

10893: Online Influence Maximization with Node-Level Feedback Using Standard Offline Oracles
Zhijie Zhang, Wei Chen, Xiaoming Sun, Jialin Zhang

10902: DDG-DA: Data Distribution Generation for Predictable Concept Drift Adaptation
Wendi Li, Xiao Yang, Weiqing Liu, Yingce Xia, Jiang Bian

10914: Event-Aware Multimodal Mobility Nowcasting
Zhaonan Wang, Renhe Jiang, Hao Xue, Flora D. Salim, Xuan Song, Ryosuke Shibasaki

10929: Efficient Decentralized Stochastic Gradient Descent Method for Nonconvex Finite-Sum Optimization Problems
Wenkang Zhan, Gang Wu, Hongchang Gao

10930: I-SEA: Importance Sampling and Expected Alignment-Based Deep Distance Metric Learning for Time Series Analysis and Embedding
Sirisha Rambhatla, Zhengping Che, Yan Liu

10931: ApproxIFER: A Model-Agnostic Approach to Resilient and Robust Prediction Serving Systems
Mahdi Soleymani, Ramy E. Ali, Hessam Mahdaviifar, A. Salman Avestimehr

10938: Control-Oriented Model-Based Reinforcement Learning with Implicit Differentiation
Evgenii Nikishin, Romina Abachi, Rishabh Agarwal, Pierre-Luc Bacon

11006: Provable Sensor Sets for Epidemic Detection over Networks with Minimum Delay
Jack Heavey, Jiaming Cui, Chen Chen, B. Aditya Prakash, Anil Vullikanti

11011: Semi-Supervised Learning with Multi-Head Co-Training
Mingcai Chen, Yuntao Du, Yi Zhang, Shuwei Qian, Chongjun Wang

11013: Sample-Efficient Reinforcement Learning via Conservative Model-Based Actor-Critic
Zhihai Wang, Jie Wang, Qi Zhou, Bin Li, Houqiang Li

11021: TempoQR: Temporal Question Reasoning over Knowledge Graphs
Costas Mavromatis, Prasanna Lakkur Subramanyam, Vassilis N. Ioannidis, Soji Adeshina, Phillip R. Howard, Tetiana Grinberg, Nagib Hakim, George Karypis

11023: MuMu: Cooperative Multitask Learning-Based Guided Multimodal Fusion
Md Mofijul Islam, Tariq Iqbal

11028: Pushing the Limits of Rule Reasoning in Transformers through Natural Language Satisfiability
Kyle Richardson, Ashish Sabharwal

11035: Sample Average Approximation for Stochastic Optimization with Dependent Data: Performance Guarantees and Tractability
Yafei Wang, Bo Pan, Wei Tu, Peng Liu, Bei Jiang, Chao Gao, Wei Lu, Shangling Jui, Linglong Kong

11081: Learning Human Driving Behaviors with Sequential Causal Imitation Learning
Kangrui Ruan, Xuan Di

11084: An Evaluative Measure of Clustering Methods Incorporating Hyperparameter Sensitivity
Siddhartha Mishra, Nicholas Monath, Michael Boratko, Ariel Kobren, Andrew McCallum

11130: Robust Heterogeneous Graph Neural Networks against Adversarial Attacks
Mengmei Zhang, Xiao Wang, Meiqi Zhu, Chuan Shi, Zhiqiang Zhang, Jun Zhou

11141: Role of Human-AI Interaction in Selective Prediction
Elizabeth Bondi, Raphael Koster, Hannah Sheahan, Martin Chadwick, Yoram Bachrach, Taylan Cemgil, Ulrich Paquet, Krishnamurthy (Dj) Dvijotham

11144: Locally Fair Partitioning
Pankaj K. Agarwal, Shao-Heng Ko, Erin Taylor, Kamesh Munagala

11159: First-Order Convex Fitting and Its Application to Economics and Optimization
Quinlan Dawkins, Minbiao Han, Haifeng Xu

11166: Automated Synthesis of Generalized Invariant Strategies via Counterexample-Guided Strategy Refinement
Kailun Luo, Yongmei Liu

11170: An Algorithmic Introduction to Savings Circles
Rediet Abebe, Adam Eck, Christian Ikeokwu, Samuel Taggart

11197: Transformer with Memory Replay
Rui Liu, Barzan Mozafari

11205: Generation-Focused Table-Based Intermediate Pre-Training for Free-Form Question Answering
Peng Shi, Patrick Ng, Feng Nan, Henghui Zhu, Jun Wang, Jiarong Jiang, Alexander Hanbo Li, Rishav Chakravarti, Donald Weidner, Bing Xiang, Zhiguo Wang

11209: Blindfolded Attackers Still Threatening: Strict Black-Box Adversarial Attacks on Graphs
Jiarong Xu, Yizhou Sun, Xin Jiang, Yanhao Wang, Chunping Wang, Jiangang Lu, Yang Yang

11217: Local and Global Convergence of General Burer-Monteiro Tensor Optimizations
Shuang Li, Qiuwei Li

11219: Unsupervised Anomaly Detection by Robust Density Estimation
Boyang Liu, Pang-Ning Tan, Jiayu Zhou

11227: The Strange Role of Information Asymmetry in Auctions --- Does More Accurate Value Estimation Benefit A Bidder?
Haifeng Xu, Ruggiero Cavallo

11235: Learning Losses for Strategic Classification
Tosca Lechner, Ruth Urner

11237: SAS: Self-Augmentation Strategy for Language Model Pre-Training
Yifei Xu, Jingqiao Zhang, Ru He, Liangzhu Ge, Chao Yang, Cheng Yang, Ying Nian Wu

11263: MuMuQA: Multimedia Multi-Hop News Question Answering via Cross-Media Knowledge Extraction and Grounding
Revanth Gangi Reddy, Xilin Rui, Manling Li, Xudong Lin, Haoyang Wen, Jaemin Cho, Lifu Huang, Mohit Bansal, Avi Sil, Shih-Fu Chang, Alexander Schwing, Heng Ji

11284: Geometry Interaction Knowledge Graph Embeddings
Zongsheng Cao, Qianqian Xu, Zhiyong Yang, Xiaochun Cao, Qingming Huang

11299: Heterogeneous Peer Effects in the Linear Threshold Model
Christopher Tran, Elena Zheleva

11343: Probing Linguistic Information for Logical Inference In Pre-Trained Language Models
Zeming Chen, Qiyue Gao

11392: Learning Bounded Context-Free-Grammar via LSTM and the Transformer: Difference and the Explanations.
Hui Shi, Sicun Gao, Yuandong Tian, Xinyun Chen, Jishen Zhao

11397: Shaping Noise for Robust Attributions in Neural Stochastic Differential Equations
Sumit Kumar Jha, Rickard Ewetz, Alvaro Velasquez, Arvind Ramanathan, Susmit Jha

11407: FedFR: Joint Optimization Federated Framework for Generic and Personalized Face Recognition
Chih-Ting Liu, Chien-Yi Wang, Shao-Yi Chien, Shang-Hong Lai

11427: Conditional Generative Model Based Predicate-Aware Query Approximation
Nikhil Sheoran, Subrata Mitra, Vibhor Porwal, Siddharth Ghetia, Jatin Varshney, Tung Mai, Anup Rao, Vikas Maddukuri

11431: Sample-Efficient Iterative Lower Bound Optimization of Deep Reactive Policies for Planning in Continuous MDPs
Siow Meng Low, Akshat Kumar, Scott Sanner

11517: SepFusion: Finding Optimal Fusion Structures for Visual Sound Separation
Dongzhan Zhou, Xinchu Zhou, Di Hu, Hang Zhou, Lei Bai, Ziwei Liu, Wanli Ouyang

11521: Subspace Differential Privacy
Jie Gao, Ruobin Gong, Fang-Yi Yu

11561: A Semi-Supervised Learning Approach with Two Teachers to Improve Breakdown Identification in Dialogues
Qian Lin, Hwee Tou Ng

11602: Classifying Emails into Human vs Machine Category
Changsung Kang, Hongwei Shang, Jean-Marc Langlois

11627: SplitFed: When Federated Learning Meets Split Learning
Chandra Thapa, M.A.P. Chamikara, Seyit Camtepe, Lichao Sun

11631: VAST: The Valence-Assessing Semantics Test for Contextualizing Language Models

Robert Wolfe, Aylin Caliskan

11640: Learning Temporal Point Processes for Efficient Retrieval of Continuous Time Event Sequences
Vinayak Gupta, Srikanta Bedathur, Abir De

11645: SGD-X: A Benchmark for Robust Generalization in Schema-Guided Dialogue Systems
Harrison Lee, Raghav Gupta, Abhinav Rastogi, Yuan Cao, Bin Zhang, Yonghui Wu

11659: A Nested Bi-Level Optimization Framework for Robust Few Shot Learning
Krishnateja Killamsetty, Changbin Li, Chen Zhao, Feng Chen, Rishabh Iyer

11669: Trusted Multi-View Deep Learning with Opinion Aggregation
Wei Liu, Xiaodong Yue, Yufei Chen, Thierry Denooux

11694: AutoGCL: Automated Graph Contrastive Learning via Learnable View Generators
Yihang Yin, Qingzhong Wang, Siyu Huang, Haoyi Xiong, Xiang Zhang

11707: STEM: Unsupervised STructural EMbedding for Stance Detection
Ron Korenblum Pick, Vladyslav Kozhukhov, Dan Vilenchik, Oren Tsur

11745: Graph Transplant: Node Saliency-Guided Graph Mixup with Local Structure Preservation
Joonhyung Park, Hajin Shim, Eunho Yang

11757: Top-Down Deep Clustering with Multi-Generator GANs
Daniel de Mello, Renato Assunção, Fabricio Murai

11762: HiTKG: Towards Goal-Oriented Conversations via Multi-Hierarchy Learning
Jinjie Ni, Vlad Pandealea, Tom Young, Haicang Zhou, Erik Cambria

11767: C2L: Causally Contrastive Learning for Robust Text Classification
Seungtaek Choi, Myeongho Jeong, Hojae Han, Seung-won Hwang

11780: Label-Efficient Hybrid-Supervised Learning for Medical Image Segmentation
Junwen Pan, Qi Bi, Yanzhan Yang, Pengfei Zhu, Cheng Bian

11783: Visual Definition Modeling: Challenging Vision & Language Models to Define Words and Objects
Bianca Scarlini, Tommaso Pasini, Roberto Navigli

11791: Lower Bounds on Intermediate Results in Bottom-Up Knowledge Compilation
Alexis de Colnet, Stefan Mengel

11805: Efficient Device Scheduling with Multi-Job Federated Learning
Chendi Zhou, Ji Liu, Juncheng Jia, Jingbo Zhou, Yang Zhou, Huaiyu Dai, Dejing Dou

11811: A Variant of Concurrent Constraint Programming on GPU
Pierre Talbot, Frédéric Pinel, Pascal Bouvry

11825: Nice Perfume. How Long did You Marinate in It? Multimodal Sarcasm Explanation
Poorav Desai, Tanmoy Chakraborty, Md Shad Akhtar

11845: GALAXY: A Generative Pre-Trained Model for Task-Oriented Dialog with Semi-Supervised Learning and Explicit Policy Injection
Wanwei He, Yinpei Dai, Yinhe Zheng, Yuchuan Wu, Zheng Cao, Dermot Liu, Peng Jiang, Min Yang, Fei Huang, Luo Si, Jian Sun, Yongbin Li

11849: Unsupervised Adversarially Robust Representation Learning on Graphs
Jiarong Xu, Yang Yang, Junru Chen, Xin Jiang, Chungping Wang, Jiangan Lu, Yizhou Sun

11851: Interpretable Neural Subgraph Matching for Graph Retrieval
Indradyumna Roy, Venkata Sai Velugoti, Soumen Chakrabarti, Abir De

11877: Distributed Randomized Sketching Kernel Learning
Rong Yin, Yong Liu, Dan Meng

11898: Saliency Grafting: Innocuous Attribution-Guided Mixup with Calibrated Label Mixing
Joonhyung Park, June Yong Yang, Jinwoo Shin, Sung Ju Hwang, Eunho Yang

11920: Fixation Maximization in the Positional Moran Process
Joachim Brendborg, Panagiotis Karras, Andreas Pavlogiannis, Asger Ullersted Rasmussen, Josef Tkadlec

11931: Are Vision-Language Transformers Learning Multimodal Representations? A Probing Perspective.
Emmanuelle Salin, Badreddine Farah, Stéphane Ayache, Benoit Favre

11964: Iteratively Selecting an Easy Reference Frame Makes Unsupervised Video Object Segmentation Easier
Youngjo Lee, Hongje Seong, Euntai Kim

11985: Multi-Scale Distillation from Multiple Graph Neural Networks
Chunhai Zhang, Jie Liu, Kai Dang, Wenzheng Zhang

11986: Synthetic Disinformation Attacks on Automated Fact Verification Systems
Yibing Du, Antoine Bosselut, Christopher D. Manning

11998: Regularizing Graph Neural Networks via Consistency-Diversity Graph Augmentations
Deyu Bo, Binbin Hu, Xiao Wang, Zhiqiang Zhang, Chuan Shi, Jun Zhou

12023: Online Task Assignment Problems with Reusable Resources
Hanna Sumita, Shinji Ito, Kei Takemura, Daisuke Hatano, Takuro Fukunaga, Naonori Kakimura, Ken-ichi Kawarabayashi

12027: FactorVAE: A Probabilistic Dynamic Factor Model Based on Variational Autoencoder for Predicting Cross-Sectional Stock Returns
Yitong Duan, Lei Wang, Qizhong Zhang, Jian Li

12056: HAGEN: Homophily-Aware Graph Convolutional Recurrent Network for Crime Forecasting
Chenyu Wang, Zongyu Lin, Xiaochen Yang, Jiao Sun, Mingxuan Yue, Cyrus Shahabi

12065: No Task Left Behind: Multi-Task Learning of Knowledge Tracing and Option Tracing for Better Student Assessment
Suyeong An, Junghoon Kim, Minsam Kim, Juneyoung Park

12088: Dynamic Nonlinear Matrix Completion for Time-Varying Data Imputation
Jicong Fan

12131: Play the Shannon Game With Language Models: A Human-Free Approach to Summary Evaluation
Nicholas Egan, Oleg Vasilyev, John Bohannon

12161: Linear-Time Verification of Data-Aware Dynamic Systems with Arithmetic
Paolo Felli, Marco Montali, Sarah Winkler

12184: Deep Reinforcement Learning Policies Learn Shared Adversarial Features Across MDPs
Ezgi Korkmaz

12194: Random Tensor Theory for Tensor Decomposition
Mohamed Ouerfelli, Mohamed Tamaazousti, Vincent Rivasseau

12195: Modification-Fair Cluster Editing
Vincent Froese, Leon Kellerhals, Rolf Niedermeier

12256: Using MaxSAT for Efficient Explanations of Tree Ensembles
Alexey Ignatiev, Yacine Izza, Peter J. Stuckey, Joao Marques-Silva

12266: CINS: Comprehensive Instruction for Few-Shot Learning in Task-Oriented Dialog Systems
Fei Mi, Yasheng Wang, Yitong Li

12268: An Online Learning Approach to Sequential User-Centric Selection Problems
Junpu Chen, Hong Xie

12282: Shard Systems: Scalable, Robust and Persistent Multi-Agent Path Finding with Performance Guarantees
Christopher Leet, Jiaoyang Li, Sven Koenig

12302: Transcoded Video Restoration by Temporal Spatial Auxiliary Network
Xu Li, Gang He, Jinjia Zhou, Jie Lei, Weiyang Xie, Yunsong Li, Yu-Wing Tai

12327: What About Inputting Policy in Value Function: Policy Representation and Policy-Extended Value Function Approximator
Hongyao Tang, Zhaopeng Meng, Jianye Hao, Chen Chen, Daniel Graves, Dong Li, Changmin Yu, Hangyu Mao, Wulong Liu, Yaodong Yang, Wenyuan Tao, Li Wang

12332: Towards Fine-Grained Reasoning for Fake News Detection
Yiqiao Jin, Xiting Wang, Ruichao Yang, Yizhou Sun, Wei Wang, Hao Liao, Xing Xie

12341: Hybrid Curriculum Learning for Emotion Recognition in Conversation
Lin Yang, Yi Shen, Yue Mao, LongJun Cai

12379: Learning to Solve Routing Problems via Distributionally Robust Optimization
Yuan Jiang, Yaoxin Wu, Zhiguang Cao, Jie Zhang

12427: Visual Consensus Modeling for Video-Text Retrieval
Shuqiang Cao, Bairui Wang, Wei Zhang, Lin Ma

12428: Towards Building ASR Systems for the Next Billion Users
Tahir Javed, Sumanth Doddapaneni, Abhigyan Raman, Kaushal Santosh Bhogale, Gowtham Ramesh, Anoop Kunchukuttan, Pratyush Kumar, Mitesh M. Khapra

12440: Adversarial Bone Length Attack on Action Recognition
Nariki Tanaka, Hiroshi Kera, Kazuhiko Kawamoto

12457: Random vs. Best-First: Impact of Sampling Strategies on Decision Making in Model-Based Diagnosis
Patrick Rodler

12481: Ranking Info Noise Contrastive Estimation: Boosting Contrastive Learning via Ranked Positives
David T. Hoffmann, Nadine Behrmann, Juergen Gall, Thomas Brox, Mehdi Noroozi

12483: Towards Debiasing DNN Models from Spurious Feature Influence
Mengnan Du, Ruixiang Tang, Weijie Fu, Xia Hu

12486: With False Friends Like These, Who Can Notice Mistakes?
Lue Tao, Lei Feng, Jinfeng Yi, Songcan Chen

12487: Implicit Gradient Alignment in Distributed and Federated Learning
Yatin Dandi, Luis Barba, Martin Jaggi

12491: Coordinating Followers to Reach Better Equilibria: End-to-End Gradient Descent for Stackelberg Games
Kai Wang, Lily Xu, Andrew Perrault, Michael K. Reiter, Milind Tambe

12492: Optimization for Classical Machine Learning Problems on the GPU
Sören Laue, Mark Blacher, Joachim Giesen

12496: DuMLP-Pin: A Dual-MLP-Dot-Product Permutation-Invariant Network for Set Feature Extraction
Jiajun Fei, Ziyu Zhu, Wenlei Liu, Zhidong Deng, Mingyang Li, Huanjun Deng, Shuo Zhang

12501: Hypergraph Modeling via Spectral Embedding Connection: Hypergraph Cut, Weighted Kernel \mathcal{K} -Means, and Heat Kernel
Shota Saito

12502: Planning with Participation Constraints
Hanrui Zhang, Yu Cheng, Vincent Conitzer

12511: Nested Hierarchical Transformer: Towards Accurate, Data-Efficient and Interpretable Visual Understanding
Zizhao Zhang, Han Zhang, Long Zhao, Ting Chen, Sercan Ö. Arik, Tomas Pfister

12514: Do Feature Attribution Methods Correctly Attribute Features?
Yilun Zhou, Serena Booth, Marco Tulio Ribeiro, Julie Shah

12515: Improved Gradient Based Adversarial Attacks for Quantized Networks
Kartik Gupta, Thalayasingam Ajanthan

12517: Clustering Interval-Censored Time-Series for Disease Phenotyping
Irene Y. Chen, Rahul G. Krishnan, David Sontag

12518: A Lyapunov-Based Methodology for Constrained Optimization with Bandit Feedback
Semih Cayci, Yilin Zheng, Atilla Eryilmaz

12523: Constrained Prescriptive Trees via Column Generation
Shivaram Subramanian, Wei Sun, Youssef Drissi, Markus Ettl

12531: Efficient Continuous Control with Double Actors and Regularized Critics
Jiafei Lyu, Xiaoteng Ma, Jiangpeng Yan, Xiu Li

12532: Mutual Nearest Neighbor Contrast and Hybrid Prototype Self-Training for Universal Domain Adaptation
Liang Chen, Qianjin Du, Yihang Lou, Jianzhong He, Tao Bai, Minghua Deng

12541: A Hybrid Causal Structure Learning Algorithm for Mixed-Type Data
Yan Li, Rui Xia, Chunchen Liu, Liang Sun

12545: Deformable Graph Convolutional Networks

Jinyoung Park, Sungdong Yoo, Jihwan Park, Hyunwoo J. Kim

12547: AutoBERT-Zero: Evolving BERT Backbone from Scratch

Jiahui Gao, Hang Xu, Han Shi, Xiaozhe Ren, Philip L. H. Yu, Xiaodan Liang, Xin Jiang, Zhenguo Li

12550: Training a Resilient Q-Network against Observational Interference

Chao-Han Huck Yang, I-Te Danny Hung, Yi Ouyang, Pin-Yu Chen

12553: Feedback Gradient Descent: Efficient and Stable Optimization with Orthogonality for DNNs

Fanchen Bu, Dong Eui Chang

12554: DISTREAL: Distributed Resource-Aware Learning in Heterogeneous Systems

Martin Rapp, Ramin Khalili, Kilian Pfeiffer, Jörg Henkel

12571: Robust Adversarial Reinforcement Learning with Dissipation Inequation Constraint

Peng Zhai, Jie Luo, Zhiyan Dong, Lihua Zhang, Shunli Wang, Dingkang Yang

12572: Partial Wasserstein Covering

Keisuke Kawano, Satoshi Koide, Keisuke Otaki

12574: Unsupervised Reinforcement Learning in Multiple Environments

Mirco Mutti, Mattia Mancassola, Marcello Restelli

12585: Bayesian Persuasion in Sequential Decision-Making

Jiarui Gan, Rupak Majumdar, Goran Radanovic, Adish Singla

12587: Learning Influence Adoption in Heterogeneous Networks

Vincent Conitzer, Debmalya Panigrahi, Hanrui Zhang

12589: Reverse Differentiation via Predictive Coding

Tommaso Salvatori, Yuhang Song, Zhenghua Xu, Thomas Lukasiewicz, Rafal Bogacz

12600: Simultaneously Learning Stochastic and Adversarial Bandits under the Position-Based Model

Cheng Chen, Canzhe Zhao, Shuai Li

12601: Rethinking Pseudo Labels for Semi-Supervised Object Detection

Hengduo Li, Zuxuan Wu, Abhinav Shrivastava, Larry S. Davis

12602: Group-Aware Threshold Adaptation for Fair Classification

Taeuk Jang, Pengyi Shi, Xiaoqian Wang

12610: An Experimental Design Approach for Regret Minimization in Logistic Bandits

Blake Mason, Kwang-Sung Jun, Lalit Jain

12611: How Good Are Low-Rank Approximations in Gaussian Process Regression?

Constantinos Daskalakis, Petros Dellaportas, Aristeidis Panos

12613: Label Hallucination for Few-Shot Classification

Yiren Jian, Lorenzo Torresani

12614: Style Mixing and Patchwise Prototypical Matching for One-Shot Unsupervised Domain Adaptive Semantic Segmentation

Xinyi Wu, Zhenyao Wu, Yuhang Lu, Lili Ju, Song Wang

12616: Online Apprenticeship Learning
Lior Shani, Tom Zahavy, Shie Mannor

12620: A Random CNN Sees Objects: One Inductive Bias of CNN and Its Applications
Yun-Hao Cao, Jianxin Wu

12621: Differentially Private Regret Minimization in Episodic Markov Decision Processes
Sayak Ray Chowdhury, Xingyu Zhou

12630: PRISM: A Rich Class of Parameterized Submodular Information Measures for Guided Data Subset Selection
Suraj Kothawade, Vishal Kaushal, Ganesh Ramakrishnan, Jeff Bilmes, Rishabh Iyer

12632: Sharp Restricted Isometry Property Bounds for Low-Rank Matrix Recovery Problems with Corrupted Measurements
Ziye Ma, Yingjie Bi, Javad Lavaei, Somayeh Sojoudi

12635: Less is More: Pay Less Attention in Vision Transformers
Zizheng Pan, Bohan Zhuang, Haoyu He, Jing Liu, Jianfei Cai

12649: Text Revision by On-the-Fly Representation Optimization
Jingjing Li, Zichao Li, Tao Ge, Irwin King, Michael R. Lyu

12658: On the Fairness of Causal Algorithmic Recourse
Julius von Kügelgen, Amir-Hossein Karimi, Umang Bhatt, Isabel Valera, Adrian Weller, Bernhard Schölkopf

12660: Transferring the Contamination Factor between Anomaly Detection Domains by Shape Similarity
Lorenzo Perini, Vincent Vercauteren, Jesse Davis

12664: DeformRS: Certifying Input Deformations with Randomized Smoothing
Motasem Alfarra, Adel Bibi, Naeemullah Khan, Philip H. S. Torr, Bernard Ghanem

12666: Blockwise Sequential Model Learning for Partially Observable Reinforcement Learning
Giseung Park, Sungho Choi, Youngchul Sung

12678: Task-Customized Self-Supervised Pre-Training with Scalable Dynamic Routing
Zhili Liu, Jianhua Han, Lanqing Hong, Hang Xu, Kai Chen, Chunjing Xu, Zhenguo Li

12688: Robust Action Gap Increasing with Clipped Advantage Learning
Zhe Zhang, Yaozhong Gan, Xiaoyang Tan

12691: Exploring Safer Behaviors for Deep Reinforcement Learning
Enrico Marchesini, Davide Corsi, Alessandro Farinelli

12693: Trading Complexity for Sparsity in Random Forest Explanations
Gilles Audemard, Steve Bellart, Lounès Bounia, Frédéric Koriche, Jean-Marie Lagniez, Pierre Marquis

12697: Local and Global Linear Convergence of General Low-Rank Matrix Recovery Problems
Yingjie Bi, Haixiang Zhang, Javad Lavaei

12704: Detailed Facial Geometry Recovery from Multi-View Images by Learning an Implicit Function
Yunze Xiao, Hao Zhu, Haotian Yang, Zhengyu Diao, Xiangju Lu, Xun Cao

12705: Zeroth-Order Optimization for Composite Problems with Functional Constraints
Zichong Li, Pin-Yu Chen, Sijia Liu, Songtao Lu, Yangyang Xu

12709: Efficient Vertex-Oriented Polytopic Projection for Web-Scale Applications
Rohan Ramanath, S. Sathiya Keerthi, Yao Pan, Konstantin Salomatin, Kinjal Basu

12714: Learning Advanced Client Selection Strategy for Federated Learning
Sai Qian Zhang, Jieyu Lin, Qi Zhang

12717: MOST-GAN: 3D Morphable StyleGAN for Disentangled Face Image Manipulation
Safa C. Medin, Bernhard Egger, Anoop Cherian, Ye Wang, Joshua B. Tenenbaum, Xiaoming Liu, Tim K. Marks

12721: Hindsight Network Credit Assignment: Efficient Credit Assignment in Networks of Discrete Stochastic Units
Kenny Young

12729: Deep Neural Networks Learn Meta-Structures from Noisy Labels in Semantic Segmentation
Yaoru Luo, Guole Liu, Yuanhao Guo, Ge Yang

12730: Adversarial Examples can be Effective Data Augmentation for Unsupervised Machine Learning
Chia-Yi Hsu, Pin-Yu Chen, Songtao Lu, Sijia Liu, Chia-Mu Yu

12737: Local Differential Privacy for Belief Functions
Qiyu Li, Chunlai Zhou, Biao Qin, Zhiqiang Xu

12742: Sublinear Time Approximation of Text Similarity Matrices
Archan Ray, Nicholas Monath, Andrew McCallum, Cameron Musco

12745: Prune and Tune Ensembles: Low-Cost Ensemble Learning with Sparse Independent Subnetworks
Tim Whitaker, Darrell Whitley

12753: Equilibrium Finding in Matrix Games Via Greedy Regret Minimization
Hugh Zhang, Adam Lerer, Noam Brown

12754: Multi-Agent Reinforcement Learning with General Utilities via Decentralized Shadow Reward Actor-Critic
Junyu Zhang, Amrit Singh Bedi, Mengdi Wang, Alec Koppel

12756: Efficient Algorithms for General Isotone Optimization
Xiwen Wang, Jiayi Ying, José Vinícius de M. Cardoso, Daniel P. Palomar

12758: Spatial Frequency Bias in Convolutional Generative Adversarial Networks
Mahyar Khayatkhoei, Ahmed Elgammal

12759: Fast and Robust Online Inference with Stochastic Gradient Descent via Random Scaling
Sokbae Lee, Myung Hwan Seo, Yuan Liao, Youngki Shin

12761: The Role of Adaptive Optimizers for Honest Private Hyperparameter Selection
Shubhankar Mohapatra, Sajin Sasy, Xi He, Gautam Kamath, Om Thakkar

12763: Learning Network Architecture for Open-Set Recognition
Xuelin Zhang, Xuelian Cheng, Donghao Zhang, Paul Bonnington, Zongyuan Ge

12769: Bandit Limited Discrepancy Search and Application to Machine Learning Pipeline Optimization
Akihiro Kishimoto, Djallel Bouneffouf, Radu Marinescu, Parikshit Ram, Ambrish Rawat, Martin Wistuba, Paulito Palmes, Adi Botea

12776: Boosting Active Learning via Improving Test Performance

Tianyang Wang, Xingjian Li, Pengkun Yang, Guosheng Hu, Xiangrui Zeng, Siyu Huang, Cheng-Zhong Xu, Min Xu

12784: Cross-Domain Empirical Risk Minimization for Unbiased Long-Tailed Classification
Beier Zhu, Yulei Niu, Xian-Sheng Hua, Hanwang Zhang

12793: Improving Scene Graph Classification by Exploiting Knowledge from Texts
Sahand Sharifzadeh, Sina Moayed Baharlou, Martin Schmitt, Hinrich Schütze, Volker Tresp

12801: Learning Adversarial Markov Decision Processes with Delayed Feedback
Tal Lancewicki, Aviv Rosenberg, Yishay Mansour

12809: Locally Private ϵ -Means Clustering with Constant Multiplicative Approximation and Near-Optimal Additive Error
Anamay Chaturvedi, Matthew Jones, Huy Lê Nguyễn

12811: Federated Nearest Neighbor Classification with a Colony of Fruit-Flies
Parikshit Ram, Kaushik Sinha

12812: Optimal Tensor Transport
Tanguy Kerdoncuff, Rémi Emonet, Michaël Perrot, Marc Sebban

12821: Robustification of Online Graph Exploration Methods
Franziska Eberle, Alexander Lindermayr, Nicole Megow, Lukas Nölke, Jens Schlöter

12822: Smoothing Advantage Learning
Yaozhong Gan, Zhe Zhang, Xiaoyang Tan

12823: Learning-Augmented Algorithms for Online Steiner Tree
Chenyang Xu, Benjamin Moseley

12829: Offline Reinforcement Learning as Anti-Exploration
Shideh Rezaeifar, Robert Dadashi, Nino Vieillard, Léonard Hussenot, Olivier Bachem, Olivier Pietquin, Matthieu Geist

12830: Adaptive Pairwise Weights for Temporal Credit Assignment
Zeyu Zheng, Risto Vuorio, Richard Lewis, Satinder Singh

12839: CADRE: A Cascade Deep Reinforcement Learning Framework for Vision-Based Autonomous Urban Driving
Yinuo Zhao, Kun Wu, Zhiyuan Xu, Zhengping Che, Qi Lu, Jian Tang, Chi Harold Liu

12840: Learning Action Translator for Meta Reinforcement Learning on Sparse-Reward Tasks
Yijie Guo, Qiucheng Wu, Honglak Lee

12843: Why Fair Labels Can Yield Unfair Predictions: Graphical Conditions for Introduced Unfairness
Carolyn Ashurst, Ryan Carey, Silvia Chiappa, Tom Everitt

12846: Optimistic Initialization for Exploration in Continuous Control
Samuel Lobel, Omer Gottesman, Cam Allen, Akhil Bagaria, George Konidaris

12847: An Adversarial Framework for Generating Unseen Images by Activation Maximization
Yang Zhang, Wang Zhou, Gaoyuan Zhang, David Cox, Shiyu Chang

12849: A Complete Criterion for Value of Information in Soluble Influence Diagrams
Chris van Merwijk, Ryan Carey, Tom Everitt

12851: PatchUp: A Feature-Space Block-Level Regularization Technique for Convolutional Neural Networks
Mojtaba Faramarzi, Mohammad Amini, Akilesh Badrinarayanan, Vikas Verma, Sarath Chandar

12856: Coordinate Descent on the Orthogonal Group for Recurrent Neural Network Training
Estelle Massart, Vinayak Abrol

12865: VACA: Designing Variational Graph Autoencoders for Causal Queries
Pablo Sanchez-Martin, Miriam Rateike, Isabel Valera

12866: Sparsification of Decomposable Submodular Functions
Akbar Rafiey, Yuichi Yoshida

12874: Latent Time Neural Ordinary Differential Equations
Srinivas Anumasa, P. K. Srijith

12878: Conditional Loss and Deep Euler Scheme for Time Series Generation
Carl Remlinger, Joseph Mikael, Romuald Elie

12882: Learning Expected Emphatic Traces for Deep RL
Ray Jiang, Shangdong Zhang, Veronica Chelu, Adam White, Hado van Hasselt

12884: The Semi-Random Likelihood of Doctrinal Paradoxes
Ao Liu, Lirong Xia

12890: Feature Importance Explanations for Temporal Black-Box Models
Akshay Sood, Mark Craven

12891: Graph Filtration Kernels
Till H. Schulz, Pascal Welke, Stefan Wrobel

12892: Demystifying Why Local Aggregation Helps: Convergence Analysis of Hierarchical SGD
Jiayi Wang, Shiqiang Wang, Rong-Rong Chen, Mingyue Ji

12897: Convergence and Optimality of Policy Gradient Methods in Weakly Smooth Settings
Matthew Shunshi Zhang, Murat A. Erdogdu, Animesh Garg

12900: Calibrated Nonparametric Scan Statistics for Anomalous Pattern Detection in Graphs
Chunpai Wang, Daniel B. Neill, Feng Chen

12901: Procrastinated Tree Search: Black-Box Optimization with Delayed, Noisy, and Multi-Fidelity Feedback
Junxiong Wang, Debabrota Basu, Immanuel Trummer

12902: Beyond GNNs: An Efficient Architecture for Graph Problems
Pranjal Awasthi, Abhimanyu Das, Sreenivas Gollapudi

12903: Inferring Lexicographically-Ordered Rewards from Preferences
Alihan Hüyük, William R. Zame, Mihaela van der Schaar

12905: MIP-GNN: A Data-Driven Framework for Guiding Combinatorial Solvers
Elias B. Khalil, Christopher Morris, Andrea Lodi

12909: Fourier Representations for Black-Box Optimization over Categorical Variables
Hamid Dadkhahi, Jesus Rios, Karthikeyan Shanmugam, Payel Das

12912: iDECODe: In-Distribution Equivariance for Conformal Out-of-Distribution Detection
Ramneet Kaur, Susmit Jha, Anirban Roy, Sangdon Park, Edgar Dobriban, Oleg Sokolsky, Insup Lee

12913: The Perils of Learning Before Optimizing
Chris Cameron, Jason Hartford, Taylor Lundy, Kevin Leyton-Brown

12915: Saving Stochastic Bandits from Poisoning Attacks via Limited Data Verification
Anshuka Rangi, Long Tran-Thanh, Haifeng Xu, Massimo Franceschetti

12916: RareGAN: Generating Samples for Rare Classes
Zinan Lin, Hao Liang, Giulia Fanti, Vyas Sekar

12921: Achieving Counterfactual Fairness for Causal Bandit
Wen Huang, Lu Zhang, Xintao Wu

12923: Learning Bayesian Networks in the Presence of Structural Side Information
Ehsan Mokhtarian, Sina Akbari, Fateme Jamshidi, Jalal Etesami, Negar Kiyavash

12929: Improving Biomedical Information Retrieval with Neural Retrievers
Man Luo, Arindam Mitra, Tejas Gokhale, Chitta Baral

12934: Recovering The Propensity Score From Biased Positive Unlabeled Data
Walter Gerych, Thomas Hartvigsen, Luke Buquicchio, Emmanuel Agu, Elke Rundensteiner

12937: On Optimizing Interventions in Shared Autonomy
Wei-hao Tan, David Koleczek, Siddhant Pradhan, Nicholas Perello, Vivek Chettiar, Vishal Rohra, Aaslesha Rajaram, Soundararajan Srinivasan, H M Sajjad Hossain, Yash Chandak

12945: Max-Margin Contrastive Learning
Anshul Shah, Suvrit Sra, Rama Chellappa, Anoop Cherian

12946: Partner-Aware Algorithms in Decentralized Cooperative Bandit Teams
Erdem Biyik, Anusha Lalitha, Rajarshi Saha, Andrea Goldsmith, Dorsa Sadigh

12948: Learning the Optimal Recommendation from Explorative Users
Fan Yao, Chuanhao Li, Denis Nekipelov, Hongning Wang, Haifeng Xu

12950: Distributed Learning with Strategic Users: A Repeated Game Approach
Abdullah Basar Akbay, Junshan Zhang

12951: Frozen Pretrained Transformers as Universal Computation Engines
Kevin Lu, Aditya Grover, Pieter Abbeel, Igor Mordatch

12953: Incentivizing Collaboration in Machine Learning via Synthetic Data Rewards
Sebastian Shenghong Tay, Xinyi Xu, Chuan Sheng Foo, Bryan Kian Hsiang Low

12954: A Deeper Understanding of State-Based Critics in Multi-Agent Reinforcement Learning
Xueguang Lyu, Andrea Baisero, Yuchen Xiao, Christopher Amato

12956: Eye of the Beholder: Improved Relation Generalization for Text-Based Reinforcement Learning Agents
Keerthiram Murugesan, Subhajit Chaudhury, Kartik Talamadupula

12960: Recursive Reasoning Graph for Multi-Agent Reinforcement Learning

Xiaobai Ma, David Isele, Jayesh K. Gupta, Kikuo Fujimura, Mykel J. Kochenderfer

12966: A Generalized Bootstrap Target for Value-Learning, Efficiently Combining Value and Feature Predictions
Anthony GX-Chen, Veronica Chelu, Blake A. Richards, Joelle Pineau

12967: Similarity Search for Efficient Active Learning and Search of Rare Concepts
Cody Coleman, Edward Chou, Julian Katz-Samuels, Sean Culatana, Peter Bailis, Alexander C. Berg, Robert Nowak, Roshan Sumbaly, Matei Zaharia, I. Zeki Yalniz

12969: Learn Goal-Conditioned Policy with Intrinsic Motivation for Deep Reinforcement Learning
Jinxin Liu, Donglin Wang, Qiangxing Tian, Zhengyu Chen

12972: Well-Classified Examples are Underestimated in Classification with Deep Neural Networks
Guangxiang Zhao, Wenkai Yang, Xuancheng Ren, Lei Li, Yunfang Wu, Xu Sun

12973: KAM Theory Meets Statistical Learning Theory: Hamiltonian Neural Networks with Non-Zero Training Loss
Yuhan Chen, Takashi Matsubara, Takaharu Yaguchi

12974: Sampling-Based Robust Control of Autonomous Systems with Non-Gaussian Noise
Thom S. Badings, Alessandro Abate, Nils Jansen, David Parker, Hasan A. Poonawala, Marielle Stoelinga

12978: Solving PDE-Constrained Control Problems using Operator Learning
Rakhoon Hwang, Jae Yong Lee, Jin Young Shin, Hyung Ju Hwang

12981: NoiseGrad — Enhancing Explanations by Introducing Stochasticity to Model Weights
Kirill Bykov, Anna Hedström, Shinichi Nakajima, Marina M.-C. Höhne

12982: Globally Optimal Hierarchical Reinforcement Learning for Linearly-Solvable Markov Decision Processes
Guillermo Infante, Anders Jonsson, Vicenç Gómez

12987: Reward-Weighted Regression Converges to a Global Optimum
Miroslav Strupl, Francesco Faccio, Dylan R. Ashley, Rupesh Kumar Srivastava, Jürgen Schmidhuber

12988: Detecting Misclassification Errors in Neural Networks with a Gaussian Process Model
Xin Qiu, Risto Miikkulainen

Special Track on AI for Social Impact

253: DevianceNet: Learning to Predict Deviance from A Large-Scale Geo-Tagged Dataset
Jin-Hwi Park, Young-Jae Park, Junoh Lee, Hae-Gon Jeon

439: Gradual (In)Compatibility of Fairness Criteria
Corinna Hertweck, Tim R  z

797: Knowledge Sharing via Domain Adaptation in Customs Fraud Detection
Sungwon Park, Sundong Kim, Meeyoung Cha

1095: Bandit Data-Driven Optimization for Crowdsourcing Food Rescue Platforms
Zheyuan Ryan Shi, Zhiwei Steven Wu, Rayid Ghani, Fei Fang

1420: Preserving Privacy in Federated Learning with Ensemble Cross-Domain Knowledge Distillation
Xuan Gong, Abhishek Sharma, Srikrishna Karanam, Ziyang Wu, Terrence Chen, David Doermann, Arun Innanje

1784: Longitudinal Fairness with Censorship
Wenbin Zhang, Jeremy C. Weiss

1959: COVID-EENet: Predicting Fine-Grained Impact of COVID-19 on Local Economies
Doyoung Kim, Hyangsuk Min, Youngeun Nam, Hwanjun Song, Susik Yoon, Minseok Kim, Jae-Gil Lee

2085: DRAG: Dynamic Region-Aware GCN for Privacy-Leaking Image Detection
Guang Yang, Juan Cao, Qiang Sheng, Peng Qi, Xirong Li, Jintao Li

2191: ChildrEN SafEty and Rescue (CENSER) System for Trafficked Children from Brothels in India
Raghu Vamshi Hemadri, Amarjot Singh, Ajeet Singh

2223: Interpreting Gender Bias in Neural Machine Translation: Multilingual Architecture Matters
Marta R. Costa-juss  , Carlos Escolano, Christine Basta, Javier Ferrando, Roser Batlle, Ksenia Kharitonova

2415: IS-Count: Large-Scale Object Counting from Satellite Images with Covariate-Based Importance Sampling
Chenlin Meng, Enci Liu, Willie Neiswanger, Jiaming Song, Marshall Burke, David Lobell, Stefano Ermon

2613: Bayesian Optimisation for Active Monitoring of Air Pollution
Sigrid Passano Hellan, Christopher G. Lucas, Nigel H. Goddard

2721: Fairness by "Where": A Statistically-Robust and Model-Agnostic Bi-Level Learning Framework
Yiqun Xie, Erhu He, Xiaowei Jia, Weiye Chen, Sergii Skakun, Han Bao, Zhe Jiang, Rahul Ghosh, Praveen Ravirathinam

3113: Investigations of Performance and Bias in Human-AI Teamwork in Hiring
Andi Peng, Besmira Nushi, Emre Kiciman, Kori Inkpen, Ece Kamar

3344: Learning Economic Indicators by Aggregating Multi-Level Geospatial Information
Sungwon Park, Sungwon Han, Donghyun Ahn, Jaeyeon Kim, Jeasurk Yang, Susang Lee, Seunghoon Hong, Jihee Kim, Sangyoon Park, Hyunjoo Yang, Meeyoung Cha

3874: Fair Conformal Predictors for Applications in Medical Imaging
Charles Lu, Andreean Lemay, Ken Chang, Kathi Hoebel, Jayashree Kalpathy-Cramer

4126: Transcribing Natural Languages for The Deaf via Neural Editing Programs
Dongxu Li, Chenchen Xu, Liu Liu, Yiran Zhong, Rong Wang, Lars Petersson, Hongdong Li

4335: Deep Movement Primitives: Toward Breast Cancer Examination Robot
Oluwatoyin Sanni, Giorgio Bonvicini, Muhammad Arshad Khan, Pablo C. Lopez-Custodio, Kiyanoush Nazari, Amir M. Ghalamzan E.

4614: Reducing Energy Consumption of Pressure Sensor Calibration Using Polynomial HyperNetworks with Fourier Features
Muhammad Sarmad, Mishal Fatima, Jawad Tayyub

5772: CODE: Contrastive Pre-Training with Adversarial Fine-Tuning for Zero-Shot Expert Linking
Bo Chen, Jing Zhang, Xiaokang Zhang, Xiaobin Tang, Lingfan Cai, Hong Chen, Cuiping Li, Peng Zhang, Jie Tang

5863: Optimal Local Explainer Aggregation for Interpretable Prediction
Qiaomei Li, Rachel Cummings, Yonatan Mintz

6229: Conditional Synthetic Data Generation for Robust Machine Learning Applications with Limited Pandemic Data
Hari Prasanna Das, Ryan Tran, Japjot Singh, Xiangyu Yue, Geoff Tison, Alberto Sangiovanni-Vincentelli, Costas J. Spanos

6416: A GNN-RNN Approach for Harnessing Geospatial and Temporal Information: Application to Crop Yield Prediction
Joshua Fan, Junwen Bai, Zhiyun Li, Ariel Ortiz-Bobea, Carla P. Gomes

6475: CausalGNN: Causal-Based Graph Neural Networks for Spatio-Temporal Epidemic Forecasting
Lijing Wang, Aniruddha Adiga, Jiangzhuo Chen, Adam Sadilek, Srinivasan Venkatramanan, Madhav Marathe

6612: D-Vlog: Multimodal Vlog Dataset for Depression Detection
Jeewoo Yoon, Chaewon Kang, Seungbae Kim, Jinyoung Han

6715: Adaptive Energy Management for Self-Sustainable Wearables in Mobile Health
Dina Hussein, Ganapati Bhat, Janardhan Rao Doppa

6900: Word Embeddings via Causal Inference: Gender Bias Reducing and Semantic Information Preserving
Lei Ding, Dengdeng Yu, Jinhan Xie, Wenxing Guo, Shenggang Hu, Meichen Liu, Linglong Kong, Hongsheng Dai, Yanchun Bao, Bei Jiang

6922: Field Study in Deploying Restless Multi-Armed Bandits: Assisting Non-Profits in Improving Maternal and Child Health
Aditya Mate, Lovish Madaan, Aparna Taneja, Neha Madhiwalla, Shresth Verma, Gargi Singh, Aparna Hegde, Pradeep Varakantham, Milind Tambe

7045: Personalized Public Policy Analysis In Social Sciences Using Causal-Graphical Normalizing Flows
Sourabh Balgi, Jose M. Peña, Adel Daoud

7121: Noninvasive Lung Cancer Early Detection via Deep Methylation Representation Learning
Xiangrui Cai, Jinsheng Tao, Shichao Wang, Zhiyu Wang, Jiaxian Wang, Mei Li, Hong Wang, Xixiang Tu, Hao Yang, Jian-Bing Fan, Hua Ji

7128: PrEF: Probabilistic Electricity Forecasting via Copula-Augmented State Space Model
Zhiyuan Wang, Xovee Xu, Goce Trajcevski, Kunpeng Zhang, Ting Zhong, Fan Zhou

7740: Sentence Simplification Capabilities of Transfer-Based Models
Sanja Štajner, Kim Cheng Sheang, Horacio Saggion

7742: *Unmasking the Mask* – Evaluating Social Biases in Masked Language Models
Masahiro Kaneko, Danushka Bollegala

7844: Learning the Physics of Particle Transport via Transformers
Oscar Pastor-Serrano, Zoltán Perkó

8802: LIMREF: Local Interpretable Model Agnostic Rule-Based Explanations for Forecasting, with an Application to Electricity Smart Meter Data
Dilini Rajapaksha, Christoph Bergmeir

10095: iGrow: A Smart Agriculture Solution to Autonomous Greenhouse Control
Xiaoyan Cao, Yao Yao, Lanqing Li, Wanpeng Zhang, Zhicheng An, Zhong Zhang, Li Xiao, Shihui Guo, Xiaoyu Cao, Meihong Wu, Dijun Luo

10449: Evaluating Explainable AI on a Multi-Modal Medical Imaging Task: Can Existing Algorithms Fulfill Clinical Requirements?
Weina Jin, Xiaoxiao Li, Ghassan Hamarneh

10556: Has CEO Gender Bias Really Been Fixed? Adversarial Attacking and Improving Gender Fairness in Image Search
Yunhe Feng, Chirag Shah

10770: Interpretable Low-Resource Legal Decision Making
Rohan Bhambhoria, Hui Liu, Dahan Samuel, Xiaodan Zhu

10870: Gender and Racial Stereotype Detection in Legal Opinion Word Embeddings
Sean Matthews, John Hudzina, Dawn Sepehr

11178: Accurate and Scalable Gaussian Processes for Fine-Grained Air Quality Inference
Zeel B Patel, Palak Purohit, Harsh Patel, Shivam Sahni, Nipun Batra

11520: FairFoody: Bringing in Fairness in Food Delivery
Anjali, Rahul Yadav, Ashish Nair, Abhijnan Chakraborty, Sayan Ranu, Amitabha Bagchi

11522: Multi-Agent Reinforcement Learning Controller to Maximize Energy Efficiency for Multi-Generator Industrial Wave Energy Converter
Soumyendu Sarkar, Vineet Gundecha, Alexander Shmakov, Sahand Ghorbanpour, Ashwin Ramesh Babu, Paolo Faraboschi, Mathieu Cocho, Alexandre Pichard, Jonathan Fievez

11608: 'Beach' to 'Bitch': Inadvertent Unsafe Transcription of Kids' Content on YouTube
Krithika Ramesh, Ashiqur KhudaBukhsh, Sumeet Kumar

11777: TransBoost: A Boosting-Tree Kernel Transfer Learning Algorithm for Improving Financial Inclusion
Yiheng Sun, Tian Lu, Cong Wang, Yuan Li, Huaiyu Fu, Jingran Dong, Yunjie Xu

11824: A Search Engine for Discovery of Scientific Challenges and Directions
Dan Lahav, Jon Saad Falcon, Bailey Kuehl, Sophie Johnson, Sravanthi Parasa, Noam Shomron, Duen Horng Chau, Diyi Yang, Eric Horvitz, Daniel S. Weld, Tom Hope

11833: CrossWalk: Fairness-Enhanced Node Representation Learning
Ahmad Khajehnejad, Moein Khajehnejad, Mahmoudreza Babaei, Krishna P. Gummadi, Adrian Weller, Baharan Mirzasoleiman

11904: ReforesTree: A Dataset for Estimating Tropical Forest Carbon Stock with Deep Learning and Aerial Imagery

Gyri Reiersen, David Dao, Björn Lütjens, Konstantin Klemmer, Kenza Amara, Attila Steinegger, Ce Zhang, Xiaoxiang Zhu

12009: Sentiment and Emotion-Aware Multi-Modal Complaint Identification
Apoorva Singh, Soumyodeep Dey, Anamitra Singha, Sriparna Saha

12122: Socially Fair Mitigation of Misinformation on Social Networks via Constraint Stochastic Optimization
Ahmed Abouzeid, Ole-Christoffer Granmo, Christian Webersik, Morten Goodwin