

AAAI-23/IAAI-23/EAAI-23 Technical Program

AAAI-23 Technical Session
AAAI Invited Talks
Diversity and Inclusion
IAAI
EAAI
AI for Social Impact Special Track
Safe and Robust AI Track

Thursday, February 9, 2023

8:30-9:30am - Opening Ceremony	
Opening Remarks	
AAAI Presidential Address	Francesca Rossi (IBM)

9:30-12:30pm - Diversity and Inclusion	
Misidentification in AI: framing the face in-between machine-classified & self-perceived gender	ERC FACETS, University of Turin & Vrije Universiteit Amsterdam

9:30-7:00pm - Diversity and Inclusion	
Promoting Meaningful, Beneficial and Informed Participation of African Communities in the Development and Utilization of AI Solutions	Moses Thiga and Pamela Kimeto

9:30-10:45am - AAAI

ML: Applications	Thursday, February 9, 9:30-10:45am
5934 Mining and Applying Composition Knowledge of Dance Moves for Style-concentrated Dance Generation	Zhang, Xinjian; Yang, Su*; Xu, Yi; Zhang, Weishan; Gao, Longwen
3817 Heterogeneous Graph Learning for Multi-modal Medical Data Analysis	Kim, Sein*; Lee, Namkyeong; Lee, Junseok; Hyun, Dongmin; Park, Chanyoung
9284 Contrastive Attention Networks for Attribution of Early Modern Print	Vogler, Nikolai*; Goyal, Kartik; Reddy, Kishore PV; Pertseva, Elizaveta; Lemley, Samuel V.; Warren, Christopher N.; G'Sell, Max; Berg-Kirkpatrick, Taylor
6178 Bootstrapping Multi-view Representations for Fake News Detection	Ying, Qichao ; Hu, Xiaoxiao; Zhou, Yangming; Qian, Zhenxing*; Zeng, Dan; Ge, Shiming

CMS: Brain Modeling	Thursday, February 9, 9:30-10:45am
4772 ScatterFormer: Locally-Invariant Scattering Transformer for Patient-Independent Multispectral Detection of Epileptiform Discharges	Zheng, Ruizhe; Li, Jun; Yu, Yuguo*; Yi, Wang; Luo, Tian
5500 ESL-SNNs: An Evolutionary Structure Learning Strategy For Spiking Neural Networks	Shen, Jiangrong*; Xu, Qi; Liu, Jian; Wang, Yueming; Pan, Gang; Tang, Huajin
550 Reducing ANN-SNN Conversion Error through Residual Membrane Potential	Hao, Zecheng; Bu, Tong; Ding, Jianhao; Huang, Tiejun; Yu, Zhaofei*
3485 Astromorphic Self-Repair of Neuromorphic Hardware Systems	Han, Zhuangyu*; Islam, A N M Nafiul; Sengupta, Abhronil

CV: 3D Computer Vision	Thursday, February 9, 9:30-10:45am
1879 SSDA3D: Semi-supervised Domain Adaptation for 3D Object Detection from Point Cloud	Wang, Yan; Yin, Junbo; Li, Wei; Frossard, Pascal; Yang, Ruigang; Shen, Jianbing*
3194 CRIN: Rotation-Invariant Point Cloud Analysis and Rotation Estimation via Centrifugal Reference Frame	Lou, Yujing*; Ye, Zelin; You, Yang; Jiang, Nianjuan; Lu, Jiangbo; wang, weiming; Ma, Lizhuang; Lu, Cewu
1312 Learning Second-Order Attentive Context for Efficient Correspondence Pruning	Ye, Xinyi; Zhao, Weiyue; Lu, Hao; Cao, Zhiguo*
5017 A Learnable Radial Basis Positional Embedding for Coordinate-MLPs	Ramasinghe, Sameera*; Lucey, Simon
CV: Computational Photography, Image & Video Synthesis	Thursday, February 9, 9:30-10:45am

1707 SVFI: Spiking-based Video Frame Interpolation for High-Speed Motion	Xia, Lujie; Zhao, Jing; Xiong, Ruiqin*; Huang, Tiejun
4835 CoordFill: Efficient High-Resolution Image Inpainting via Parameterized Coordinate Querying	Liu, Weihuang*; Cun, Xiaodong; Pun, Chi-Man; Xia, Menghan; Zhang, Yong; Wang, Jue
1594 Polarization-Aware Low-Light Image Enhancement	Zhou, Chu*; Teng, Minggui; Lyu, Youwei; Li, Si; Xu, Chao; Shi, Boxin
6861 Incremental Image De-raining via Associative Memory	Gu, Yi*; wang, chao; Li, Jie
CV: Language and Vision	Thursday, February 9, 9:30-10:45am
437 Target-free Text-guided Image Manipulation	Fan, Wan-Cyuan*; Yang, Cheng-Fu; Yang, Chiao-An; Wang, Yu-Chiang Frank
1395 CALIP: Zero-Shot Enhancement of CLIP with Parameter-free Attention	Guo, Ziyu*; Zhang, Renrui; Qiu, Longtian; ma, xianzheng; Miao, Xupeng; He, Xuming; Cui, Bin
1861 Symbolic Replay: Scene Graph as Prompt for Continual Learning on VQA Task	Lei, Stan Weixian*; Gao, Difei; Wu, Jay Zhangjie; Wang, Yuxuan; Liu, Wei; Zhang, Mengmi; Shou, Mike Zheng
7979 Unifying Vision-Language Representation Space with Single-tower Transformer	Jang, Jiho; Kong, Chaerin; Jeon, DongHyeon; Kim, Seonhoon; Kwak, Nojun*
CV: Learning & Optimization for CV	Thursday, February 9, 9:30-10:45am
8619 Can We Find Strong Lottery Tickets in Generative Models?	Yeo, Sangyeop; Jang, Yoojin; Sohn, Jy-yong; Han, Dongyoon; Yoo, Jaejun*
802 SelectAugment: Hierarchical Deterministic Sample Selection for Data Augmentation	Lin, Shiqi; Zhang, Zhizheng; Li, Xin; Chen, Zhibo*
500 Adapting Object Size Variance and Class Imbalance for Semi-Supervised Object Detection	Nie, Yuxiang*; Fang, Chaowei; Cheng, Lechao; Lin, Liang; Li, Guanbin
1142 FacT: Factor-Tuning for Lightweight Adaptation on Vision Transformer	Jie, Shibo*; Deng, Zhi-Hong
DMKM: Graph Mining, Social Network Analysis & Community	Thursday, February 9, 9:30-10:45am
6970 Beyond Graph Convolutional Network: An Interpretable Regularizer-centered Optimization Framework	Wang, Shiping*; Wu, Zhihao; Chen, Yuhong; Chen, Yong
1122 T2-GNN: Graph Neural Networks for Graphs with Incomplete Features and Structure via Teacher-Student Distillation	Huo, Cuiying; Jin, Di; Li, Yawen*; He, Dongxiao; Yang, Yu-Bin; Wu, Lingfei
6449 Heterogeneous Graph Masked Autoencoders	Tian, Yijun*; Dong, Kaiwen; Zhang, Chunhui; Zhang, Chuxu; Chawla, Nitesh
3050 GraphSR: A Data Augmentation Algorithm for Imbalanced Node Classification	Zhou, Mengting; Gong, Zhiguo*
GTEP: Equilibrium / Mechanism Design	Thursday, February 9, 9:30-10:45am
7240 Securing Lifelines: Safe Delivery of Critical Services in Areas with Volatile Security Situation via a Stackelberg Game Approach	Mai, Tien*; Sinha, Arunesh
5650 Mediated Cheap Talk Design	Arieli, Itai; Geffner, Ivan*; Tennenholtz, Moshe
549 An Efficient FTRL-Based Deep Reinforcement Learning Algorithm for Solving Imperfect Information Extensive-Form Games	Meng, Linjian*; Ge, Zhenxing; Tian, Pinzhuo; An, Bo; Gao, Yang
6770 Socially Optimal Non-Discriminatory Restrictions for Continuous-Action Games	Oesterle, Michael*; Sharon, Guni
KRR: Applications	Thursday, February 9, 9:30-10:45am
7582 Back to the Future: Toward a Hybrid Architecture for Ad Hoc Teamwork	Dodamegama, Hasra H*; Sridharan, Mohan
5984 Neurosymbolic Reasoning and Learning with Restricted Boltzmann Machines	Tran, Son N*; Garcez, Artur
8566 Explaining Random Forests using Bipolar Argumentation and Markov Networks	Potyka, Nico*; Yin, Xiang; Toni, Francesca
8623 Mitigating Adversarial Norm Training with Moral Axioms	Olson, Taylor*; Forbus, Ken
ML: Auto ML and Hyperparameter Tuning	Thursday, February 9, 9:30-10:45am

9543 AutoNF: Automated Architecture Optimization of Normalizing Flows with Unconstrained Continuous Relaxation Admitting Optimal Discrete Solution	Wang, Yu*; Drgona, Jan; Zhang, Jiaxin; NS, Karthik Somayaji; Schram, Malachi; Liu, Frank; Li, Peng
3062 PINAT: A Permutation INvariance Augmented Transformer for NAS Predictor	Lu, Shun; Hu, Yu*; Wang, Peihao; Han, Yan; Tan, Jianchao; Li, Jixiang; Yang, Sen; Liu, Ji
7300 Code-Aware Cross-Program Transfer Hyperparameter Optimization	Wang, zijia; He, Xiangyu; Chen, Kehan; Lin, Chen*; Su, Jinsong
2767 Normalizing Flow Ensembles for Rich Aleatoric and Epistemic Uncertainty Modeling	Berry, Lucas*; Meger, David
ML: Causal Learning	Thursday, February 9, 9:30-10:45am
691 Policy-Adaptive Estimator Selection for Off-Policy Evaluation	Udagawa, Takuma*; Kiyohara, Haruka; Narita, Yusuke; Saito, Yuta; Tateno, Kei
2497 Nearest-Neighbor Sampling Based Conditional Independence Testing	Li, Shuai; Chen, Ziqi*; Zhu, Hongtu; Wang, Christina Dan ; Wen, Wang
5136 Recovering the Graph Underlying Networked Dynamical Systems under Partial Observability: A Deep Learning Approach	Machado, Sérgio; Sridhar, Anirudh; GIL, Paulo; HENRIQUES, JORGE OLIVEIRA; Moura, José M. F.; Santos, Augusto A*
42 Practical Markov Boundary Learning without Strong Assumptions	Wu, Xingyu*; Jiang, Bingbing; Wu, Tianhao; Chen, Huanhuan
ML: Graph-based Machine Learning / CV: Low Level & Physics-Based Vision	Thursday, February 9, 9:30-10:45am
354 Intriguing Findings of Frequency Selection for Image Deblurring	Mao, Xintian; Liu, Yiming; Liu, Fengze; Li, Qingli; Shen, Wei; Wang, Yan*
165 Hybrid CNN-Transformer Feature Fusion for Single Image Deraining	Chen, Xiang; Pan, Jinshan*; Lu, Jiyang; Fan, Zhentao; Li, Hao
7341 Generalizing Downsampling from Regular Data to Graphs	Bacciu, Davide; Conte, Alessio; Landolfi, Francesco*
1001 Local-Global Defense Against Unsupervised Adversarial Attacks on Graphs	Jin, Di; Feng, Bingdao*; Guo, Siqi; Wang, Xiaobao; Wei, Jianguo; Wang, Zhen
ML: Learning on the Edge & Model Compression	Thursday, February 9, 9:30-10:45am
5223 Predictive Exit: Prediction of Fine-Grained Early Exits for Computation- and Energy-Efficient Inference	Li, Xiangjie; Lou, Chenfei; Chen, Yuchi; Zhu, Zhengping; Shen, Yingtao; Ma, Yehan; Zou, An*
2160 Adaptive Hierarchy-Branch Fusion for Online Knowledge Distillation	Gong, Linrui; Lin, Shaohui*; Zhang, Baochang; Shen, Yunhang; Li, Ke; Qiao, Ruizhi; Ren, Bo; li, muqing; Yu, Zhou; Ma, Lizhuang
280 MobileTL: On-device Transfer Learning with Inverted Residual Blocks	Chiang, Hung-Yueh*; Frumkin, Natalia; Liang, Feng; Marculescu, Diana
2880 HALOC: Hardware-Aware Automatic Low-Rank Compression for Compact Neural Networks	Xiao, Jinqi*; Zhang, Chengming; Gong, Yu; Yin, Miao; Sui, Yang; Xiang, Lizhi; Tao, Dingwen; yuan, bo
ML: Online Learning & Bandits / Deep Learning Theory	Thursday, February 9, 9:30-10:45am
2373 The Implicit Regularization of Momentum Gradient Descent in Overparametrized Models	Wang, Li*; Fu, Zhiguo; Zhou, yingcong; yan, zili
317 Stability-Based Generalization Analysis of the Asynchronous Decentralized SGD	Deng, Xiaoge*; Sun, Tao; Li, Shengwei; Li, Dongsheng
4178 Communication-Efficient Collaborative Best Arm Identification	Karpov, Nikolai*; Zhang, Qin
5878 Stochastic Contextual Bandits with Long Horizon Rewards	Qin, Yuzhen*; Li, Yingcong; Pasqualetti, Fabio; Fazel, Maryam; Oymak, Samet
SNLP: Classification / Interpretability & Analysis of NLP Models	Thursday, February 9, 9:30-10:45am
7323 Exploring Faithful Rationale for Multi-hop Fact Verification via Saliency-Aware Graph Learning	Si, Jiasheng; Zhu, Yingjie; Zhou, Deyu*
4783 Don't Be So Sure! Boosting ASR Decoding via Confidence Relaxation	Wullach, Tomer*; Chazan, Shlomo E.
6889 Knowledge-Bridged Causal Interaction Network for Causal Emotion Entailment	Zhao, Weixiang*; Zhao, Yanyan; Li, Zhuojun; Qin, Bing
1306 Effective Open Intent Classification with K-Center Contrastive Learning and Adjustable Decision Boundary	Liu, XiaoKang; Li, Jianquan; Mu, Jingjing; Yang, Min*; Xu, Ruifeng; wang, benyou
SNLP: Lexical & Frame Semantics, Semantic Parsing	Thursday, February 9, 9:30-10:45am

10175 MultiSpider: Towards Benchmarking Multilingual Text-to-SQL Semantic Parsing	Dou, Longxu*; Gao, Yan; Pan, Mingyang; Wang, Dingzirui; Che, Wanxiang; Zhan, Dechen; Lou, Jian-Guang
6142 Graphix-T5: Mixing Pre-Trained Transformers with Graph-Aware Layers for Text-to-SQL Parsing	Li, Jinyang; Hui, Binyuan*; Cheng, Reynold; Qin, Bowen; Ma, Chenhao; Huo, Nan; Huang, Fei; Du, Wenyu; Si, Luo; Li, Yongbin
7167 Question Decomposition Tree for Answering Complex Questions over Knowledge Bases	huang, xiang; Cheng, Sitao; Shu, Yiheng; Yuheng, Bao; Qu, Yuzhong*
10118 M-Sense: Modeling Narrative Structure in Short Personal Narratives Using Protagonist's Mental Representations	Vijayaraghavan, Prashanth*; Roy, Deb

AISI: Social Welfare, Justice, Fairness and Equality	Thursday, February 9, 9:30-10:45am
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6790 Improving Fairness in Information Exposure by Adding Links	Becker, Ruben; D'Angelo, Gianlorenzo; Ghobadi, Sajjad*
8869 Taxonomizing and Measuring Representational Harms: A Look at Image Tagging	Katzman, Jared; Wang, Angelina*; Scheurman, Morgan K; Blodgett, Su Lin; Laird, Kristen; Wallach, Hanna; Barocas, Solon
8989 SimFair: A Unified Framework for Fairness-Aware Multi-Label Classification	Liu, Tianci*; Wang, Haoyu; Wang, Yaqing; Wang, Xiaoqian; Su, Lu; Gao, Jing
10429 For the Underrepresented in Gender Bias Research: Chinese Name Gender Prediction with Heterogeneous Graph Attention Network	Pan, Zihao*; Peng, Kai; Ling, Shuai; Zhang, Haipeng

SRAI: Neural Network Verification	Thursday, February 9, 9:30-10:45am
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620 Neural Policy Safety Verification via Predicate Abstraction: CEGAR	Vinzent, Marcel*; Sharma, Siddhant; Hoffmann, Joerg
3896 Iteratively Enhanced Semidefinite Relaxations for Efficient Neural Network Verification	Lan, Jianglin*; Zheng, Yang; Lomuscio, Alessio
3901 A Semidefinite Relaxation based Branch-and-Bound Method for Tight Neural Network Verification	Lan, Jianglin*; Brückner, Benedikt; Lomuscio, Alessio
8364 Safety Verification of Nonlinear Systems with Bayesian Neural Network Controllers	Zeng, Xia*; Yang, Zhengfeng; Zhang, Li; Tang, Xiaochao; Zeng, Zhenbing; Liu, Zhiming

11:15am-12:30pm - AAAI	
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CSO: Satisfiability / PRS: Planning	Thursday, February 9, 11:15am-12:30pm
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4115 SharpSSAT: A Witness-Generating Stochastic Boolean Satisfiability Solver	Fan, Yu-Wei; Jiang, Jie-Hong R*
6760 Circuit Minimization with QBF-Based Exact Synthesis	Reichl, Franz-Xaver; Slivovsky, Friedrich*; Szeider, Stefan
567 Automated Verification of Social Laws in Numeric Settings	Nir, Ronen*; Shleyfman, Alexander; Karpas, Erez
7504 Heuristic Search for Multi-Objective Probabilistic Planning	Chen, Dillon*; Trevizan, Felipe; Thiebaut, Sylvie

CV: 3D Computer Vision	Thursday, February 9, 11:15am-12:30pm
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4519 Bidirectional Optical Flow NeRF: High Accuracy and High Quality under Fewer Views	chen, shuo*; yan, binbin; sang, xinzhu; chen, duo; wang, peng; Guo, Xiao; Zhong, Chongli; wan, huaming
4227 Superpoint Transformer for 3D Scene Instance Segmentation	Sun, Jiahao; qing, chunmei*; Tan, Junpeng; Xu, Xiangmin
1310 Efficient Edge-Preserving Multi-view Stereo Network for Depth Estimation	Su, Wanjuan*; Tao, Wenbing
1476 ParaFormer: Parallel Attention Transformer for Efficient Feature Matching	Lu, Xiaoyong; Yan, Yaping; Kang, Bin; Du, Songlin*

CV: Computational Photography, Image & Video Synthesis	Thursday, February 9, 11:15am-12:30pm
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1855 StyleTalk: One-shot Talking Head Generation with Controllable Speaking Styles	Ma, Yifeng; Wang, Suzhen; Hu, Zhipeng; Fan, Changjie; Lv, Tangjie; Ding, Yu*; Deng, ZHIDONG; Yu, Xin
1293 Painterly Image Harmonization in Dual Domains	Cao, Junyan; Hong, Yan; Niu, Li*
112 Preserving Structural Consistency in Arbitrary Artist and Artwork Style Transfer	Wu, Jingyu*; Hou, Lefan; Li, Zejian; Liao, Jun; Liu, Li; Sun, Lingyun
2520 ReGANIE: Rectifying GAN Inversion Errors for Accurate Real Image Editing	Li, Bingchuan*; Ma, Tianxiang; Zhang, Peng; Hua, Miao; Liu, Wei; He, Qian; Yi, Zili

CV: Image and Video Retrieval	Thursday, February 9, 11:15am-12:30pm
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732 A Benchmark and Asymmetrical-Similarity Learning for Practical Image Copy Detection	Wang, Wenhao*; Sun, Yifan; Yang, Yi
552 Stop-Gradient Softmax Loss for Deep Metric Learning	Yang, Lu*; Wang, Peng; Zhang, Yanning
6162 Hierarchical Contrast for Unsupervised Skeleton-based Action Representation Learning	Dong, Jianfeng*; Sun, Shengkai; Liu, Zhonglin; Chen, Shujie; Liu, Baolong; Wang, Xun
1973 Cross-Category Highlight Detection via Feature Decomposition and Modality Alignment	Zhang, Zhenduo*
CV: Low Level & Physics-Based Vision	Thursday, February 9, 11:15am-12:30pm
10162 Dual-domain Attention for Image Deblurring	Cui, Yuning*; Tao, Yi; Ren, Wenqi; Knoll, Alois C.
1200 Robust Image Denoising of No-Flash Images Guided by Consistent Flash Images	Oh, Geunwoo; Back, Jonghee; Heo, Jae-Pil; Moon, Bochang*
1760 Self-Supervised Image Denoising using Implicit Deep Denoiser Prior	Lin, Huangxing; Zhuang, Yihong; Ding, Xinghao; Zeng, Delu; Huang, Yue; Tu, Xiaotong*; Paisley, John
10463 Self-Decoupling and Ensemble Distillation for Efficient Segmentation	Liu, Yuang; Zhang, Wei*; Wang, Jun
DMKM: Web Personalization & User Modeling / Mining of Spatial, Temporal Data	Thursday, February 9, 11:15am-12:30pm
7543 Graph Structure Learning on User Mobility Data for Social Relationship Inference	qin, guangming; Song, Lexue; Yu, Yanwei*; Huang, Chao; Jia, Wenzhe; Cao, Yuan; Dong, Junyu
4162 Fair Representation Learning for Recommendation: A Mutual Information Perspective	Zhao, Chen; Wu, Le*; Shao, Pengyang; Zhang, Kun; Hong, Richang; Wang, Meng
1232 Predicting Temporal Sets with Simplified Fully Connected Networks	Yu, Le*; Liu, Zihang; Zhu, Tongyu; Sun, Leilei; Du, Bowen; Lv, Weifeng
3330 Query-aware Quantization for Maximum Inner Product Search	Zhang, Jin*; Lian, Defu; Zhang, Haodi; wang, baoyun; Chen, Enhong
GTEP: Game Theory	Thursday, February 9, 11:15am-12:30pm
9382 Fisher Markets with Social Influence	Zhao, Jiayi*; Goktas, Denizalp; Greenwald, Amy R
4324 Commitment Games with Conditional Information Disclosure	DiGiovanni, Anthony*; Clifton, Jesse
4321 Tight Inapproximability for Graphical Games	Deligkas, Argyrios; Fearnley, John; Hollender, Alexandros; Melissourgos, Themistoklis*
9838 Bidding Graph Games with Partially-Observable Budgets	Avni, Guy*; Jecker, Ismael; Žikelić, Đorđe
HAI: Human-Computer Interaction / CMS: Simulating Humans	Thursday, February 9, 11:15am-12:30pm
3797 Maximum Entropy Population-Based Training for Zero-Shot Human-AI Coordination	Zhao, Rui*; song, jinming; Yuan, Yufeng; Hu, Haifeng; Gao, Yang; Wu, Yi; Sun, Zhongqian; Yang, Wei
817 Modeling Human Trust and Reliance in AI-assisted Decision Making: A Markovian Approach	Li, Zhuoyan; Lu, Zhuoran; Yin, Ming*
8898 The Role of Heuristics and Biases During Complex Choices with an AI Teammate	Gurney, Nikolos*; Miller, John H; Pynadath, David V
8725 Collective Intelligence In Human-AI Teams: A Bayesian Theory of Mind Approach	Westby, Samuel*; Riedl, Christoph
KRR: Nonmonotonic Reasoning	Thursday, February 9, 11:15am-12:30pm
2716 The Effect of Preferences in Abstract Argumentation Under a Claim-Centric View	Bernreiter, Michael*; Dvorak, Wolfgang; Rapberger, Anna; Woltran, Stefan
7842 Finite Based Contraction and Expansion via Models	Guimarães, Ricardo*; Ozaki, Ana; Ribeiro, Jandson S
7857 Implementing Bounded Revision via Lexicographic Revision and c-Revision	Sezgin, Meliha*; Kern-Isberner, Gabriele
2872 Conditional syntax splitting for non-monotonic inference operators	Heyninck, Jesse*; Meyer, Tommie; Kern-Isberner, Gabriele; Haldimann, Jonas Philipp; Beierle, Christoph
ROB: Motion and Path Planning	Thursday, February 9, 11:15am-12:30pm
2841 Intersection Coordination with Priority-Based Search for Autonomous Vehicles	Li, Jiaoyang*; Hoang, The Anh; Lin, Zijun; Vu, Hai L.; Koenig, Sven
1703 LaCAM: Search-Based Algorithm for Quick Multi-Agent Pathfinding	Okumura, Keisuke*
8837 Effective Integration of Weighted Cost-to-go and Conflict Heuristic within Suboptimal CBS	Veerapaneni, Rishi*; Kusnur, Tushar; Maxim, Likhachev

2039 Optimal Pathfinding on Weighted Grid Maps	Carlson, Mark; Moghadam, Sajjad; Harabor, Daniel*; Stuckey, Peter; Ebrahimi, Morteza
GTEP: Game Theory, Mechanism Design, Equilibrium	Thursday, February 9, 11:15am-12:30pm
10652 Function Approximation for Solving Stackelberg Equilibrium in Large Perfect Information Games	Ling, Chun Kai*; Kolter, Zico; Fang, Fei
10823 Learning Revenue Maximization using Posted Prices for Stochastic Strategic Patient Buyers	Mashiah, Eitan-Hai*; Attias, Idan; Mansour, Yishay
10789 Fairness and Welfare Quantification for Regret in Multi-Armed Bandits	Barman, Siddharth*; Khan, Arindam; Maiti, Arnab; Sawarni, Ayush
10982 Learning to Play General-Sum Games Against Multiple Boundedly Rational Agents	Zhao, Eric*; Trott, Alexander; Xiong, Caiming; Zheng, Stephan
ML: Evaluation, Calibration / PEAI: Safety, Robustness & Trustworthiness	Thursday, February 9, 11:15am-12:30pm
3531 Approximating Full Conformal Prediction at Scale via Influence Functions	Abad Martinez, Javier*; Bhatt, Umang; Weller, Adrian; Cherubin, Giovanni
7971 Do Invariances in Deep Neural Networks Align with Human Perception?	Nanda, Vedant*; Majumdar, Ayan; Kolling, Camila; Dickerson, John P; Gummadi, Krishna; Love, Bradley; Weller, Adrian
6484 Rethinking Data-Free Quantization as a Zero-Sum Game	Qian, Biao; Wang, Yang*; Hong, Richang; Wang, Meng
9149 Towards Robust Metrics for Concept Representation Evaluation	Espinosa Zarlenga, Mateo*; Barbiero, Pietro; Shams, Zohreh ; Kazhdan, Dmitry; Bhatt, Umang; Weller, Adrian; Jamnik, Mateja
ML: Deep Generative Models & Autoencoders	Thursday, February 9, 11:15am-12:30pm
8965 Gradient Estimation for Binary Latent Variables via Gradient Variance Clipping	Kunes, Russell*; Yin, Mingzhang; Land, Max; Haviv, Doron; Pe'er, Dana; Tavaré, Simon
5861 Diffusing Gaussian Mixtures for Generating Categorical Data	Regol, Florence*; Coates, Mark
3521 Design Amortization for Bayesian Optimal Experimental Design	Kenamer, Noble W*; Walton, Steven; Ihler, Alexander
6267 Neural Diffeomorphic Non-Uniform B-Spline Flows	Hong, Seongmin; Chun, Se Young*
ML: Graph-based Machine Learning	Thursday, February 9, 11:15am-12:30pm
4240 Wasserstein Graph Distance based on L1, $\hat{\Delta}$ Approximated Tree Edit Distance between Weisfeiler, $\hat{\Delta}$ Lehman Subtrees	Fang, Zhongxi*; Huang, Jianming; xun, su; Kasai, Hiroyuki
10826 SigMaNet: One Laplacian to Rule Them All	Fiorini, Stefano*; Coniglio, Stefano; Ciavotta, Michele; Messina, Enza
5224 FTM: A Frame-level Timeline Modeling Method for Temporal Graph Representation Learning	Cao, Bowen; YE, Qichen; Xu, Weiyuan; Zou, Yuexian*
7853 Handling Missing Data via Max-Entropy Regularized Graph Autoencoder	Gao, Ziqi*; Niu, Yifan; Cheng, Jiashun; Tang, Jianheng; Li, Lanqing; Xu, Tingyang; Zhao, Peilin; Tsung, Fugee; Li, Jia
ML: Time-Series/Data Streams	Thursday, February 9, 11:15am-12:30pm
2406 Forecasting with Sparse but Informative Variables: A Case Study in Predicting Blood Glucose	Rubin-Falcone, Harry*; Lee, Joyce; Wiens, Jenna
4602 WaveForM: Graph Enhanced Wavelet Learning for Long Sequence Forecasting of Multivariate Time Series	Yang, Fuhao; Li, Xin*; Wang, Min; Zang, Hongyu; Pang, Wei; Wang, Mingzhong
1201 Temporal-Frequency Co-Training for Time Series Semi-Supervised Learning	Liu, Zhen; Ma, Qianli*; Ma, Peitian; Wang, Linghao
6852 SEnsor Alignment for Multivariate Time-Series Unsupervised Domain Adaptation	Wang, Yucheng*; Xu, Yuecong; Yang, Jianfei; Chen, Zhenghua; Wu, Min; Li, Xiaoli; Xie, Lihua
SNLP: Information Extraction	Thursday, February 9, 11:15am-12:30pm
8279 SegFormer: A Topic Segmentation Model with Controllable Range of Attention	Bai, Haitao*; Wang, Pinghui; Zhang, Ruofei; Su, Zhou
6455 Zero-shot Slot Filling with Slot-Prefix Prompting and Attention Relationship Descriptor	Luo, Qiaoyang*; Liu, Lingqiao
9930 Prompt-Augmented Linear Probing: Scaling Beyond The Limit of Few-shot In-Context Learners	Cho, Hyunsoo*; Kim, Hyuhng Joon; Kim, Junyeob; Yoo, Kang Min; Lee, Sang-Woo; Lee, Sang-goo; Kim, Taeuk
8034 Query Your Model with Definitions in FrameNet: An Effective Method for Frame Semantic Role Labeling	Zheng, Ce*; Wang, Yiming; Chang, Baobao
SNLP: Adversarial Attacks & Robustness	Thursday, February 9, 11:15am-12:30pm

7814 Adversarial Self-Attention for Language Understanding	Wu, Hongqiu*; Ding, Ruixue; Zhao, Hai; Xie, Pengjun; Huang, Fei; Zhang, Min
10080 Feature-Level Debiased Natural Language Understanding	Lyu, Yougang; Li, Piji; Yang, Yechang; de Rijke, Maarten; Ren, Pengjie; Zhao, Yukun; Yin, Dawei; Ren, Zhaochun*
7162 SSPAttack: A Simple and Sweet Paradigm for Black-box Hard-label Textual Adversarial Attack	Liu, Han*; Xu, Zhi; Zhang, Xiaotong; Xu, Xiaoming; Zhang, Feng; Ma, Fenglong; Chen, Hongyang; Yu, Hong; Zhang, Xianchao
9194 Feature Normalization and Cartography-based Demonstrations for Prompt-based Fine-tuning on Emotion-related Tasks	Hosseini, Mahshid*; Caragea, Cornelia

AISI: Health	Thursday, February 9, 11:15am-12:30pm
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4154 A Composite Multi-attention Framework for Intraoperative Hypotension Early Warning	Lu, Feng*; Li, Wei; Zhou, Zhiqiang; Song, Cheng; Zhang, Yuwei; Sun, Yifei; Ren, Yufei; Liao, Xiaofei; Jin, Hai; Luo, Ailin; Zomaya, Albert
6360 Interpretable Chirality-Aware Graph Neural Network for Quantitative Structure Activity Relationship Modeling in Drug Discovery	Liu, Yunchao*; Wang, Yu; Vu, Oanh T; Moretti, Rocco; Bodenheimer, Bobby; Meiler, Jens; Derr, Tyler
8809 EINNs: Epidemiologically-informed Neural Networks	Rodríguez, Alexander*; Cui, Jiaming; Ramakrishnan, Naren; Adhikari, Bijaya; Prakash, B. Aditya
9057 On the Challenges of using Reinforcement Learning in Precision Drug Dosing: Delay and Prolongedness of Action Effects	Basu, Sumana*; Legault, Marc-André; Romero, Adriana; Precup, Doina

2:00-7:00pm - Diversity and Inclusion
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Global South in AI at AAAI 2023	Sudha Jamthe (Stanford University & Barcelona Technology School), Susanna Raj (AI4Nomads), Pariya Sarin (Gunn High School Palo Alto)
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2:00-3:15pm - AAAI

ML: Applications	Thursday, February 9, 2:00-3:15pm
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6040 GenV@Live! Generating Rhythm Actions in Love Live!	Takada, Atsushi; Yamazaki, Daichi; Yoshida, Yudai; GANBAT, NYAMKHUU; Shimotomai, Takayuki; Hamada, Naoki*; Liu, Likun; Yamamoto, Taiga; Sakurai, Daisuke
1694 LagNet: Deep Lagrangian Mechanics for Plug-and-Play Molecular Representation Learning	Li, Chunyan; Yao, Junfeng; Su, Jinsong; liu, zhaoyang; Huang, Chenxi*; Zeng, Xiangxiang
2485 Generalized Cell Type Annotation and Discovery for Single-cell RNA-seq Data	Zhai, Yuyao*; Chen, Liang; Deng, Minghua
8208 BETA-CD: A Bayesian Meta-learned Cognitive Diagnosis Framework for Personalized Learning	Bi, Haoyang*; Chen, Enhong; He, Weidong; Wu, Han; Zhao, Weihao; WANG, Shijin; Wu, Jinze

CV: Biometrics, Face, Gesture & Pose	Thursday, February 9, 2:00-3:15pm
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908 Two Heads are Better than One: Image-Point Cloud Network for Depth-Based 3D Hand Pose Estimation	Ren, Pengfei*; Chen, Yuchen; Hao, Jiachang; Sun, Haifeng; Qi, Qi; Wang, Jingyu; Liao, Jianxin
1014 3D Human Pose Lifting with Grid Convolution	Kang, Yangyuxuan; Liu, Yuyang; Yao, Anbang*; Wang, Shandong; Wu, Enhua
887 HybridCap: Inertia-aid Monocular Capture of Challenging Human Motions	Liang, Han*; He, Yannan; Zhao, Chengfeng; Li, Mutian; Wang, Jingya; Yu, Jingyi; Xu, Lan
1634 MultiAct: Long-Term 3D Human Motion Generation from Multiple Action Labels	Lee, Taeryung; Moon, Gyeongsik; Lee, Kyoung Mu*

CV: Image and Video Retrieval	Thursday, February 9, 2:00-3:15pm
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6630 Doodle to Object: Practical Zero-Shot Sketch-Based 3D Shape Retrieval	Wang, Bingrui; Zhou, Yuan*
2208 Fast Online Hashing with Multi-Label Projection	Jia, Wenzhe; Cao, Yuan*; Liu, Junwei; Gui, Jie
1638 Unsupervised Deep Video Denoising with Untrained Network	Zheng, Huan; Pang, Tongyao*; Ji, Hui
1593 Cross-Modality Person Re-Identification with Memory-based Contrastive Embedding	Cheng, De; Wang, Xiaolong; Wang, Nannan*; Wang, Zhen; Wang, Xiaoyu; Gao, Xinbo

CV: Language and Vision	Thursday, February 9, 2:00-3:15pm
8062 Efficient End-to-End Video Question Answering with Pyramidal Multimodal Transformer	Peng, Min; Wang, Chongyang*; Shi, Yu; Zhou, Xiang-Dong
4758 DUET: Cross-modal Semantic Grounding for Contrastive Zero-shot Learning	Chen, Zhuo*; Huang, Yufeng; Chen, Jiaoyan; Geng, Yuxia; Zhang, Wen; Fang, Yin; Z. Pan, Jeff; Chen, Huajun
1841 Open-Vocabulary Multi-Label Classification via Multi-Modal Knowledge Transfer	He, Sunan*; Guo, Taian; Dai, Tao; Qiao, Ruizhi; shu, Xiujun; Ren, Bo; Xia, Shu-Tao
3306 Dual Memory Units with Uncertainty Regulation for Weakly Supervised Video Anomaly Detection	Zhou, Hang; Yu, Junqing*; Yang, Wei
CV: Object Detection & Categorization	Thursday, February 9, 2:00-3:15pm
467 Deep Equilibrium Models for Snapshot Compressive Imaging	Zhao, Yaping; zheng, siming; Yuan, Xin*
7278 Efficient Mirror Detection via Multi-level Heterogeneous Learning	He, Ruozhen; Lin, Jiaying*; Lau, Rynson W.H.
1305 Better and Faster: Adaptive Event Conversion for Event-based Object Detection	Peng, Yansong; Zhang, Yueyi*; Xiao, Peilin; Sun, Xiaoyan; Wu, Feng
792 Asynchronous Event Processing with Local-Shift Graph Convolutional Network	Sun, Linhui*; Zhang, Yifan; Cheng, Jian; Lu, Hanqing
DMKM: Recommender Systems	Thursday, February 9, 2:00-3:15pm
4627 Cross-domain Few-shot Graph Classification with a Reinforced Task Coordinator	Zhang, Qiannan*; Pei, Shichao; Yang, Qiang; Zhang, Chuxu; Chawla, Nitesh; Zhang, Xiangliang
3872 Practical Cross-system Shilling Attacks with Limited Access to Data	Zeng, Meifang; Li, Ke; Jiang, Bingchuan; Cao, Liujuan; Li, Hui*
1252 Untargeted Attack against Federated Recommendation Systems via Poisonous Item Embeddings and the Defense	Yu, Yang; Liu, Qi*; Wu, Likang; Yu, Runlong; Yu, Sanshi Lei; ZHANG, ZAIXI
2183 PPGenCDR: A Stable and Robust Framework for Privacy-Preserving Cross-domain Recommendation	Liao, Xinting*; Liu, Weiming; Zheng, Xiaolin; yao, binhui; Chen, Chaochao
GTEP: Social Choice / Voting	Thursday, February 9, 2:00-3:15pm
2394 Participatory Budgeting Designs for the Real World	Fairstein, Roy*; Benade, Gerdus; Gal, Kobi
1280 Representation with Incomplete Votes	Halpern, Daniel; Kehne, Gregory; Procaccia, Ariel; Tucker-Foltz, Jamie; Wuthrich, Manuel*
10453 Rank Aggregation Using Scoring Rules	Boehmer, Niclas*; Brederock, Robert; Peters, Dominik
9607 Semi-Random Impossibilities of Condorcet Criterion	Xia, Lirong*
HAI: Human-in-the-Loop Machine Learning	Thursday, February 9, 2:00-3:15pm
7721 Incentive-boosted Federated Crowdsourcing	Kang, Xiangping; Yu, Guoxian*; Wang, Jun; Guo, Wei; Domeniconi, Carlotta; Zhang, Jinglin
2493 Beam Search Optimized Batch Bayesian Active Learning	Sun, Jingyu*; ZHAI, Hongjie; Saisho, Osamu; Takeuchi, Susumu
3545 The Perils of Trial-and-Error Reward Design: Misdesign through Overfitting and Invalid Task Specifications	Booth, Serena L*; Knox, W. Bradley; Shah, Julie A.; Niekum, Scott; Stone, Peter; Allievi, Alessandro
7696 Co-Imitation: Learning Design and Behaviour by Imitation	Rajani, Chang*; Arndt, Karol; Blanco-Mulero, David; Luck, Kevin Sebastian; Kyrki, Ville
ML: Learning Theory / Probabilistic Methods	Thursday, February 9, 2:00-3:15pm
3078 Mixed-Variable Black-Box Optimisation Using Value Proposal Trees	Zuo, Yan*; Nguyen, Vu; Dezfouli, Amir; Alexander, David; Muir, Ben W; Chades, Iadine
6059 Non-reversible Parallel Tempering for Deep Posterior Approximation	Deng, Wei*; Zhang, Qian; Feng, Qi; Liang, Faming; Lin, Guang
8058 Tight Performance Guarantees of Imitator Policies with Continuous Actions	Maran, Davide*; Metelli, Alberto Maria; Restelli, Marcello
1182 On the Stability and Generalization of Triplet Learning	Chen, Jun; Chen, Hong*; JIANG, XUE; Gu, Bin; Li, Weifu; Gong, Tieliang; Zheng, Feng
CSO: Constraint Satisfaction and Optimization	Thursday, February 9, 2:00-3:15pm
8423 Probabilistic Generalization of Backdoor Trees with Application to SAT	Semenov, Alexander; Chivilikhin, Daniil*; Kochemazov, Stepan; Dzhiblavi, Ibragim
6123 Lifting (D)QBF Preprocessing and Solving Techniques to (D)SSAT	Cheng, Che; Jiang, Jie-Hong R*

2832 The Influence of Dimensions on the Complexity of Computing Decision Trees	Kobourov, Stephen; Loffler, Maarten; Montecchiani, Fabrizio; Pilipczuk, Marcin; Rutter, Ignaz; Seidel, Raimund; Sorge, Manuel*; Wulms, Jules
8448 Submodular Maximization Under the Intersection of Matroid and Knapsack Constraints	Gu, Yu-Ran*; Bian, Chao; Qian, Chao
ML: Deep Neural Architectures	Thursday, February 9, 2:00-3:15pm
7625 TC-DWA:Text Clustering with Dual Word-level Augmentation	Cheng, Bo; Li, Ximing*; Chang, Yi
118 T2G-Former: Organizing Tabular Features into Relation Graphs Promotes Heterogeneous Feature Interaction	Yan, Jiahuan*; Chen, Jintai; Wu, Yixuan; Chen, Danny Z; Wu, Jian
6710 Acceleration of Large Transformer Model Training by Sensitivity-Based Layer Dropping	Zeng, Yujie*; He, wenlong; Vasylytsov, Ihor; Pang, Jiali; Chen, Lin
5868 Concurrent Multi-Label Prediction in Event Streams	Shou, Xiao*; Gao, Tian; Subramanian, Dharmashankar; Bhattacharjya, Debarun; Bennett, Kristin
ML: Deep Neural Network Algorithms / Applications	Thursday, February 9, 2:00-3:15pm
1796 Boundary Graph Neural Networks for 3D Simulations	Mayr, Andreas*; Lehner, Sebastian; Mayrhofer, Arno; Kloss, Christoph; Hochreiter, Sepp; Brandstetter, Johannes
8687 Neural Integro-Differential Equations	Zappala, Emanuele A*; Oliveira Fonseca, Antonio Henrique; Moberly, Andrew H; Higley, Michael; Abdallah, Chadi; Cardin, Jessica; van Dijk, David
322 Efficient and Accurate Learning of Mixtures of Plackett-Luce Models	Nguyen, Duc*; Zhang, Anderson Ye
1733 Learning Program Synthesis for Integer Sequences from Scratch	Gauthier, Thibault*; Urban, Josef
ML: Graph-based Machine Learning	Thursday, February 9, 2:00-3:15pm
10725 Spectral Feature Augmentation for Graph Contrastive Learning and Beyond	Zhang, Yifei*; Zhu, Hao; Song, Zixing; Koniusz, Piotr; King, Irwin
10963 CrysGNN : Distilling pre-trained knowledge to enhance property prediction for crystalline materials.	Das, Kishalay*; Samanta, Bidisha; Goyal, Pawan; Lee, Seung-Cheol; Bhattacharjee , Satadeep; ganguly, niloy
10842 Restructuring Graph for Higher Homophily via Adaptive Spectral Clustering	Li, Shouheng*; Kim, Dongwoo; Wang, Qing
10727 Spatio-Temporal Meta-Graph Learning for Traffic Forecasting	Jiang, Renhe*; Wang, Zhaonan; Yong, Jiawei; Jeph, Puneet; Chen, Quanjun; Kobayashi, Yasumasa; Song, Xuan; Fukushima, Shintaro; Suzumura, Toyotaro
ML: Lifelong and Continual Learning	Thursday, February 9, 2:00-3:15pm
9738 The Unreasonable Effectiveness of Deep Evidential Regression	Meinert, Nis*; Gawlikowski, Jakob; Lavin, Alexander
10014 Sparse Coding in a Dual Memory System for Lifelong Learning	Sarfraz, Fahad; Arani, Elahe*; Zonooz, Bahram
4106 Online Hyperparameter Optimization for Class-Incremental Learning	Liu, Yaoyao*; Li, Yingying; Schiele, Bernt; Sun, Qianru
3293 Evidential Conditional Neural Processes	Pandey, Deep Shankar; Yu, Qi*
SNLP: Applications	Thursday, February 9, 2:00-3:15pm
4979 Fine-grained Position Helps Memorizing More, A Novel Music Compound Transformer Model with Feature Interaction Fusion	Li, Zuchao*; Gong, Ruhan; Chen, Yineng; Su, kehua
3589 Better Context Makes Better Code Language Models: A Case Study on Function Call Argument Completion	Pei, Hengzhi; Zhao, Jinman*; Lausen, Leonard; Zha, Sheng; Karypis, George
4497 Towards a Holistic Understanding of Mathematical Questions with Contrastive Pre-training	Ning, Yuting*; Huang, Zhenya; Lin, Xin; Chen, Enhong; Tong, Shiwei; Gong, Zheng; WANG, Shijin
3023 See How You Read? Multi-reading Habits Fusion Reasoning for Multi-modal Fake News Detection	Wu, Lianwei*; liu, pusheng; Zhang, Yanning
SO: Evolutionary Computation	Thursday, February 9, 2:00-3:15pm
9790 Human Assisted Learning by Evolutionary Multi-objective Optimization	Liu, Dan-Xuan*; Mu, Xin; Qian, Chao

8193 A Proof that Using Crossover Can Guarantee Exponential Speed-Ups in Evolutionary Multi-Objective Optimisation	Dang, Duc-Cuong; Opris, Andre; Salehi, Bahare; Sudholt, Dirk*
524 A Generalized Scalarization Method for Evolutionary Multi-objective Optimization	Zheng, Ruihao; Wang, Zhenkun*
10061 Large-State Reinforcement Learning for Hyper-Heuristics	Kletzander, Lucas*; Musliu, Nysret

AISI: Urban Planning and Mobility	Thursday, February 9, 2:00-3:15pm
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5835 Walkability Optimization: Formulations, Algorithms, and a Case Study of Toronto	Huang, Weimin*; Khalil, Elias
6441 PateGail: A Privacy-preserving Mobility Trajectory Generator with Imitation Learning	Wang, Huandong*; Gao, Changzheng; Wu, Yuchen; Jin, Depeng; Yao, Lina; Li, Yong
8143 Neighbor Auto-Grouping Graph Neural Networks for Handover Parameter Configuration in Cellular Network	Mehrabi, Mehrtash*; Masoudimansour, Walid; Zhang, Yingxue; Chuai, Jie; Chen, Zhitang; Coates, Mark; Hao, Jianye; Geng, Yanhui
9605 Future Aware Pricing and Matching for Sustainable On-demand Ride Pooling	Zhang, Xianjie; Varakantham, Pradeep*; Jiang, Hao

SRAI: Safe and Robust Reinforcement Learning I	Thursday, February 9, 2:00-3:15pm
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1763 Certified Policy Smoothing for Cooperative Multi-Agent Reinforcement Learning	Mu, Ronghui*; Ruan, Wenjie; Soriano Marcolino, Leandro; Jin, Gaojie; Ni, Qiang
5257 Evaluating Model-free Reinforcement Learning toward Safety-critical Tasks	Zhang, Linrui*; Zhang, Qin; Shen, Li; Yuan, Bo; Wang, Xueqian; Tao, Dacheng
7499 User-Oriented Robust Reinforcement Learning	You, Haoyi; Yu, Beichen; Jin, Haiming*; Yang, Zhaoxing ; Sun, Jiahui
8450 Correct-by-Construction Reinforcement Learning of Cardiac Pacemakers from Duration Calculus Requirements	Dole, Kalyani M*; Gupta, Ashutosh; Komp, John W; S, Krishna; trivedi, ashutosh

3:45-5:00pm - AAI	
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AI: Applications	Thursday, February 9, 3:45-5:00pm
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5978 Unsupervised Deep Embedded Fusion Representation of Single-cell Transcriptomics	Cheng, Yue; Su, Yanchi; Yu, Zhuohan; Yanchun, Liang; Wong, Ka-Chun ; Li, Xiangtao*
9692 Learning Chemical Rules of Retrosynthesis with Pre-training	Jiang, Yinjie*; WEI, Ying; Wu, Fei; Huang, Zhengxing; Kuang, Kun; Wang, Zhihua
2284 DiffMD: A Geometric Diffusion Model for Molecular Dynamics Simulations	Wu, Fang*; Li, Stan Z.
9015 Yet Another Traffic Classifier: A Masked Autoencoder Based Traffic Transformer with Multi-Level Flow Representation	Zhao, Ruijie*; Zhan, Mingwei; Deng, Xianwen; Wang, Yanhao; Wang, Yijun; Gui, Guan; Xue, Zhi

CSO: Constraint Satisfaction	Thursday, February 9, 3:45-5:00pm
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8679 Constraint Optimization over Semirings	Bhattacharyya, Arnab; Meel, Kuldeep S; Pavan, A*; Vinodchandran, N. V.
2881 Complexity of Reasoning with Cardinality Minimality Conditions	Creignou, Nadia; OLIVE, Frédéric; Schmidt, Johannes*
5933 Second-Order Quantified Boolean Logic	Jiang, Jie-Hong R*
7787 Improved Algorithms for Maximum Satisfiability and Its Special Cases	Brilliantov, Kirill; Alferov, Vasily; Bliznets, Ivan*

CV: Adversarial Attacks & Robustness	Thursday, February 9, 3:45-5:00pm
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3015 CDTA: A Cross-Domain Transfer-Based Attack with Contrastive Learning	Li, Zihan; Wu, Weibin*; Su, Yuxin; Zheng, Zibin; Lyu, Michael R
3047 CSTAR: Towards Compact and Structured Deep Neural Networks with Adversarial Robustness	Phan, Huy*; Yin, Miao; Sui, Yang; yuan, bo; Zonouz, Saman
3939 Neural Architecture Search for Wide Spectrum Adversarial Robustness	Cheng, Zhi*; Li, Yanxi; Dong, Minjing; Su, Xiu; You, Shan; Xu, Chang
6923 Confidence-aware Training of Smoothed Classifiers for Certified Robustness	Jeong, Jongheon*; Kim, Seojin; Shin, Jinwoo

CV: Image and Video Retrieval	Thursday, February 9, 3:45-5:00pm
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6104 Cross-view Geo-localization via Learning Disentangled Geometric Layout Correspondence	Zhang, Xiaohan*; Li, Xingyu; Sultani, Waqas; Zhou, Yi; Wshah, Safwan
2314 Real-world Deep Local Motion Deblurring	Li, Haoying*; Zhang, Ziran; tingting, jiang; peng, luo; Feng, Huajun; Xu, Zhihai
688 FEditNet: Few-shot Editing of Latent Semantics in GAN Spaces	Xia, Mengfei*; Shu, Yezhi; Wang, Yuji; Lai, Yu-Kun; Li, Qiang; Wan, Pengfei ; Wang, Zhongyuan; Liu, Yong-Jin
3385 Fine-grained Retrieval Prompt Tuning	Wang, Shijie; Chang, Jianlong; wang, zhihui; Li, Haojie*; Ouyang, Wanli; Tian, Qi
CV: Object Detection & Categorization	Thursday, February 9, 3:45-5:00pm
1650 Learning a Generalized Gaze Estimator from Gaze-Consistent Feature	Xu, Mingjie; Wang, Haofei; Lu, Feng*
480 Exploring Tuning Characteristics of Ventral Stream's Neurons for Few-Shot Image Classification	Dong, Lintao*; Zhai, Wei; Zha, Zheng-Jun
1831 One-Shot Replay: Boosting Incremental Object Detection via Retrospecting One Object	Yang, Dongbao; Zhou, Yu*; Hong, Xiaopeng; zhang, aoting; Wang, Weiping
502 Adversarial Alignment for Source Free Object Detection	Chu, QiaoSong; LI, SHUYAN; Chen, Guangyi; Li, Kai; Li, Xiu*
CV: Video Understanding & Activity Analysis	Thursday, February 9, 3:45-5:00pm
133 MGFN : Magnitude-Contrastive Glance-and-Focus Network for Weakly-Supervised Video Anomaly Detection	Chen, Yingxian*; Liu, Zhengzhe; Baoheng, Zhang; Fok, Wilton W.T.; Qi, Xiaojuan; Wu, Y.C.
1217 Self-supervised Action Representation Learning from Partial Spatio-Temporal Skeleton Sequences	Zhou, Yujie; Duan, Haodong; Rao, Anyi; Su, Bing*; Wang, Jiaqi
3377 MEID: Mixture-of-Experts with Internal Distillation for Long-Tailed Video Recognition	Li, Xinjie*; Xu, Huijuan
4109 Truncate-Split-Contrast: A Framework for Learning from Mislabeled Videos	Wang, Zixiao*; Weng, Junwu; Yuan, Chun; Wang, Jue
DMKM: Recommender Systems / Applications	Thursday, February 9, 3:45-5:00pm
10830 Adaptive Low-Precision Training for Embeddings in Click-Through Rate Prediction	Li, Shiwei*; Guo, Huifeng; Hou, Lu; Zhang, Wei; Tang, Xing; Tang, Ruiming; Li, Ruixuan; Zhang, Rui
10718 SAH: Shifting-aware Asymmetric Hashing for Reverse k-Maximum Inner Product Search	Huang, Qiang*; Wang, Yanhao; Tung, Anthony
4225 Learning Deep Hierarchical Features with Spatial Regularization for One-Class Facial Expression Recognition	Luo, Bingjun*; Zhu, Junjie; Yang, Tianyu; Zhao, Sicheng; Chao, HU; Zhao, Xibin; Gao, Yue
10668 AdaTask: A Task-aware Adaptive Learning Rate Approach to Multi-task Learning	Yang, Enneng*; Pan, Junwei; Wang, Ximei; Yu, Haibin; Shen, Li; Chen, Xihua; Xiao, Lei; Jiang, Jie; Guo, Guibing
DMKM: Graph Mining, Social Network Analysis & Community	Thursday, February 9, 3:45-5:00pm
3373 Deep Graph Structural Infomax	Zhao, Wenting*; Xu, Gongping; Cui, Zhen; Luo, Siqiang; Long, Cheng; Zhang, Tong
4282 GLCC: A General Framework for Graph-level Clustering	Ju, Wei*; Gu, Yiyang; Chen, Binqi; Sun, Gongbo; Qin, Yifang; Xingyuming, Liu; Luo, Xiao; Zhang, Ming
1333 Multi-Domain Generalized Graph Meta Learning	Lin, Mingkai; Li, Wenzhong*; Li, Ding; Chen, Yizhou; Li, Guohao; Lu, Sanglu
3326 Time-aware Random Walk Diffusion to Improve Dynamic Graph Learning	Lee, Jong-Whi; Jung, Jinhong*
KRR: Description Logics	Thursday, February 9, 3:45-5:00pm
6924 Epistemic Disjunctive Datalog for Querying Knowledge Bases	Cima, Gianluca*; Console, Marco; Lenzerini, Maurizio; Poggi, Antonella
1813 Materialisation-based Reasoning in DatalogMTL with Bounded Intervals	Wałęga, Przemysław A*; Zawidzki, Michał; Wang, Dingmin; Cuenca Grau, Bernardo
7894 Automatically Verifying Expressive Epistemic Properties of Programs	Belardinelli, Francesco; Boureau, Ioana; Malvone, Vadim*; Rajaona, Fortunat
3180 General Acyclicity and Cyclicity Notions for the Disjunctive Skolem Chase	Gerlach, Lukas*; Carral, David
ML: Unsupervised & Self-Supervised Learning	Thursday, February 9, 3:45-5:00pm
1193 SwiftAvatar: Efficient Auto-Creation of Parameterized Stylized Character on Arbitrary Avatar Engines	Wang, Shizun*; Zeng, Weihong; Wang, Xu; Yang, Hao; Chen, Li; Zhang, Chuang; Wu, Ming; Yuan, Yi; zeng, yunzhao; Zheng, Min ; liu, jing

6252 SWL-Adapt: An Unsupervised Domain Adaptation Model with Sample Weight Learning for Cross-User Wearable Human Activity Recognition	Hu, Rong; Chen, Ling*; Miao, Shenghuan; Tang, Xing
8691 DisGUIDE: Disagreement-Guided Data-Free Model Extraction	Rosenthal, Jonathan D*; Enouen, Eric; Pham, Hung Viet; Tan, Lin
496 Semi-Supervised Deep Regression with Uncertainty Consistency and Variational Model Ensembling via Bayesian Neural Networks	Dai, Weihang*; Li, Xiaomeng; Cheng, Kwang-Ting
ML: Deep Generative Models & Autoencoders / CV: 3D Computer Vision	Thursday, February 9, 3:45-5:00pm
4386 Context-Aware Transformer for 3D Point Cloud Automatic Annotation	QIAN, Xiaoyan*; Liu, Chang; Qi, Xiaojuan; Tan, Siew-Chong; Lam, Edmund; Wong, Ngai
8261 Not All Neighbors Matter: Point Distribution-Aware Pruning for 3D Point Cloud	Lee, Yejin*; Lee, Donghyun; Hong, JungUk; Lee, Jae W.; Yoon, Hongil
4740 Layout Generation as Intermediate Action Sequence Prediction	Yang, Huiting*; Huang, Danqing; Lin, Chin-Yew; He, Shengfeng
5247 FLAME: Free-form Language-based Motion Synthesis & Editing	Kim, Jihoon*; Kim, Jiseob; Choi, Sungjoon
ML: Distributed Machine Learning & Federated Learning	Thursday, February 9, 3:45-5:00pm
7677 FedABC: Targeting Fair Competition in Personalized Federated Learning	Wang, Dui; Shen, Li; Luo, Yong*; Hu, Han; Su, kehua; Wen, Yonggang; Tao, Dacheng
1467 FedGS: Federated Graph-based Sampling with Arbitrary Client Availability	Wang, Zheng; Fan, Xiaoliang*; Qi, Jianzhong; Jin, Haibing; Yang, Peizhen; Shen, Siqi; Wang, Cheng
664 Layer-wise Adaptive Model Aggregation for Scalable Federated Learning	Lee, Sunwoo*; Zhang, Tuo; Avestimehr, Salman
10023 FedNP: Towards Non-IID Federated Learning via Federated Neural Propagation	Wu, Xueyang; Huang, Hengguan*; Ding, Youlong; Wang, Hao; Wang, Ye; Xu, Qian
ML: Graph-based Machine Learning	Thursday, February 9, 3:45-5:00pm
9965 Inferring Patient Zero on Temporal Networks via Graph Neural Networks	Ru, Xiaolei; Moore, Jack M; Zhang, Xin-Ya; zeng, yeting; Yan, Gang*
2812 Hard Sample Aware Network for Contrastive Deep Graph Clustering	Liu, Yue; Yang, Xihong; Zhou, Sihang; Liu, Xinwang*; Wang, Zhen; Liang, Ke; Tu, Wenxuan; Li, Liang; Duan, Jingcan; Chen, Cancan
299 LIMIP: Lifelong Learning to solve Mixed Integer Programs	Manchanda, Sahil*; Ranu, Sayan
2708 Self-Supervised Bidirectional Learning for Graph Matching	guo, wenqi*; Zhang, Lin; Tu, Shikui; Xu, Lei
ML: Reinforcement Learning Algorithms / ML: Learning on the Edge & Model Compression	Thursday, February 9, 3:45-5:00pm
68 Balanced Column-Wise Block Pruning for Maximizing GPU Parallelism	Park, Cheonjun; Park, Mincheol; Oh, Hyun Jae; Kim, Minkyu; Yoon, Myung Kuk; Kim, Suhyun; Ro, Won Woo*
9919 Dynamic Structure Pruning for Compressing CNNs	Park, Jun-Hyung*; Kim, Yeachan; KIM, JUNHO; Choi, Joon-Young; Lee, Sangkeun
5325 Flow to Control: Offline Reinforcement Learning with Lossless Primitive Discovery	Yang, Yiqin*; Hu, Hao; Li, Wenzhe; Li, Siyuan; Yang, Jun; Zhao, Qianchuan; Zhang, Chongjie
7461 DARL: Distance-Aware Uncertainty Estimation for Offline Reinforcement Learning	Zhang, Hongchang*; Shao, Jianzhun; He, Shuncheng; Jiang, Yuhang; Ji, Xiangyang
RU: Reasoning Under Uncertainty / Causality	Thursday, February 9, 3:45-5:00pm
8866 Identifying Selection Bias from Observational Data	Kaltenpoth, David*; Vreeken, Jilles
1137 A Simple Unified Approach to Testing High-Dimensional Conditional Independences for Categorical and Ordinal Data	Ankan, Ankur*; Textor, Johannes
2286 Computing Divergences between Discrete Decomposable Models	Lee, Loong Kuan*; Piatkowski, Nico; Petitjean, Francois; Webb, Geoffrey I
8603 Principled and Efficient Motif Finding for Structure Learning in Lifted Graphical Models	Feldstein, Leon Jonathan*; Phillips, Dominic; Tsamoura, Efthymia
SNLP: Machine Translation & Multilinguality / Generation	Thursday, February 9, 3:45-5:00pm
6766 Defending Against Backdoor Attacks in Natural Language Generation	Sun, Xiaofei; Li, Xiaoya; Meng, Yuxian; Ao, Xiang; Lyu, Lingjuan; Li, Jiwei*; Zhang, Tianwei

5696 Unveiling the Black Box of PLMs with Semantic Anchors: Towards Interpretable Neural Semantic Parsing	Nie, Lunyu; Sun, Jiuding; Wang, Yanlin*; Du, Lun; Han, Shi; Zhang, Dongmei; Hou, Lei; Li, Juanzi; Zhai, Jidong
2348 MoEC: Mixture of Expert Clusters	xie, yuan*; Huang, Shaohan; chen, tianyu; Wei, Furu
4229 Denoising Pre-Training for Machine Translation Quality Estimation with Curriculum Learning	Geng, Xiang; Zhang, Yu; Li, Jiahuan; Huang, Shujian*; Yang, Hao; Tao, Shimin; Chen, Yimeng; Xie, Ning; Chen, Jiajun
SNLP: Other Foundations of Speech & Natural Language Thursday, February 9, 3:45-5:00pm	
4826 SeDepTTS: Enhancing the Naturalness via Semantic Dependency and Local Convolution for Text-to-Speech Synthesis	jiang, chenglong*; Gao, Ying; Ng, Wing W.Y.; Zhou, Jiyong; Zhong, Jinghui; Zhen, Hongzhong
10837 SoftCorrect: Error Correction with Soft Detection for Automatic Speech Recognition	Leng, Yichong*; Tan, Xu; Liu, Wenjie; Song, Kaitao; Wang, Rui; Li, Xiang-Yang; Qin, Tao; Lin, Ed C; Liu, Tie-Yan
6528 Revisiting Denoising Diffusion Probabilistic Models for Speech Enhancement: Condition Collapse, Efficiency and Refinement	Tai, Wenxin*; Zhou, Fan; Trajcevski, Goce; Zhong, Ting
10098 Leveraging Modality-specific Representations for Audio-visual Speech Recognition via Reinforcement Learning	Chen, Chen*; Hu, Yuchen; Zhang, Qiang; Zou, Heqing; Zhu, Beier; Chng, Eng Siong

SRAI: Robust AI System Against Perturbations Thursday, February 9, 3:45-5:00pm	
1778 HOTCOLD Block: Fooling Thermal Infrared Detectors with a Novel Wearable Design	Wei, Hui; Wang, Zhixiang; Jia, Xuemei; Zheng, Yinqiang; Tang, Hao; Satoh, Shin'ichi; Wang, Zheng*
1942 Robust Training of Neural Networks against Bias Field Perturbations	Henriksen, Patrick*; Lomuscio, Alessio
2749 Two Wrongs Don't Make a Right: Combating Confirmation Bias in Learning with Label Noise	Chen, Mingcai*; Cheng, Hao; Du, Yuntao; XU, Ming; Jiang, Wenyu; Wang, Chongjun
8762 Implicit Bilevel Optimization: Differentiating through Bilevel Optimization Programming	Alesiani, Francesco*

5:00-6:00pm - AAI Award	
AAAI award for AI for the Benefit of Humanity Lecture	
6:00-7:00pm - AAI Invited Talk	
Physics of AI -- some first steps	Sebastian Bubeck (Microsoft Research)

Friday, February 10, 2023

8:30-9:30am - IAAI	
2023 Robert S. Englemore Memorial Lecture Award	Manuela Veloso (JP Morgan Chase)

10:00am-12:00pm - Diversity and Inclusion	
2023 Mid-Career Diversity Tea and Cake—MIDCAR	Rosina O Weber (Drexel University) and Laura Hiatt (Naval Research Lab)

9:30-7:00pm - Diversity and Inclusion	
Second International Workshop on Social Impact of AI for Africa (SIAIA-23)	Yetunde Folajimi, Ergezer Memo and Salem Othman

9:30-10:45am - AAI	
CSO: Constraint Satisfaction and Optimization Friday, February 10, 9:30-10:45am	
4919 Hybrid Learning with New Value Function for the Maximum Common Induced Subgraph Problem	Liu, Yanli*; Zhao, Jiming; Li, Chu-Min; Jiang, Hua; He, Kun
9765 NuWLS: Improving Local Search for (Weighted) Partial MaxSAT by New Weighting Techniques	Chu, Yi*; Cai, Shaowei; Luo, Chuan
5968 A Framework to Design Approximation Algorithms for Finding Diverse Solutions in Combinatorial Problems	Hanaka, Tesshu; Kiyomi, Masashi; Kobayashi, Yasuaki; Kobayashi, Yusuke; Kurita, Kazuhiro*; Otachi, Yota
2726 Farsighted Probabilistic Sampling: A General Strategy for Boosting Local Search MaxSAT Solvers	Zheng, Jiongzhi; He, Kun*; Zhou, Jianrong
CV: Applications	Friday, February 10, 9:30-10:45am

285 TaCo: Textual Attribute Recognition via Contrastive Learning	Nie, Chang; Hu, Yiqing*; Qu, Yanqiu; Liu, Hao; Jiang, Deqiang; Ren, Bo
1505 User-controllable Arbitrary Style Transfer via Entropy Regularization	Cheng, Jiaxin*; Wu, Yue; Jaiswal, Ayush; Zhang, Xu; Natarajan, Pradeep; Natarajan, Prem
2869 Domain-general Crowd Counting in Unseen Scenarios	Du, Zhipeng*; Deng, Jiankang; Shi, Miaoqing
7069 Data-Efficient Image Quality Assessment with Attention-Panel Decoder	Qin, Guanyi*; Hu, Runze; Liu, Yutao; Zheng, Xiawu; Liu, Haotian; Li, Xiu; Zhang, Yan
CV: Biometrics, Face, Gesture & Pose	Friday, February 10, 9:30-10:45am
4200 Lifelong Person Re-identification via Knowledge Refreshing and Consolidation	Yu, Chunlin; Shi, Ye; Liu, Zimo; Gao, Shenghua; Wang, Jingya*
3754 Learning Motion-Robust Remote Photoplethysmography through Arbitrary Resolution Videos	Li, Jianwei*; Yu, Zitong; Shi, Jingang
1341 UCoL: Unsupervised Learning of Discriminative Facial Representations via Uncertainty-aware Contrast	Wang, Hao*; Min, Li; Song, Yangyang; Zhang, Youjian; Chi, Liying
605 JR2Net: Joint Monocular 3D Face Reconstruction and Reenactment	SHANG, Jiaxiang*; Zeng, Yu; Qiao, Xin; Wang, Xin; Zhang, Runze; Sun, Guangyuan; Patel, Vishal; Fu, Hongbo
CV: Language and Vision	Friday, February 10, 9:30-10:45am
3227 Aesthetically Relevant Image Captioning	Zhong, ZhiPeng; Zhou, Fei; Qiu, Guoping*
5855 Layout-aware Dreamer for Embodied Visual Referring Expression Grounding	Li, Mingxiao*; Wang, Zehao; Tuytelaars, Tinne; Moens, Sien
3527 Show, Interpret and Tell: Entity-aware Contextualised Image Captioning in Wikipedia	Nguyen, Khanh*; Biten, Ali Furkan; Mafra, Andres; Gomez, Lluís; Karatzas, Dimosthenis
6589 Tree-Structured Trajectory Encoding for Vision-and-Language Navigation	Zhou, Xinzhe; Mu, Yadong*
CV: Segmentation	Friday, February 10, 9:30-10:45am
6044 Calibrated Teacher for Sparsely Annotated Object Detection	Wang, Haohan*; Liu, Liang; Zhang, Boshen; Zhang, Jiangning; Zhang, Wuhao; Gan, Zhenye; Wang, Yabiao; Wang, Chengjie; Wang, Haoqian
6338 Learning Context-aware Classifier for Semantic Segmentation	Tian, Zhuotao*; Cui, Jiequan; Jiang, Li; Qi, Xiaojuan; Lai, Xin; Chen, Yixin; Liu, Shu; Jia, Jiaya
4756 Boosting Semi-Supervised Semantic Segmentation with Probabilistic Representations	Xie, Haoyu*; Wang, Changqi; Zheng, Mingkai; Dong, Mingjing; You, Shan; Fu, Chong; Xu, Chang
7778 MaskBooster: End-to-End Self-Training for Sparsely Supervised Instance Segmentation	Zheng, Shida; Chen, Chenshu; Yang, Xi; Tan, Wenming*
DMKM: Graph Mining, Social Network Analysis & Community	Friday, February 10, 9:30-10:45am
9579 Detecting Sources of Healthcare Associated Infections	Jang, Hankyu; Fu, Andrew; Cui, Jiaming; Kamruzzaman, Methun; Prakash, B. Aditya; Vullikanti, Anil; Adhikari, Bijaya; Pemmaraju, Sriram*
1874 Beyond Smoothing: Unsupervised Graph Representation Learning with Edge Heterophily Discriminating	Liu, Yixin*; ZHENG, YIZHEN; Zhang, Daokun; Lee, Vincent; Pan, Shirui
809 Signed Laplacian Graph Neural Networks	Li, Yu*; Qu, Meng; Tang, Jian; Chang, Yi
619 Scalable and Effective Conductance-Based Graph Clustering	Lin, Longlong*; Li, Ronghua; Jia, Tao
GTEP: Cooperative Game Theory, Social Choice / Voting	Friday, February 10, 9:30-10:45am
1473 Causes of Stability in Dynamic Coalition Formation	Boehmer, Niclas*; Bullinger, Martin; Kerkmann, Anna Maria
1354 Topological Distance Games	Bullinger, Martin; Suksompong, Warut*
3044 When Congestion Games Meet Mobile Crowdsourcing: Selective Information Disclosure	Li, Hongbo*; Duan, Lingjie
5250 Multiagent MST Cover: Pleasing All Optimally via A Simple Voting Rule	Li, Bo; Wu, Xiaowei; Xu, Chenyang*; Zhang, Ruilong
HAI: Crowdsourcing / GTEP: Auctions and Market-Based Systems	Friday, February 10, 9:30-10:45am
4301 Fundamentals of Task-Agnostic Data Valuation	Mohammadi Amiri, Mohammad*; Berdoz, Frederic; Raskar, Ramesh
4956 Bayesian Optimization-based Combinatorial Assignment	Weissteiner, Jakob*; Heiss, Jakob M; Siems, Julien; Seuken, Sven
2913 Better Peer Grading through Bayesian Inference	Zarkoob, Hedayat*; d'Eon, Gregory; Podina, Lena; Leyton-Brown, Kevin

1022 Frustratingly Easy Truth Discovery	Meir, Reshef*; Amir, Ofra; Ben-Porat, Omer; Ben Shabat, Tsviel; Cohensius, Gal; Xia, Lirong
KRR: Knowledge Representation and Reasoning	Friday, February 10, 9:30-10:45am
7876 Monitoring Arithmetic Temporal Properties on Finite Traces	Felli, Paolo; Montali, Marco*; Patrizi, Fabio; Winkler, Sarah
1156 Reactive Synthesis of Dominant Strategies	Aminof, Benjamin; De Giacomo, Giuseppe; Rubin, Sasha*
7205 Editing Boolean Classifiers: A Belief Change Perspective	Schwind, Nicolas*; Inoue, Katsumi; Marquis, Pierre
2874 Efficient extraction of EL-ontology deductive modules	Yang, Hui*; Ma, Yue; Bidoit, Nicole
ML: Adversarial Learning & Robustness	Friday, February 10, 9:30-10:45am
10873 On the Connection between Invariant Learning and Adversarial Training for Out-of-Distribution Generalization	Xin, Shiji*; Wang, Yifei; Su, Jingtong; Wang, Yisen
10729 Tricking the Hashing Trick: A Tight Lower Bound on the Robustness of CountSketch to Adaptive Inputs	Cohen, Edith*; Nelson, Jelani; Sarlos, Tamas; Stemmer, Uri
10760 Federated Robustness Propagation: Sharing Adversarial Robustness in Heterogeneous Federated Learning	Hong, Junyuan*; Wang, Haotao; Wang, Zhangyang; Zhou, Jiayu
10913 Learning Control Policies for Stochastic Systems with Reach-avoid Guarantees	Žikelić, Đorđe*; Lechner, Mathias; Henzinger, Thomas A; Chatterjee, Krishnendu
ML: Auto ML and Hyperparameter Tuning / CV: Applications	Friday, February 10, 9:30-10:45am
4801 SCI: A Spectrum Concentrated Implicit Neural Compression for Biomedical Data	Yang, Runzhao; Xiao, Tingxiong; Cheng, YuxiaoYuxiao; Cao, Qianni; Qu, Jinyuan; Suo, Jinli*; Dai, Qionghai
1512 Learned Distributed Image Compression with Multi-Scale Patch Matching in Feature Domain	Huang, Yujun; Chen, Bin*; Qin, Shiyu; Li, Jiawei; Wang, Yaowei; Dai, Tao; Xia, Shu-Tao
735 AIO-P: Expanding Neural Performance Predictors Beyond Image Classification	Mills, Keith G*; Niu, Di; Salameh, Mohammad; Qiu, Weichen; Han, Fred X.; Liu, Puyuan; Zhang, Jialin; Lu, Wei; Jui, Shangling
2471 GENNAPE: Towards Generalized Neural Architecture Performance Estimators	Mills, Keith G*; Han, Fred X.; Zhang, Jialin; Chudak, Fabian; Safari, Ali; Salameh, Mohammad; Lu, Wei; Jui, Shangling; Niu, Di
ML: Causal Learning	Friday, February 10, 9:30-10:45am
5656 Estimating average causal effects from patient trajectories	Frauen, Dennis*; Hatt, Tobias; Melnychuk, Valentyn; Feuerriegel, Stefan
1420 Disentangled Representation for Causal Mediation Analysis	Xu, Ziqi*; Cheng, Debo; Li, Jiuyong; Liu, Jixue; Liu, Lin; Wang, Ke
1632 Learning Instrumental Variable from Data Fusion for Treatment Effect Estimation	Wu, Anpeng*; Kuang, Kun; Xiong, Ruoxuan; Zhu, Minqin; Liu, Yuxuan; Li, Bo; Liu, Furui; Wang, Zhihua; Wu, Fei
1739 Causal Inference with Conditional Instruments using Deep Generative Models	Cheng, Debo*; Xu, Ziqi; Li, Jiuyong; Liu, Lin; Liu, Jixue; Le, Thuc Duy
ML: Reinforcement Learning Algorithms / Graph-based Machine Learning	Friday, February 10, 9:30-10:45am
5319 Directed Acyclic Graph Structure Learning from Dynamic Graphs	Fan, Shaohua*; Zhang, Shuyang; Wang, Xiao; Shi, Chuan
8643 H-TSP: Hierarchically Solving the Large-Scale Traveling Salesman Problem	Pan, Xuanhao*; Jin, Yan; Ding, Yuandong; Feng, Mingxiao; Zhao, Li; Song, Lei; Bian, Jiang
4254 Value-Consistent Representation Learning for Data-Efficient Reinforcement Learning	yue, yang*; Kang, Bingyi; Xu, Zhongwen; Huang, Gao; Yan, Shuicheng
495 Robust Causal Graph Representation Learning against Confounding Effects	Gao, Hang; Li, Jiangmeng*; Qiang, Wenwen; Si, Lingyu; Xu, Bing; Zheng, Changwen; Sun, Fuchun
PRS: Planning, Routing, and Scheduling	Friday, February 10, 9:30-10:45am
6140 Equity Promotion in Public Transportation	Pramanik, Anik; Xu, Pan; Xu, Evan (Yifan)*
1963 Structurally Restricted Fragments of Numeric Planning -- A Complexity Analysis	Shleyfman, Alexander*; Gnad, Daniel; Jonsson, Peter
2795 Privacy Attacks on Schedule-Driven Data	Fahrenkrog-Petersen, Stephan; Senderovich, Arik*; Tichauer, Alexandra; Tutak, Ali Kaan; Beck, Christopher; Weidlich, Matthias
6666 Expressive Optimal Temporal Planning via Optimization Modulo Theory	Panjkoic, Stefan*; Micheli, Andrea
SNLP: Conversational AI/Dialogue Systems	Friday, February 10, 9:30-10:45am
5819 Heterogeneous-Branch Collaborative Learning for Dialogue Generation	Li, Yiwei*; Feng, Shaoxiong; Sun, Bin; Li, Kan

8505 Towards Diverse, Relevant and Coherent Open-Domain Dialogue Generation via Hybrid Latent Variables	Sun, Bin*; Li, Yitong; Mi, Fei; Wang, Weichao; Li, Yiwei; Li, Kan
2793 A Scope Sensitive and Result Attentive model for Multi-Intent Spoken Language Understanding	Cheng, Lizhi*; Yang, Wenmian; JIA, Weijia WJ
8468 Dialogue State Distillation Network with Inter-Slot Contrastive Learning for Dialogue State Tracking	Xu, Jing*; Song, Dandan; Liu, Chong; Hui, Siu Cheung; Li, Fei; Ju, Qiang; He, Xiaonan; Xie, Jian
SNLP: Text Mining / Text Classification	Friday, February 10, 9:30-10:45am
7909 Global Mixup: Eliminating Ambiguity with Clustering	Xie, Xiangjin*; Yangning, Li; Chen, Wang; Ouyang, Kai; Xie, Zuocong; Zheng, Hai-Tao
10577 Instance Smoothed Contrastive Learning for Unsupervised Sentence Embedding	He, Hongliang; Zhang, Junlei; Lan, Zhenzhong; Zhang, Yue*
4397 Generalized Category Discovery with Decoupled Prototypical Network	An, Wenbin*; Tian, Feng; Zheng, Qinghua; Ding, Wei; Wang, Qianying; Chen, Ping
1966 InfoCTM: A Mutual Information Maximization Perspective of Cross-lingual Topic Modeling	Wu, Xiaobao*; Dong, Xinshuai; Nguyen, Thong Thanh; Liu, Chaoqun; Pan, Liang-Ming; Luu, Anh Tuan

AISI: Socio-economic Challenges	Friday, February 10, 9:30-10:45am
3577 Point-to-Region Co-Learning for Poverty Mapping at High Resolution Using Satellite Imagery	Li, Zhili; Xie, Yiqun*; Jia, Xiaowei; Stuart, Kara; Delaire, Caroline; Skakun, Sergii
4784 Semi-supervised Credit Card Fraud Detection via Attribute-driven Graph Representation	Xiang, Sheng; Zhu, Mingzhi; Cheng, Dawei*; Li, Enxia; Zhao, Ruihui; Ouyang, Yi; Chen, Ling; Zheng, Yefeng
6177 Critical Firms Prediction for Stemming Contagion Risk in Networked-loans through Graph-based Deep Reinforcement Learning	Cheng, Dawei*; Niu, Zhibin; Zhang, Jianfu; Zhang, Yiyi; Jiang, Changjun
8038 Improving Interpretability of Deep Sequential Knowledge Tracing Models with Dual Cognitive Representations	Chen, Jiahao; Liu, Zitao*; Huang, Shuyan; Liu, Qiongqiong; Luo, Weiqi

SRAI: Safe Planning and Control	Friday, February 10, 9:30-10:45am
4276 Planning and Learning for Non-Markovian Negative Side Effects Using Finite State Controllers	Srivastava, Aishwarya*; Saisubramanian, Sandhya; Paruchuri, Praveen; Kumar, Akshat; Zilberstein, Shlomo
7411 Probabilities Are Not Enough: Formal Controller Synthesis for Stochastic Dynamical Models with Epistemic Uncertainty	Badings, Thom*; Romao, Licio; Abate, Alessandro; Jansen, Nils
9567 Rethinking Safe Control in the Presence of Self-Seeking Humans	Zhang, Zixuan; AL-Sunni, Maitham; Jing, Haoming*; Shirado, Hirokazu; nakahira, yorie
10372 Formally Verified SAT-Based AI Planning	Abdulaziz, Mohammad*; Kurz, Friedrich A

11:15am-12:30pm - AAI	
CV: Bias, Fairness & Privacy	Friday, February 10, 11:15am-12:30pm
5018 Debaised Fine-Tuning for Vision-language Models by Prompt Regularization	Zhu, Beier; Niu, Yulei*; Lee, Saeil; Hur, Minhoe; Zhang, Hanwang
7692 Denoising after Entropy-based Debiasing A Robust Training Method for Dataset Bias with Noisy Labels	Ahn, Sumyeong*; Yun, Se-Young
1428 Pseudo Label-Guided Model Inversion Attack via Conditional Generative Adversarial Network	Yuan, Xiaojian*; Chen, Kejiang; Zhang, Jie; Zhang, Weiming; Yu, Nenghai; Zhang, Yang
4551 Towards Global Video Scene Segmentation with Context-Aware Transformer	Yang, Yang*; Huang, Yurui; Guo, Weili; Xu, Baohua; xia, dingyin
CV: Computational Photography, Image & Video Synthesis	Friday, February 10, 11:15am-12:30pm
1631 High-Resolution GAN Inversion for Degraded Images in Large Diverse Datasets	Wang, Yanbo*; Lin, Chuming; Luo, Donghao; Tai, Ying; Zhang, Zhizhong; Xie, Yuan
1352 Deep Parametric 3D Filters for Joint Video Denoising and Illumination Enhancement in Video Super Resolution	XU, Xiaogang*; Wang, Ruixing; Fu, Chi-Wing; Jia, Jiaya
2473 Unsupervised Multi-exposure Image Fusion Breaking Exposure Limits via Contrastive Learning	Xu, Han; Haochen, Liang; Ma, Jiayi*
6168 EMEF: Ensemble Multi-Exposure Image Fusion	Liu, Renshuai; Li, Chengyang; Cao, Haitao; Zheng, Yinglin; Zeng, Ming; Cheng, Xuan*
CV: Object Detection & Categorization	Friday, February 10, 11:15am-12:30pm

10824 Bi-directional Feature Reconstruction Network for Fine-Grained Few-Shot Image Classification	Wu, Jijie*; Chang, Dongliang; Sain, Aneeshan; Li, Xiaoxu; Ma, Zhanyu; Cao, Jie; Guo, Jun; Song, Yi-Zhe
10888 PolarFormer: Multi-camera 3D Object Detection with Polar Transformer	Jiang, Yanqin; Zhang, Li*; Miao, Zhenwei; Zhu, Xiatian; Gao, Jin; Hu, Weiming; Jiang, Yu-Gang
10983 Mind the Gap: Polishing Pseudo Labels for Accurate Semi-Supervised Object Detection	Zhang, Lei; Sun, Yuxuan; Wei, Wei*
10546 Minority-Oriented Vicinity Expansion with Attentive Aggregation for Video Long-Tailed Recognition	Moon, WonJun*; Seong, Hyun Seok; Heo, Jae-Pil
CV: Segmentation	Friday, February 10, 11:15am-12:30pm
2003 Pixel is All You Need: Adversarial Trajectory-Ensemble Active Learning for Salient Object Detection	Wu, Zhenyu; Wang, Lin; Wang, Wei; Xia, Qing; Chen, Chenglizhao*; Hao, Aimin; Li, Shuo
4535 ClassFormer: Exploring Class-aware Dependency with Transformer for Medical Image Segmentation	Huang, Huimin; Xie, Shiao; Lin, Lanfen*; Tong, Ruofeng; Chen, Yen-Wei; Wang, Hong; Li, Yuexiang; Huang, Yawen; Zheng, Yefeng
2583 Amodal Instance Segmentation via Prior-guided Expansion	Chen, Junjie*; Niu, Li; Zhang, Jianfu; Si, Jianlou; Qian, Chen; Zhang, Liqing
5517 Exploratory Inference Learning for Scribble Supervised Semantic Segmentation	Zhou, Chuanwei*; Cui, Zhen; Xu, Chunyan; Han, Cao; Yang, Jian
DMKM: Mining of Spatial, Temporal or Graph Data	Friday, February 10, 11:15am-12:30pm
5162 Learning Representations of Bi-Level Knowledge Graphs for Reasoning beyond Link Prediction	Chung, Chanyoung; Whang, Joyce J.*
7428 WSIP: Wave Superposition Inspired Pooling for Dynamic Interactions-Aware Trajectory Prediction	Wang, Renzhi*; Wang, Senzhang; Yan, Hao; Wang, Xiang
3842 GRLSTM: Trajectory Similarity Computation with Graph-based Residual LSTM	Zhou, Silin*; Li, Jing; Wang, Hao; Shang, Shuo; Han, Peng
4876 Scaling Up Dynamic Graph Representation Learning via Spiking Neural Networks	Li, Jintang; Yu, Zhouxin; Zhu, Zulun; Chen, Liang*; Yu, Qi; Zheng, Zibin; Tian, Sheng; Wu, Ruofan; Meng, Changhua
GTEP: Game Theory	Friday, February 10, 11:15am-12:30pm
87 Collusion-proof And Sybil-proof Reward Mechanisms For Query Incentive Networks	Zhang, Youjia*; Tang, Pingzhong
3398 Facility Location Games with Entrance Fees	Ma, Mengfan; Xiao, Mingyu*; Bai, Tian; Khoussainov, Bakh
2498 Multi-Stage Facility Location Problems with Transient Agents	Wang, Xuezhen; Chau, Vincent; Chan, Hau; Fong, Chi Kit Ken; Li, Minming*
7807 Emergence of Punishment in Social Dilemma with Environmental Feedback	Wang, Zhen; Song, Zhao*; Shen, Chen; Hu, Shuyue
KRR: Computational Complexity of Reasoning	Friday, February 10, 11:15am-12:30pm
3209 From Width-Based Model Checking to Width-Based Automated Theorem Proving	de Oliveira Oliveira, Mateus*; Vadiiee, Farhad
8719 Complexity of Safety and coSafety Fragments of Linear Temporal Logic	ARTALE, ALESSANDRO ; Geatti, Luca*; Gigante, Nicola; Mazzullo, Andrea; Montanari, Angelo
6740 Common Knowledge of Abstract Groups	Humml, Merlin*; Schröder, Lutz
8092 Characterizing Structural Hardness of Logic Programs: What makes Cycles and Reachability Hard for Treewidth?	hecher, markus*
MAS: Multiagent Systems and Markets	Friday, February 10, 11:15am-12:30pm
3559 Fast and Interpretable Dynamics for Fisher Markets via Block-Coordinate Updates	Nan, Tianlong*; Gao, Yuan; Kroer, Christian
2054 Networked Anti-Coordination Games Meet Graphical Dynamical Systems: Equilibria and Convergence	Qiu, Zirou*; Chen, Chen; Marathe, Madhav; Ravi, S S; Rosenkrantz, Daniel J; Stearns, Richard; Vullikanti, Anil
7158 Synchronization and Diversity of Solutions	Arrighi, Emmanuel; Fernau, Henning; de Oliveira Oliveira, Mateus*; Wolf, Petra
1986 Resource Sharing Through Multi-Round Matchings	Trabelsi, Yohai*; Adiga, Abhijin; Kraus, Sarit; Ravi, S S; Rosenkrantz, Daniel J
ML: Classification and Regression / Multi-Class/Multi-Label Learning	Friday, February 10, 11:15am-12:30pm
6431 Adaptive mixing of auxiliary losses in supervised learning	Sivasubramanian, Durga*; Maheshwari, Ayush; A P, Prathosh; Shenoy, Pradeep; Ramakrishnan, Ganesh
7475 Partial-Label Regression	Cheng, Xin; Wang, Deng-Bao; Feng, Lei*; Zhang, Min-Ling; An, Bo

6067 Towards Decision-Friendly AUC: Learning Multi-Classifer with AUC- μ	Peifeng, Gao*; Xu, Qianqian; Wen, Peisong; Shao, Huiyang; He, Yuan; Huang, Qingming
3344 Can Label-Specific Feature Help Partial-Label Learning?	Dong, Ruoqing*; Wei, Tong; Hang, Jun-Yi; Zhang, Min-Ling
ML: Deep Generative Models & Autoencoders	Friday, February 10, 11:15am-12:30pm
5751 Causal Recurrent Variational Autoencoder for Medical Time Series Generation	Li, Hongming; Yu, Shujian*; Principe, Jose
5609 AEC-GAN: Adversarial Error Correction GANs for Auto-Regressive Long Time-series Generation	Wang, Lei*; Zeng, Liang; Li, Jian
1779 Demystifying Randomly Initialized Networks for Evaluating Generative Models	Lee, Junghyuk; Kim, Jun-Hyuk; Lee, Jong-Seok*
7964 VIDM: Video Implicit Diffusion Models	Mei, Kangfu*; Patel, Vishal
ML: Deep Neural Network Algorithms	Friday, February 10, 11:15am-12:30pm
7002 Dynamic Ensemble of Low-fidelity Experts: Mitigating NAS "Cold-Start"	Zhao, Junbo*; Ning, Xuefei; Liu, Enshu; Ru, Binxin; Zhou, Zixuan; Zhao, Tianchen; Chen, Chen; Jiajin, zhang; Liao, Qingmin; Wang, Yu
5709 Adaptive Discrete Communication Bottlenecks with Dynamic Vector Quantization for Heterogeneous Representational Coarseness	Liu, Dianbo*; Lamb, Alex M; Ji, Xu; Tikeng Notsawo, Pascal Junior; Mozer, Michael C; Bengio, Yoshua; Kawaguchi, Kenji
540 CF-ViT: A General Coarse-to-Fine Method for Vision Transformer	Chen, Mengzhao*; Lin, Mingbao; Li, Ke; Shen, Yunhang; Wu, Yongjian; Chao, Fei; Ji, Rongrong
1807 AutoInit: Analytic Signal-Preserving Weight Initialization for Neural Networks	Bingham, Garrett*; Miikkulainen, Risto
ML: Graph-based Machine Learning / DMKM: Graph Mining, Social Network Analysis	Friday, February 10, 11:15am-12:30pm
10647 Opinion Optimization in Directed Social Networks	Sun, Haoxin*; Zhang, Zhongzhi
10817 DropMessage: Unifying Random Dropping for Graph Neural Networks	Fang, Taoran; Xiao, Zhiqing; Wang, Chunping; Xu, Jiarong; yang, xuan; Yang, Yang*
10650 Dynamic Heterogeneous Graph Attention Neural Architecture Search	Zhang, Zeyang*; Zhang, Ziwei; Wang, Xin; Qin, Yijian; QIN, ZHOU; Zhu, Wenwu
10618 Interpreting Unfairness in Graph Neural Networks via Training Node Attribution	Dong, Yushun*; Wang, Song; Ma, Jing; Liu, Ninghao; Li, Jundong
ML: Multi-Class/Multi-Label Learning & Extreme Classification	Friday, February 10, 11:15am-12:30pm
5214 A Generalized Unbiased Risk Estimator for Learning with Augmented Classes	Shu, Senlin; He, Shuo; Wang, Haobo; Wei, Hongxin; Xiang, Tao; Feng, Lei*
4629 Generative Label Enhancement with Gaussian Mixture and Partial Ranking	Lu, Yunan; He, Liang; Min, Fan; Li, Weiwei; Jia, Xiuyi*
47 Imbalanced Label Distribution Learning	Zhao, Xingyu*; An, Yuexuan; Xu, Ning; Wang, Jing; Geng, Xin
108 Positive Distribution Pollution: Rethinking Positive Unlabeled Learning From a Unified Perspective	Liang, Qianqiao*; Zhu, Mengying; Wang, Yan; Wang, Xiuyuan; Zhao, Wanjia; Yang, Mengyuan; Wei, Hua; han, bing; Zheng, Xiaolin
ML: Multimodal Learning	Friday, February 10, 11:15am-12:30pm
6501 Label-Specific Feature Augmentation for Long-Tailed Multi-Label Text Classification	Xu, Pengyu*; Xiao, Lin; Liu, Bing; Lu, Sijin; Jing, Liping; Yu, Jian
2960 Knowledge-constrained Answer Generation for Open-ended Video Question Answering	Jin, Yao; Niu, Guocheng; Xiao, Xinyan; Zhang, Jian; Peng, Xi; Yu, Jun*
4849 Mutual-enhanced Incongruity Learning Network for Multi-modal Sarcasm Detection	Qiao, Yang*; Jing, Liqiang; Song, Xuemeng; Chen, Xiaolin; Zhu, Lei; Nie, Liqiang
2712 BridgeTower: Building Bridges Between Encoders in Vision-Language Representation Learning	Xu, Xiao*; Wu, Chenfei; Rosenman, Shachar; Lal, Vasudev; Che, Wanxiang; Duan, Nan
SNLP: Question Answering / Summarization	Friday, February 10, 11:15am-12:30pm
5796 Diffuser: Efficient Transformers with Multi-hop Attention Diffusion for Long Sequences	Feng, Aosong*; Li, Irene; Jiang, Yuang; Ying, Rex
4530 Learn from Yesterday: A Semi-Supervised Continual Learning Method for Supervision-Limited Text-to-SQL Task Streams	Chen, Yongrui; Guo, Xinnan; Wu, Tongtong; Qi, Guilin*; Li, Yang; Dong, Yang

6372 Relation-aware Language-Graph Transformer for Question Answering	Park, Jinyoung*; Choi, Hyeong Kyu; Ko, Juyeon; Park, Hyeonjin; Kim, Ji-Hoon; Jeong, Jisu; Kim, Kyungmin; Kim, Hyunwoo J
6047 Compressed Heterogeneous Graph for Abstractive Multi-document Summarization	Li, Miao*; Lau, Jey Han; Qi, Jianzhong
SNLP: Conversational AI/Dialogue Systems	Friday, February 10, 11:15am-12:30pm
4021 Personalized Dialogue Generation with Persona-Adaptive Attention	Huang, Qushi*; Zhang, Yu; Ko, Tom; Liu, Xubo; Wu, Bo; Wang, Wenwu ; Tang, H.
9727 Explaining (Sarcastic) Utterances to Enhance Affect Understanding in Multimodal Dialogues	Kumar, Shivani*; Mondal, Ishani; Akhtar, Md Shad; Chakraborty, Tanmoy
9964 Learning to Know Myself: A Coarse-to-Fine Persona-aware Training Framework for Personalized Dialogue Generation	Li, Yunpeng*; Hu, Yue; Sun, Yajing; Xing, Luxi; Guo, Ping; Xie, Yuqiang; Peng, Wei
2275 Mitigating Negative Style Transfer in Hybrid Dialogue System	Li, Shimin*; Cheng, Qinyuan; Li, Linyang; Qiu, Xipeng
CSO: Constraint Satisfaction, Search, and Optimization	Friday, February 10, 11:15am-12:30pm
6846 Predict+Optimize for Packing and Covering LPs with Unknown Parameters in Constraints	Hu, Xinyi*; Lee, Jasper C.H.; Lee, Jimmy H.M.
8946 Graphs, Constraints, and Search for the Abstraction and Reasoning Corpus	Xu, Yudong*; Khalil, Elias; Sanner, Scott
7888 Fully Computer-Assisted Proofs in Extremal Combinatorics	Parczyk, Olaf*; Spiegel, Christoph; Pokutta, Sebastian; Szabó, Tibor
2813 Fair Short Paths in Vertex-Colored Graphs	Bentert, Matthias; Kellerhals, Leon*; Niedermeier, Rolf

SRAI: Robust Neural Networks	Friday, February 10, 11:15am-12:30pm
2015 Reachability Analysis of Neural Network Control Systems	Zhang, Chi*; Ruan, Wenjie; Xu, Peipei
3470 Quantization-aware Interval Bound Propagation for Training Certifiably Robust Quantized Neural Networks	Lechner, Mathias*; Žikelić, Đorđe; Chatterjee, Krishnendu; Henzinger, Thomas A; Rus, Daniela
8013 Towards Verifying the Geometric Robustness of Large-scale Neural Networks	Wang, Fu*; Xu, Peipei; Ruan, Wenjie; Huang, Xiaowei
10123 Formalising the Robustness of Counterfactual Explanations for Neural Networks	Jiang, Junqi; Leofante, Francesco*; Rago, Antonio; Toni, Francesca

2:00-5:00pm - Diversity and Inclusion	
Queer in AI Social Event	Martin Mundt, Raj Korpan and Sarah Mathew

2:00-3:15pm - AAAI	
CV: Motion & Tracking	Friday, February 10, 2:00-3:15pm
1444 Compact Transformer Tracker with Correlative Masked Modeling	Song, Zikai; Luo, Run; Yu, Junqing*; Yang, Wei; Chen, Yi-Ping Phoebe
5215 RGBD1K: A Large-scale Dataset and Benchmark for RGB-D Object Tracking	Zhu, Xue-Feng*; Xu, Tianyang; Tang, Zhangyong; Wu, Zucheng; Liu, Haodong; Yang, Xiao; Wu, Xiao-Jun; Kittler, Josef
5429 Multi-stream Representation Learning for Pedestrian Trajectory Prediction	Wu, Yuxuan; Wang, Le*; Zhou, Sanping; Duan, Jinghai; Hua, Gang; Tang, Wei
2285 Action-Conditioned Generation of Bimanual Object Manipulation Sequences	Razali, Haziq*; Demiris, Yiannis
CV: Segmentation	Friday, February 10, 2:00-3:15pm
738 Class Overwhelms: Mutual Conditional Blended-Target Domain Adaptation	Xu, Pengcheng*; Wang, Boyu; Ling, Charles X
9852 Semantic-aware Superpixel for Weakly Supervised Semantic Segmentation	Kim, Sangtae*; Park, Daeyoung; Shim, Byonghyo
3874 Bidirectional Domain Mixup for Domain Adaptive Semantic Segmentation	Kim, Daehan*; Seo, Minseok; Park, Kwanyong; Shin, Inkyu; Woo, Sanghyun; Kweon, In So; Choi, Dong-Geol
4170 VBLC: Visibility Boosting and Logit-Constraint Learning for Domain Adaptive Semantic Segmentation under Adverse Conditions	Li, Mingjia; Xie, Binhui*; Li, Shuang; Liu, Chi Harold; Cheng, Xinjing
CV: Language and Vision	Friday, February 10, 2:00-3:15pm

785 Hypotheses Tree Building for One-Shot Temporal Sentence Localization	Liu, Daizong*; Fang, Xiang; Zhou, Pan; Di, Xing; Lu, Weining; Cheng, Yu
5328 Actional Atomic-Concept Learning for Demystifying Vision-Language Navigation	Lin, Bingqian*; Zhu, Yi; Liang, Xiaodan; Lin, Liang; Liu, Jianzhuang
927 Cross-Modal Label Contrastive Learning for Unsupervised Audio-Visual Event Localization	Bao, Peijun; Yang, Wenhan*; Ng, Boon Poh; Er, Meng Hwa; Kot, Alex
941 Curriculum Multi-Negative Augmentation for Debaised Video Grounding	Lan, Xiaohan*; Yuan, Yitian; Chen, Hong; Wang, Xin; Jie, Zequn; Ma, Lin; Wang, Zhi; Zhu, Wenwu
ML: Multi-Instance/Multi-View Learning / Matrix & Tensor Methods	Friday, February 10, 2:00-3:15pm
204 OMPQ: Orthogonal Mixed Precision Quantization	Ma, Yuexiao*; Jin, Taisong; Zheng, Xiawu; Wang, Yan; Li, Huixia; Wu, Yongjian; Jiang, Guannan; Zhang, Wei; Ji, Rongrong
4472 Tensor Compressive Sensing Fused Low-rankness and Local-smoothness	Liu, Xinling; Hou, Jingyao; Peng, Jiangjun; Wang, Hailin; Meng, Deyu; Wang, Jianjun*
3726 Tensorized Incomplete Multiview Clustering with Intrinsic Graph Completion	Zhao, Shuping; Wen, Jie; Fei, Lunke; Zhang, Bob*
277 MVCINN: Multi-View Diabetic Retinopathy Detection Using a Deep Cross-Interaction Neural Network	Luo, Xiaoling*; liu, chengliang; Wong, Waikung; Wen, Jie; jin, xiaopeng; Xu, Yong
ML: Optimization	Friday, February 10, 2:00-3:15pm
4418 CDMA: A Practical Cross-Device Federated Learning Algorithm for General Minimax Problems	Xie, Jiahao; Zhang, Chao; Shen, Zebang; Liu, Weijie; Qian, Hui*
4958 Distributed Projection-free Online Learning for Smooth and Convex Losses	Wang, Yibo*; Wan, Yuanyu; Zhang, Shimao; Zhang, Lijun
4351 Fast Convergence in Learning Two-layer Neural Networks with Separable Data	Taheri, Hossein*; Thrampoulidis, Christos
9917 Improving Pareto Front Learning via Multi-Sample Hypernetworks	Hoang, Long*; Le, Dung D.; Tran, Tuan Anh; Tran, Thang N
ML: Reinforcement Learning Algorithms	Friday, February 10, 2:00-3:15pm
10977 Learning Pessimism for Reinforcement Learning	Cetin, Edoardo*; Celiktutan, Oya
10707 Wasserstein Actor-Critic: Directed Exploration via Optimism for Continuous-Actions Control	Likmeta, Amarildo*; Sacco, Matteo; Metelli, Alberto Maria; Restelli, Marcello
10869 Bilinear Exponential Family of MDPs: Frequentist Regret Bound with Tractable Exploration & Planning	Ouhamma, Reda*; Basu, Debabrota; Maillard, Odalric
10721 On the Sample Complexity of Representation Learning in Multi-task Bandits with Global and Local structure	Russo, Alessio*; Proutiere, Alexandre
ML: Unsupervised & Self-Supervised Learning / CV: Applications	Friday, February 10, 2:00-3:15pm
879 CLIPVG: Text-Guided Image Manipulation Using Differentiable Vector Graphics	Song, Yiren*; Shao, Xuning; Chen, Kang; Zhang, Weidong; Jing, Zhongliang; Li, Minzhe
976 Adaptive Texture Filtering for Single-domain Generalized Segmentation	Li, Xinhui; Li, Mingjia; wang, yaxing; Ren, Chuan-Xian; Guo, Xiaojie*
5134 Contrastive Predictive Autoencoders for Dynamic Point Cloud Self-supervised Learning	Sheng, Xiaoxiao*; Shen, Zhiqiang; Xiao, Gang
4676 Rethinking Alignment and Uniformity in Unsupervised Image Semantic Segmentation	Zhang, Daoan*; Li, Chenming; Li, Haoquan; Huang, Wenjian; Huang, Lingyun; Zhang, Jianguo
DMKM: Web Search & Information Retrieval / Information Extraction	Friday, February 10, 2:00-3:15pm
9651 Unsupervised Legal Evidence Retrieval via Contrastive Learning with Approximate Aggregated Positive	Yao, Feng*; Zhang, Jingyuan; Zhang, Yating; Liu, Xiaozhong; Sun, Changlong; Liu, Yun; Shen, Weixing
9687 ConTextual Mask AutoEncoder for Dense Passage Retrieval	Wu, Xing*; Ma, Guangyuan; Lin, Meng; Lin, Zijia; Wang, Zhongyuan; Hu, Songlin
9267 Factual and Informative Review Generation for Explainable Recommendation	Xie, Zhouhang; Singh, Sameer; McAuley, Julian; Majumder, Bodhisattwa Prasad*
4209 fmlRE: A Low-resource Relation Extraction Model based on Feature Mapping Similarity Calculation	Wang, Peng*; Shao, Tong; Ji, Ke; Li, Guozheng; Ke, Wenjun

3:45-5:00pm - AAAI

CV: 3D Computer Vision	Friday, February 10, 3:45-5:00pm
1443 Fast Fluid Simulation via Dynamic Multi-Scale Gridding	Liu, Jinxian*; Chen, Ye; Ni, Bingbing; Ren, Wei; Yu, Zhenbo; Huang, Xiaoyang
6004 OctFormer: Efficient Octree-based Transformer for Point Cloud Compression with Local Enhancement	Cui, Mingyue*; Long, Junhua; Feng, Mingjian; Li, Boyang; Huang, Kai
8217 One is All: Bridging the Gap Between Neural Radiance Fields Architectures with Progressive Volume Distillation	fang, shuangkang*; Xu, Weixin; Wang, Heng; Yang, Yi; Wang, Yufeng; Zhou, Shuchang
2556 Multi-resolution Monocular Depth Map Fusion by Self-supervised Gradient-based Composition	Dai, Yaqiao; Yi, Renjiao; Zhu, Chenyang; He, Hongjun; Xu, Kai*
CV: Language and Vision	Friday, February 10, 3:45-5:00pm
2921 VLTinT: Visual-Linguistic Transformer-in-Transformer for Coherent Video Paragraph Captioning	Yamazaki, Kashi*; Vo, Khoa HV; Truong, Quang Sang; Raj, Bhiksha; Le, Ngan
52 Self-Emphasizing Network for Continuous Sign Language Recognition	Hu, Lianyu*; Gao, Liqing; Liu, Zekang; Feng, Wei
7631 Referring Expression Comprehension Using Language Adaptive Inference	Su, Wei; Miao, Peihan; Dou, Huanzhang; Fu, Yongjian; Li, Xi*
5962 Phrase-level Temporal Relationship Mining for Temporal Sentence Localization	Zheng, Minghang*; Li, Sizhe; Chen, Qingchao; Peng, Yuxin; Liu, Yang
CV: Object Detection & Categorization	Friday, February 10, 3:45-5:00pm
1554 Learn More for Food Recognition via Progressive Self-Distillation	Zhu, Yaohui*; Liu, Linhu; Tian, Jiang
1837 Positional Label for Self-Supervised Vision Transformer	Zhang, Zhe Min; Gong, Xun*
1421 Few-Shot Object Detection via Variational Feature Aggregation	Han, Jiaming; Ren, Yuqiang; Ding, Jian; Yan, Ke; Xia, Gui-Song*
CV: Representation Learning for Vision	Friday, February 10, 3:45-5:00pm
337 PeCo: Perceptual Codebook for BERT Pre-training of Vision Transformers	Dong, Xiaoyi*; Bao, Jianmin; Zhang, Ting; Chen, Dongdong; Zhang, Weiming; Yuan, Lu; Chen, Dong; Wen, Fang; Yu, Nenghai; Guo, Baining
1886 Frequency Selective Augmentation for Video Representation Learning	Kim, Jinhyung*; Kim, Tae Oh; Shim, Minho; Han, Dongyoon; Wee, Dongyoon; Kim, Junmo
4035 Good helper is around you: Attention-driven Masked Image Modeling	Liu, Zhengqi*; Gui, Jie; Luo, Hao
428 Synthetic Data Can Also Teach: Synthesizing Effective Data for Unsupervised Visual Representation Learning	Wu, Yawen*; Wang, Zhepeng; Zeng, Dewen; Shi, Yiyu; Hu, Jingtong
386 Self-Supervised Audio-Visual Representation Learning with Relaxed Cross-Modal Synchronicity	Sarkar, Pritam*; Etemad, Ali
DMKM: Mining of Spatial, Temporal Data / Linked Open Data, Knowledge Graphs	Friday, February 10, 3:45-5:00pm
6748 Efficient Embeddings of Logical Variables for Query Answering over Incomplete Knowledge Graphs	Wang, Dingmin*; Chen, Yeyuan; Cuenca Grau, Bernardo
8073 Analogical Inference Enhanced Knowledge Graph Embedding	Yao, Zhen*; Zhang, Wen; Chen, Mingyang; Huang, Yufeng; Yang, Yi; Chen, Huajun
6300 Human-instructed Deep Hierarchical Generative Learning for Automated Urban Planning	Wang, Dongjie*; Wu, Lingfei; Zhang, Denghui; Zhou, Jingbo; Sun, Leilei; Fu, Yanjie
4536 GMDNet: A Graph-based Mixture Density Network for Estimating Packages' Multimodal Travel Time Distribution	Mao, Xiaowei*; Wan, Huaiyu; Wen, Haomin; Wu, Fan; Zheng, Jianbin; Qiang, Yuting; Guo, Shengnan; Wu, Lixia; Hu, Haoyuan; Lin, Youfang
ML: Online Learning & Bandits / Learning Theory	Friday, February 10, 3:45-5:00pm
8705 An Improved Algorithm for Online Reranking	Bienkowski, Marcin*; Mucha, Marcin
7224 A Parameterized Theory of PAC Learning	Brand, Cornelius*; Galian, Robert; Simonov, Kirill
2380 Fully Dynamic Online Selection through Online Contention Resolution Schemes	Avadhanula, Vashist; Celli, Andrea*; Colini Baldeschi, Riccardo; Leonardi, Stefano; Russo, Matteo
9254 Entropy Regularization for Population Estimation	Chugg, Ben*; Henderson, Peter; Ho, Daniel; Goldin, Jacob
KRR: Knowledge Representation and Reasoning	Friday, February 10, 3:45-5:00pm
1144 Learning Logic Programs by Discovering Where Not to Search	Cropper, Andrew*; Hocquette, Céline

5975 Enabling Knowledge Refinement upon New Concepts in Abductive Learning	Huang, Yu-Xuan*; Dai, Wang-Zhou; Jiang, Yuan; Zhou, Zhi-Hua
5727 Sample Complexity of Automata Cascades	Ronca, Alessandro*; Knorozova, Nadezda Alexandrovna; De Giacomo, Giuseppe
587 Learning Interpretable Temporal Properties from Positive Examples Only	Roy, Rajarshi*; Gaglione, Jean-Raphaël; Baharisangari, Nasim; Neider, Daniel; Xu, Zhe; Topcu, Ufuk
ML: Optimization	Friday, February 10, 3:45-5:00pm
1672 An Improved Approximation Algorithm for Wage Determination and Online Task Allocation in Crowd-sourcing	Hikima, Yuya*; Akagi, Yasunori; Kim, Hideaki; Asami, Taichi
10903 On Error and Compression Rates for Prototype Rules	Weiss, Roi*; Kerem, Omer
10866 End-to-End Learning for Optimization via Constraint-Enforcing Approximators	Cristian, Rares C*; Harsha, Pavithra; Perakis, Georgia; Quanz, Brian; Spantidakis, Ioannis
2432 Efficient Gradient Approximation Method for Constrained Bilevel Optimization	Xu, Siyuan; Zhu, Minghui *
RU: Reasoning Under Uncertainty / ML: Causal Learning	Friday, February 10, 3:45-5:00pm
10955 Learning the Finer Things: Bayesian Structure Learning at the Instantiation Level	Yakaboski, Chase A*; Santos Jr., Eugene
10933 Stable Learning via Sparse Variable Independence	Yu, Han*; Cui, Peng; He, Yue; Shen, Zheyang; LIN, Yong; Xu, Renzhe; Zhang, Xingxuan
10879 Improvement-Focused Causal Recourse (ICR)	König, Gunnar*; Freiesleben, Timo; Grosse-Wentrup, Moritz
10786 Optimal Decision Diagrams for Classification	Florio, Alexandre*; Martins, Pedro; Schiffer, Maximilian; Serra, Thiago; Vidal, Thibaut
ML: Clustering	Friday, February 10, 3:45-5:00pm
223 Multi-level Confidence Learning for Trustworthy Multimodal Classification	Tang, Chang*; Zheng, Xiao; Wan, Zhiguo; Hu, Chengyu; Zhang, Wei
9242 Semantic-enhanced Image Clustering	Cai, Shaotian*; Qiu, Liping; Chen, Xiaojun; ZHANG, QIN; Chen, Longteng
7572 UEQMS: UMAP Embedded Quick Mean Shift Algorithm for High Dimensional Clustering	Kumar, Abhishek; Das, Swagatam*; Mallipeddi, Rammohan
4870 Understanding Representation Learnability of Nonlinear Self-Supervised Learning	Yang, Ruofeng; Li, Xiangyuan; Jiang, Bo; Li, Shuai*
ML: Transparent, Interpretable, Explainable ML	Friday, February 10, 3:45-5:00pm
4384 Improving Uncertainty Quantification of Deep Classifiers via Neighborhood Conformal Prediction: Novel Algorithm and Theoretical Analysis	GHOSH, SUBHANKAR; Belkhouja, Taha; Yan, Yan; Doppa, Janardhan Rao*
8636 Toward a Perspectivist Turn in Ground Truthing for Predictive Computing	Cabitz, Federico; Campagner, Andrea*; Basile, Valerio
8056 Towards More Robust Interpretation via Local Gradient Alignment	Joo, Sunghwan; Jeong, SeokHyeon; Heo, Juyeon; Weller, Adrian; Moon, Taesup*
10020 Global Concept-Based Interpretability for Graph Neural Networks via Neuron Analysis	Xuanyuan, Han*; Barbiero, Pietro; Georgiev, Dobrik G.; Magister, Lucie Charlotte; Lió, Pietro
PRS: Planning With Markov Models (MDPs, POMDPs)	Friday, February 10, 3:45-5:00pm
7293 Markov Decision Processes with Time-Varying Geometric Discounting	Gan, Jiarui; Hennes, Annika L*; Majumdar, Rupak; Mandal, Debmalaya; Radanovic, Goran
5614 Flexible Budgets in Restless Bandits: A Primal-Dual Algorithm for Efficient Budget Allocation	Rodriguez Diaz, Paula*; Killian, Jackson; Xu, Lily; Taneja, Aparna; Suggala, Arun Sai; Tambe, Milind
5765 Networked Restless Bandits with Positive Externalities	Herlihy, Christine R*; Dickerson, John P
1882 Ultrafast Euclidean Shortest Path Computation using Hub Labeling	Du, Jinchun*; Shen, Bojie; Cheema, Muhammad Aamir
SNLP: Learning & Optimization for SNLP	Friday, February 10, 3:45-5:00pm
985 Augmenting Affective Dependency Graph via Iterative Incongruity Graph Learning for Sarcasm Detection	Wang, Xiaobao*; Dong, Yiqi; Jin, Di; Li, Yawen; Wang, Longbiao; Dang, Jianwu
3851 End-to-end Entity Linking with Hierarchical Reinforcement Learning	Chen, Lihan*; Zhu, Tinghui; Liu, Jingping; Liang, Jiaqing; Xiao, Yanghua
6025 KICE: A Knowledge Consolidation and Expansion Framework for Relation Extraction	Lu, Yilin*; Wang, Xiaoqiang; Yang, Haofeng; Tang, Siliang

8629 Improving Interpretability via Explicit Word Interaction Graph Layer	Sekhon, Arshdeep*; Chen, Hanjie; Shrivastava, Aman; Wang, Zhe; Ji, Yangfeng; Qi, Yanjun
SNLP: Applications	Friday, February 10, 3:45-5:00pm
10397 ProKD: An Unsupervised Prototypical Knowledge Distillation Network for Zero-Resource Cross-Lingual Named Entity Recognition	Ge, Ling*; Hu, Chunming; Ma, Guanghui; Zhang, Hong; Liu, Jihong
10156 Self-supervised Logic Induction for Explainable Fuzzy Temporal Commonsense Reasoning	Cai, Bibo*; Ding, Xiao; Sun, Zhouhao; Qin, Bing; Liu, Ting; wang, Baojun; Shang, Lifeng
7445 Distantly-Supervised Named Entity Recognition with Adaptive Teacher Learning and Fine-grained Student Ensemble	Qu, Xiaoye*; Zeng, Jun; Liu, Daizong; Wang, Zhefeng; Huai, Baoxing; Zhou, Pan
5412 A Generative Approach for Script Event Prediction via Contrastive Fine-tuning	zhu, fangqi*; Gao, Jun; Yu, Changlong; Wang, Wei; Xu, Chen; Mu, Xin; Yang, Min; Xu, Ruifeng
SNLP: Information Extraction	Friday, February 10, 3:45-5:00pm
7118 Exploring Self-distillation based Relational Reasoning Training for Document-level Relation Extraction	zhang, liang; Su, Jinsong; Zijun, Min; Miao, Zhongjian; Hu, Qingguo; Fu, Biao; shi, xiaodong; Chen, Yidong*
6229 Online Noisy Continual Relation Learning	Li, Guozheng; Wang, Peng*; Luo, Qiqing; Liu, Yanhe; Ke, Wenjun
10166 Reviewing Labels: Label Graph Network with Top-k Prediction Set for Relation Extraction	Li, Bo*; Ye, Wei; Zhang, Jinglei; Zhang, Shikun
4452 Improving Distantly Supervised Relation Extraction by Natural Language Inference	Zhou, Kang*; Qiao, Qiao; Li, Yuepei; Li, Qi
SNLP: Machine Translation & Multilinguality	Friday, February 10, 3:45-5:00pm
7881 A Latent-Variable Model for Intrinsic Probing	Stanczak, Karolina*; Torroba Hennigen, Lucas F; Williams, Adina; Cotterell, Ryan; Augenstein, Isabelle
1713 Script, Language, and Labels: Overcoming Three Discrepancies for Low-Resource Language Specialization	Lee, Jaeseong*; Lee, Dohyeon; Hwang, Seung-won
7036 VideoDubber: Machine Translation with Speech-aware Length Control for Video Dubbing	Wu, Yihan*; Guo, Junliang; Tan, Xu; Zhang, Chen; Li, Bohan; Song, Ruihua; He, Lei; Zhao, Sheng; Menezes, Arul; Bian, Jiang
6022 A Graph Fusion Approach for Cross-Lingual Machine Reading Comprehension	Xu, Zenan*; Shou, Linjun; Pei, Jian; Gong, Ming; Su, Qinliang; Quan, Xiaojun; Jiang, Daxin

AISI: Security and Privacy	Friday, February 10, 3:45-5:00pm
1211 ERASER: AdvERsarial Sensitive Element Remover for Image Privacy Preservation	Yang, Guang; Cao, Juan*; Wang, Danding; Qi, Peng; Li, Jintao
2392 Noise Based Deepfake Detection via Multi-Head Relative-Interaction	Wang, Tianyi*; Chow, Kam Pui
3298 COSMOS: Catching Out-of-Context Image Misuse using Self Supervised Learning	Aneja, Shivangi*; Bregler, Chris; Niessner, Matthias
10395 Privacy-preserved Evolutionary Graph Modeling via Gromov-Wasserstein Autoregression	Xiang, Yue; Luo, Dixin; Xu, Hongteng*

SRAI: Safe and Robust Reinforcement Learning II	Friday, February 10, 3:45-5:00pm
8530 SafeLight: A Reinforcement Learning Method toward Collision-free Traffic Signal Control	Du, Wenlu; Ye, Junyi; Gu, Jingyi; Li, Jing; Wei, Hua; Wang, Guiling *
8665 A Risk-Sensitive Approach to Policy Optimization	Markowitz, Jared*; Gardner, Ryan W; Llorens, Ashley J; Arora, Raman; Wang, I-Jeng
9239 Constrained Reinforcement Learning in Hard Exploration Problems	Pankayaraj, Pathmanathan; Varakantham, Pradeep*
9788 STL-Based Synthesis of Feedback Controllers Using Reinforcement Learning	Singh, Nikhil Kumar; Saha, Indranil*

5:00-6:00pm - AAAI Invited Talk	
	Josh Tenenbaum (Massachusetts Institute of Technology, USA)
6:00-7:00pm - AAAI Invited Talk	
We used Reinforcement Learning; but did it work?	Susan Murphy (Harvard University)

Saturday, February 11, 2023**8:30-9:30am - AAAI Invited Talk**

Robots with a sense of touch: self-replicating the machine and learning the self	Sami Haddadin (Technical University of Munich)
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9:30-11:30am - Diversity and Inclusion

Making Money While Doing Good!	Bryant Gomer and Tara Chklovski
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9:30-10:45am - AAAI**CMS: Brain Modeling / HAI: Humans and AI** **Saturday, February 11, 9:30-10:45am**

10935 Deep Spiking Neural Networks with High Representation Similarity Model Visual Pathways of Macaque and Mouse	Huang, Liwei*; Ma, Zhengyu; Yu, Liutao; Zhou, Huihui; Tian, Yonghong
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10740 Sparse Maximum Margin Learning From Multimodal Human Behavioral Patterns	Zheng, Ervine*; Yu, Qi; Zheng, Zhi
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4182 Extracting Semantic-Dynamic Features for Long-Term Stable Brain Computer Interface	Fang, Tao*; Zheng, Qian Dr.; Qi, Yu; Pan, Gang
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8961 COCA: Collaborative CAusal Regularization for Audio-Visual Question Answering	Lao, Mingrui*; Pu, Nan; Liu, Yu; He, Kai; Bakker, Erwin M.; Lew, Michael S
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CV: 3D Computer Vision **Saturday, February 11, 9:30-10:45am**

3409 IKOL: Inverse kinematics optimization layer for 3D human pose and shape estimation via Gauss-Newton differentiation	Zhang, Juze; Shi, Ye*; Ma, Yuexin; Xu, Lan; Yu, Jingyi; Wang, Jingya
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3043 RAFaRe: Learning Robust and Accurate Non-parametric 3D Face Reconstruction from pseudo 2D&3D pairs	Guo, Longwei; Zhu, Hao*; Lu, Yuanxun; Wu, Menghua; Cao, Xun
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10768 Tracking and Reconstructing Hand Object Interactions from Point Cloud Sequences in the Wild	Chen, Jiayi; Yan, Mi; Zhang, Jiazhao; Xu, Yinzhen; Li, Xiaolong; Weng, Yijia; Yi, Li; Song, Shuran; Wang, He*
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3006 NeAF: Learning Neural Angle Fields for Point Normal Estimation	Li, Shujuan; Zhou, Junsheng; Ma, Baorui; Liu, Yu-Shen*; Han, Zhizhong
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CV: Computational Photography, Image & Video Synthesis **Saturday, February 11, 9:30-10:45am**

10859 Generative Image Inpainting with Segmentation Confusion Adversarial Training and Contrastive Learning	Zuo, Zhiwen*; Zhao, Lei; Li, Ailin; Wang, Zhizhong; Zhang, Zhanjie; Chen, Jiafu; Xing, Wei; Lu, Dongming
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2779 ShiftDDPMs: Exploring Conditional Diffusion Models by Shifting Diffusion Trajectories	Zhang, Zijian*; Zhao, Zhou; Yu, Jun; Tian, Qi
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10022 Progressive Few-shot Adaption of Generative Model with Align-free Spatial Correlation	Moon, Jongbo; Kim, Hyunjun*; Heo, Jae-Pil
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10679 Unsupervised Deep Learning for Phase Retrieval via Teacher-Student Distillation	Quan, Yuhui; Chen, Zhile*; Pang, Tongyao; Ji, Hui
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CV: Representation Learning for Vision **Saturday, February 11, 9:30-10:45am**

3387 Universe Points Representation Learning for Partial Multi-Graph Matching	Nurlanov, Zhakshylyk*; Schmidt, Frank R; Bernard, Florian
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48 Domain Decorrelation with Potential Energy Ranking	Pei, Sen*; Sun, Jiayi; Xu, Richard Yi Da; XIANG, SHIMING; Meng, Gaofeng
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3762 Self-Contrastive Learning: Single-viewed Supervised Contrastive Framework using Sub-network	Bae, Sangmin*; Kim, Sungnyun; Ko, Jongwoo; Lee, Gihun; Noh, SeungJong; Yun, Se-Young
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1754 Linking Sketch Patches by Learning Synonymous Proximity for Graphic Sketch Representation	Zang, Sicong*; Tu, Shikui; Xu, Lei
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CV: Multi-modal Vision **Saturday, February 11, 9:30-10:45am**

5979 M3AE: Multimodal Representation Learning for Brain Tumor Segmentation with Missing Modalities	Liu, Hong; WEI, DONG*; Lu, Donghuan; Sun, Jinghan; Wang, Liansheng; Zheng, Yefeng
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4734 Mx2M: Masked Cross-Modality Modeling in Domain Adaptation for 3D Semantic Segmentation	Zhang, Boxiang; Wang, Zunran; Ling, Yonggen; Guan, Yuanyuan; zhang, shenghao; Li, Wenhui*
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62 Towards Good Practices for Missing Modality Robust Action Recognition	Woo, Sangmin; Lee, Sumin; Park, Yeonju; Nugroho, Muhammad Adi; Kim, Changick*
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10341 Hierarchical Consistent Contrastive Learning for Skeleton-Based Action Recognition with Growing Augmentations	Zhang, Jiahang*; Lin, Lilang; Liu, Jiaying
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DMKM: Recommender Systems	Saturday, February 11, 9:30-10:45am
5880 Few-Shot Composition Learning for Image Retrieval with Prompt Tuning	Wu, Junda; Wang, Rui*; Zhao, Handong; Zhang, Ruiyi; Lu, Chaochao; Li, Shuai; Henao, Ricardo
6818 Cross-domain Adaptive Learning for Online Advertisement Customer Lifetime Value Prediction	Su, Hongzu; Du, Zhekai*; Li, Jingjing; Zhu, Lei; Lu, Ke
4913 Uniform Sequence Better: Time Interval Aware Data Augmentation for Sequential Recommendation	Dang, Yizhou; Yang, Enneng; Guo, Guibing*; Jiang, Linying; Wang, Xingwei; Xu, Xiaoxiao; Sun, Qinghui; Liu, Hong
6342 LANCER: A Lifetime-Aware News Recommender System	Bae, Hong-Kyun*; Ahn, Jeewon; Lee, Dongwon; Kim, Sang-Wook
GTEP: Economic Paradigms	Saturday, February 11, 9:30-10:45am
2022 PAC learning and stabilizing Hedonic Games: towards a unifying approach.	Fioravanti, Simone*; Flammini, Michele; Kodric, Bojana; Varricchio, Giovanna
2916 Differentially Private Fair Division	Manurangsi, Pasin; Suksompong, Warut*
2746 DACOM: Learning Delay-Aware Communication for Multi-Agent Reinforcement Learning	Yuan, Tingting*; Chung, Hwei-Ming; Yuan, Jie; Fu, Xiaoming
9725 Reward-based Negotiating Agent Strategies	Higa, Ryota*; Fujita, Katsuhide; Takahashi, Toki; Shimizu, Takumu; Nakadai, Shinji
KRR: Reasoning and Knowledge Engineering	Saturday, February 11, 9:30-10:45am
6886 Learning to Select Prototypical Parts for Interpretable Sequential Data Modeling	Zhang, Yifei*; Gao, Neng; Ma, Cunqing
5137 MCoMet: Multimodal Fusion Transformer for Physical Audiovisual Commonsense Reasoning	Zong, Daoming*; Sun, Shiliang
1896 Copyright-certified distillation dataset: Distilling one million coins into one bitcoin with your private key	liu, tengjun*; Chen, Ying; Gu, Wanxuan
968 Quality-Aware Self-Training on Differentiable Synthesis of Rare Relational Data	Zhang, Chongsheng; Hou, Yaxin; Chen, Ke*; Cao, Shuang; Fan, Gaojuan; Liu, Ji
MAS: Multiagent Learning	Saturday, February 11, 9:30-10:45am
3371 Effective and Stable Role-based Multi-Agent Collaboration by Structural Information Principles	Zeng, Xianghua*; Peng, Hao; Li, Angsheng
4736 Contrastive Identity-Aware Learning for Multi-Agent Value Decomposition	Liu, Shunyu; Zhou, Yihe; Song, Jie*; Zheng, Tongya; Chen, Kaixuan; Zhu, Tongtian; Feng, Zunlei; Song, Mingli
1676 Learning Explicit Credit Assignment for Cooperative Multi-Agent Reinforcement Learning via Polarization Policy Gradient	Chen, Wubing; Li, Wenbin*; Liu, Xiao; Yang, Shangdong; Gao, Yang
1244 Hierarchical Mean-Field Deep Reinforcement Learning for Large-Scale Multiagent Systems	Yu, Chao*
ML: Adversarial Learning & Robustness	Saturday, February 11, 9:30-10:45am
3724 Combining Adversaries with Anti-adversaries in Training	zhou, xiaoling; 杨, 杨楠; Wu, Ou*
4432 Towards Optimal Randomized Strategies in Adversarial Example Game	Xie, Jiahao; Zhang, Chao; Liu, Weijie; Bai, Wensong; Qian, Hui*
9978 Behavioral Learning in Security Games: Threat of Multi-Step Manipulative Attacks	Nguyen, Thanh*; Sinha, Arunesh
3803 Memorization Weights for Instance Reweighting in Adversarial Training	Zhang, Jianfu*; Hong, Yan; Zhao, Qibin
ML: Bias and Fairness	Saturday, February 11, 9:30-10:45am
5805 Predictive Multiplicity in Probabilistic Classification	Watson-Daniels, Jamelle*; Parkes, David; Ustun, Berk
1814 Social Bias Meets Data Bias: The Impacts of Labeling and Measurement Errors on Fairness Criteria	Liao, Yiqiao*; Naghizadeh, Parinaz
5757 Very Fast, Approximate Counterfactual Explanations for Decision Forests	Carreira-Perpinan, Miguel A*; Hada, Suryabhan Singh
2897 Minimax AUC Fairness: Efficient Algorithm with Provable Convergence	Yang, Zhenhuan; Ko, Yan Lok; Varshney, Kush R; Ying, Yiming*
ML: Clustering	Saturday, February 11, 9:30-10:45am
7758 Understanding the Generalization Performance of Spectral Clustering Algorithms	Li, Shaojie*; Ouyang, Sheng; Liu, Yong
3623 Metric Multi-view Graph Clustering	Tan, Yuze; Liu, Yixi; Wu, Hongjie; Lv, Jiancheng; Huang, Shudong*
9739 Clustering What Matters: Optimal Approximation for Clustering with Outliers	Agrawal, Akanksha; Inamdar, Tanmay*; Saurabh, Saket; Xue, Jie

3760 Stability-based Generalization Analysis for Mixtures of Pointwise and Pairwise Learning	Wang, Jiahuan; Chen, Jun; Chen, Hong*; Gu, Bin; Li, Weifu; tang, xin
ML: Learning on the Edge & Model Compression / Deep Neural Networks	Saturday, February 11, 9:30-10:45am
10776 ProxyBO: Accelerating Neural Architecture Search via Bayesian Optimization with Zero-cost Proxies	Shen, Yu*; Li, Yang; Zheng, Jian; Zhang, Wentao; Yao, Peng; Li, Jixiang; Yang, Sen; Liu, Ji ; Cui, Bin
10705 Local Intrinsic Dimensional Entropy	Ghosh, Rohan*; Motani, Mehul
10630 Peeling the Onion: Hierarchical Reduction of Data Redundancy for Efficient Vision Transformer Training	Kong, Zhenglun*; Ma, Haoyu; Yuan, Geng; Sun, Mengshu; Xie, Yanyue; Dong, Peiyan; Meng, Xin; Shen, Xuan; Tang, Hao; Qin, Minghai; Chen, Tianlong; Ma, Xiaolong; Xie, Xiaohui; Wang, Zhangyang; Wang, Yanzhi
10664 Resilient Binary Neural Network	Xu, Sheng*; Li, Yanjing; Ma, Teli; Lin, Mingbao; Dong, Hao; Zhang, Baochang; Gao, Peng; Lu, Jinhu
ML: Reinforcement Learning Algorithms	Saturday, February 11, 9:30-10:45am
4726 Metric Residual Network for Sample Efficient Goal-conditioned Reinforcement Learning	Liu, Bo*; Feng, Yihao; Liu, Qiang; Stone, Peter
7125 Conceptual Reinforcement Learning for Language-Conditioned Tasks	Peng, Shaohui*; Hu, Xing; Zhang, Rui; Guo, Jiaming; Yi, Qi; Chen, Ruizhi; Du, Zidong; Li, Ling; Guo, Qi; Chen, Yunji
2254 Policy-Independent Behavioral Metric-Based Representation for Deep Reinforcement Learning	Liao, Wei-jian*; Zhang, Zongzhang; Yu, Yang
8622 PiCor: Multi-Task Deep Reinforcement Learning with Policy Correction	Bai, Fengshuo*; Zhang, Hongming; Tao, Tianyang; Wu, Zhiheng; Wang, Yanna; xu, bo
ML: Transfer, Domain Adaptation, Multi-Task Learning	Saturday, February 11, 9:30-10:45am
6330 DrugOOD: Out-of-Distribution Dataset Curator and Benchmark for AI-aided Drug Discovery -- A Focus on Affinity Prediction Problems with Noise Annotations	Ji, Yuanfeng; Zhang, Lu; Wu, Jiayang; Wu, Bingzhe; Li, Lanqing; Huang, Longkai; Xu, Tingyang; Rong, Yu; Ren, Jie; Xue, Ding; Lai, Houtim; Liu, Wei; Huang, Junzhou; Zhou, Shuigeng; Luo, Ping; Zhao, Peilin; Bian, Yatao*
4279 Domain Adaptation with Adversarial Training on Penultimate Activations	Sun, Tao*; Lu, Cheng; Ling, Haibin
4122 Better Generalized Few-Shot Learning Even Without Base Data	Kim, Seong-Woong; Choi, Dong-Wan*
1167 Lifelong Compression Mixture Model via Knowledge Relationship Graph	Ye, Fei*; Bors, Adrian
PRS: Planning/Scheduling and Learning / ML: Online Learning & Reinforcement Learning	Saturday, February 11, 9:30-10:45am
3134 FanoutNet: A Neuralized PCB Fanout Automation Method Using Deep Reinforcement Learning	Li, Haiyun; Zhang, Jixin; Ning, Xu*; Mingyu, Liu
4248 Learning-Assisted Algorithm Unrolling for Online Optimization with Budget Constraints	Yang, Jianyi*; Ren, Shaolei
2558 Neural TSP Solver with Progressive Distillation	Zhang, Dongxiang*; Xiao, Ziyang; WANG, Yuan; Song, Mingli; Chen, Gang
1801 Predicate Invention for Bilevel Planning	Silver, Tom*; Chitnis, Rohan; Kumar, Nishanth J; McClinton, Willie; Lozano-Perez, Tomas; Kaelbling, Leslie; Tenenbaum, Joshua
AISI: Energy and Agriculture	
Saturday, February 11, 9:30-10:45am	
3439 Low Emission Building Control with Zero-Shot Reinforcement Learning	Jeen, Scott*; Abate, Alessandro; Cullen, Jonathan M
4345 Physics Guided Neural Networks for Time-aware Fairness: An Application in Crop Yield Prediction	He, Erhu; Xie, Yiqun; Liu, Licheng; Chen, Weiye; Jin, Zhenong; Jia, Xiaowei*
5059 Winning the CityLearn Challenge: Adaptive Optimization with Evolutionary Search under Trajectory-based Guidance	Khattar, Vanshaj*; Jin, Ming
8657 Carburacy: Summarization Models Tuning and Comparison in Eco-Sustainable Regimes with a Novel Carbon-Aware Accuracy	Moro, Gianluca; Ragazzi, Luca; Valgimigli, Lorenzo*

11:15am-12:30pm - AAAI	
CSO: Satisfiability	Saturday, February 11, 11:15am-12:30pm
6390 Eliminating The Impossible, Whatever Remains Must Be True: On Extracting and Applying Background Knowledge In The Context Of Formal Explanations	Yu, Jinqiang*; Ignatiev, Alexey; Stuckey, Peter; Narodytska, Nina; Marques-Silva, Joao
8795 Solving Explainability Queries with Quantification: The Case of Feature Relevancy	Huang, Xuanxiang; Izza, Yacine; Marques-Silva, Joao*
5030 Fast Converging Anytime Model Counting	Lai, Yong*; Meel, Kuldeep S; Yap, Roland H.C.
1776 Reachability Games Modulo Theories with a Bounded Safety Player	Faella, Marco*; Parlato, Gennaro
SNLP: Applications	Saturday, February 11, 11:15am-12:30pm
682 AutoStegaFont: Synthesizing Vector Fonts for Hiding Information in Documents	Yang, Xi*; Fang, Han; Zhang, Jie; Liu, Chang; Ma, Zehua; Zhang, Weiming; Yu, Nenghai
8393 HRDoc: Dataset and Baseline Method Toward Hierarchical Reconstruction of Document Structures	Ma, Jiefeng*; Du, Jun; Hu, Pengfei; Zhenrong, Zhang; Zhang, Jianshu; Zhu, Huihui; Liu, Cong
7135 Alignment-Enriched Tuning for Patch-Level Pre-trained Document Image Models	Wang, Lei; He, JiaBang; Xu, Xing*; Liu, Ning; LIU, HUI
8446 Video Event Extraction via Tracking Visual States of Arguments	Yang, Guang*; Li, Manling; Zhang, Jiajie; Lin, Xudong; Ji, Heng; Chang, Shih-Fu
CV: Computational Photography, Image & Video Synthesis	Saturday, February 11, 11:15am-12:30pm
436 Frido: Feature Pyramid Diffusion for Complex Scene Image Synthesis	Fan, Wan-Cyuan*; Chen, Yen-Chun; Chen, DongDong; Cheng, Yu; Yuan, Lu; Wang, Yu-Chiang Frank
9571 CoopNit: Initializing Generative Adversarial Networks via Cooperative Learning	Zhao, Yang*; Xie, Jianwen; Li, Ping
2123 Semantic 3D-aware Portrait Synthesis and Manipulation Based on Compositional Neural Radiance Field	Ma, Tianxiang*; Li, Bingchuan; He, Qian; Dong, Jing; Tan, Tieniu
786 Few-Shot Defect Image Generation via Defect-Aware Feature Manipulation	Duan, Yuxuan*; Hong, Yan; Niu, Li; Zhang, Liqing
CV: Vision for Robotics & Autonomous Driving	Saturday, February 11, 11:15am-12:30pm
4496 Diversified and Realistic 3D Augmentation via Iterative Construction, Random Placement, and HPR Occlusion	Shin, Jungwook; Kim, Jaeill; Lee, Kyungeun; Cho, Hyunghun; Rhee, Wonjong*
19 LidarMultiNet: Towards a Unified Multi-task Network for LiDAR Perception	Ye, Dongqiangzi; Zhou, Zixiang*; Chen, Weijia; Xie, Yufei; Wang, Yu; Wang, Panqu; Foroosh, Hassan
3753 DarkFeat: Robustness Detector and Descriptor for Extremely Low-Light Images	He, Yuze*; Hu, Yubin; Zhao, Wang; Li, Jisheng; Liu, Yong-Jin; Han, Yuxing; Wen, Jiangtao (Gene)
8472 MGTANet: Encoding Sequential LiDAR Points Using Long Short-Term Motion-Guided Temporal Attention for 3D Object Detection	Koh, Junho*; Lee, JunHyung; Lee, Youngwoo; Kim, Jaekyum; Choi, Jun Won
GTEP: Game Theory and Economic Paradigms / MAS: Multiagent Systems	Saturday, February 11, 11:15am-12:30pm
2788 Identifying and Eliminating Majority Illusion in Social Networks	Grandi, Umberto; Kanesh, Lawqueen; Lisowski, Grzegorz*; Sridharan, Ramanujan; Turrini, Paolo
6824 Scalable Edge Blocking Algorithms for Defending Active Directory Style Attack Graphs	Guo, Mingyu*; Ward, Max; Neumann, Aneta; Neumann, Frank; Nguyen, Hung
9866 Distributed Spectrum-based Fault Localization	Natan, Avraham J*; Stern, Roni; Kalech, Meir
7047 A Structural Complexity Analysis of Synchronous Dynamical Systems	Eiben, Eduard; Ganian, Robert*; Hamm, Thekla; Korchemna, Viktoriia
GTEP: Social Choice / Voting	Saturday, February 11, 11:15am-12:30pm
1570 Class Fairness in Online Matching	Hosseini, Hadi*; Huang, Zhiyi; Igarashi, Ayumi; Shah, Nisarg
9190 Partitioning Friends Fairly	Li, Lily; Micha, Evi; Nikolov, Aleksandar; Shah, Nisarg*
3522 Optimizing Multiple Simultaneous Objectives for Voting and Facility Location	Han, Yue; Jerrett, Christopher; Anshelevich, Elliot*
3780 Differentially Private Condorcet Voting	Li, Zhechen; LIU, Ao; Xia, Lirong; Cao, Yongzhi*; Wang, Hanpin
KRR: Knowledge Acquisition	Saturday, February 11, 11:15am-12:30pm
1260 Efficient Answer Enumeration in Description Logics with Functional Roles	Lutz, Carsten*; Przybylko, Marcin

5697 GANTEE: Generative Adversarial Network for Taxonomy Entrance Evaluation	Gu, Zhouhong*; Jiang, Sihang; Liu, Jingping; Xiao, Yanghua; Feng, Hongwei; Li, Zhixu; Liang, Jiaqing; Jian, Zhong
7870 Visually Grounded Commonsense Knowledge Acquisition	Yao, Yuan*; Yu, Tianyu; Zhang, Ao; Li, Mengdi; Xie, Ruobing; Weber, Cornelius; Liu, Zhiyuan; Zheng, Hai-Tao; Wermter, Stefan; Chua, Tat-Seng; Sun, Maosong
7528 Multi-Aspect Explainable Inductive Relation Prediction by Sentence Transformer	Su, Zhixiang; Wang, Di*; Miao, Chunyan; Cui, Lizhen
ML: Adversarial Learning & Robustness	Saturday, February 11, 11:15am-12:30pm
10381 Towards Efficient and Domain-Agnostic Evasion Attack with High-dimensional Categorical Inputs	Bao, Hongyan*; Han, Yufei; Zhou, Yujun; Gao, Xin; Zhang, Xiangliang
3508 Training-Time Attacks Against k-Nearest Neighbors	Vartanian, Ara; Rosenbaum, Will; Alfeld, Scott*
2989 Adversarial Weight Perturbation Improves Generalization in Graph Neural Networks	Wu, Yihan*; Bojchevski, Aleksandar; Huang, Heng
10085 Purifier: Defending Data Inference Attacks via Transforming Confidence Scores	Yang, Ziqi*; Wang, Lijin; Yang, Da; Wan, Jie; Zhao, Ziming; Chang, Ee-Chien; Zhang, Fan; Ren, Kui
ML: Graph-based Machine Learning	Saturday, February 11, 11:15am-12:30pm
4797 Data Imputation with Iterative Graph Reconstruction	Zhong, Jiajun; Ye, Weiwei; Gui, Ning*
7568 USER: Unsupervised Structural Entropy-based Robust Graph Neural Network	Wang, Yifei; Wang, Yupan; Zhang, Zeyu; Yang, Song; Zhao, Kaiqi; Liu, Jiamou*
2299 Graph Anomaly Detection via Multi-Scale Contrastive Learning Networks with Augmented View	Duan, Jingcan; Wang, Siwei; Zhang, Pei; Zhu, En*; Hu, Jingtao; Jin, Hu; Liu, Yue; Dong, Zhibin
4594 Attribute and Structure Preserving Graph Contrastive Learning	Chen, Jialu ; Kou, Gang*
ML: Reinforcement Learning Theory & Algorithms	Saturday, February 11, 11:15am-12:30pm
6847 Gradient-Adaptive Pareto Optimization for Constrained Reinforcement Learning	Zhou, Zixian*; Huang, Mengda; Pan, Feiyang; He, Jia; Ao, Xiang; Tu, Dandan; He, Qing
7369 Exploration via Epistemic Value Estimation	Schmitt, Simon*; Shawe-Taylor, John ; van Hasselt, Hado
10743 Optimism in Face of a Context:Regret Guarantees for Stochastic Contextual MDP	Levy, Orin*; Mansour, Yishay
10621 Non-stationary Risk-sensitive Reinforcement Learning: Near-optimal Dynamic Regret, Adaptive Detection, and Separation Design	Ding, Yuhao*; Jin, Ming; Lavaei, Javad
ML: Time-Series/Data Streams	Saturday, February 11, 11:15am-12:30pm
8775 An Extreme-Adaptive Time Series Prediction Model Based on Probability-Enhanced LSTM Neural Networks	Li, Yanhong; Xu, Jack; Anastasiu, David C*
3830 Deep Latent Regularity Network for Modeling Stochastic Partial Differential Equations	Gong, Shiqi*; Hu, Peiyan; Meng, Qi; Wang, Yue; Zhu, Rongchan; Chen, Bingguang; Ma, Zhiming; Ni, Hao; Liu, Tie-Yan
5621 Opposite Online Learning via Sequentially Integrated Stochastic Gradient Descent Estimators	Cui, Wenhai; Ji, Xiaoting; Kong, Linglong; Yan, Xiaodong*
2124 Are Transformers Effective for Time Series Forecasting?	Zeng, Ailing*; Chen, Muxi; Zhang, Lei; Xu, Qiang
612 Deep Attentive Model for Knowledge Tracing	Wang, Xinpeng*; Chen, Liangyu; Zhang, Min
2147 Supervised Contrastive Few-shot Learning for High-frequency Time Series	Chen, Xi*; Ge, Cheng; Wang, Ming; Wang, Jin
7569 Learnable Path in Neural Controlled Differential Equations	Jhin, Sheo Yon*; Jo, Minju; Kook, Seungji; Park, Noseong
10276 Hierarchical Contrastive Learning for Temporal Point Processes	Wang, Qingmei; Cheng, Minjie; Yuan, Shen; Xu, Hongteng*
ML: Representation Learning / Transfer, Domain Adaptation, Multi-Task Learning	Saturday, February 11, 11:15am-12:30pm
10777 Controlling Class Layout for Deep Ordinal Classification via Constrained Proxies Learning	Wang, Cong*; Jiang, Zhiwei; Yin, Yafeng; Cheng, Zifeng; Ge, Shiping; GU, QING
10708 Estimating Regression Predictive Distributions with Sample Networks	Harakeh, Ali*; Hu, Jordan Sir Kwang; Guan, Naiqing; Waslander, Steven L; Paull, Liam
10962 Learning Optimal Features via Partial Invariance	Choraria, Moulik*; Ferwana, Ibtihal; Mani, Ankur; Varshney, Lav
10644 Learning Conflict-Noticed Architecture for Multi-Task Learning	Yue, Zhixiong*; Zhang, Yu; Liang, Jie
PEAI: Philosophy and Ethics of AI	Saturday, February 11, 11:15am-12:30pm

9745 Fairness in Contextual Resource Allocation Systems: Metrics and Incompatibility Results	Jo, Nathanael*; Tang, Bill; Aghaei, Sina; Vayanos, Phebe; Rice, Eric; Dullerud, Kathryn
9300 Correct for Whom? Subjectivity and the Evaluation of Personalized Image Aesthetics Assessment Models	Goree, Samuel P*; Khoo, Weslie; Crandall, David
8982 Distributionally Robust Optimization with Probabilistic Group	Ghosal, Soumya Suvra*; Li, Yixuan
5140 Online Platforms and the Fair Exposure Problem Under Homophily	Schoeffer, Jakob*; Ritchie, Alexander; Naggita, Keziah; Monachou, Faidra; Finocchiaro, Jessica J; Juarez, Marc
SNLP: Information Extraction	
Saturday, February 11, 11:15am-12:30pm	
9565 Nested Named Entity Recognition as Building Local Hypergraphs	Yan, Yukun*; cai, bingling; Song, Sen
6026 Zero-Shot Cross-Lingual Event Argument Extraction with Language-Oriented Prefix-Tuning	Cao, Pengfei*; Jin, Zhuoran; Chen, Yubo; Liu, Kang; Zhao, Jun
10157 Sequence Generation with Label Augmentation for Relation Extraction	Li, Bo*; Yu, Dingyao; Ye, Wei; Zhang, Jinglei; Zhang, Shikun
6505 Universal Information Extraction as Unified Semantic Matching	Lou, Jie; Lu, Yaojie*; Dai, Dai; Jia, Wei; Lin, Hongyu; Han, Xianpei; Sun, Le; Wu, Hua
SNLP: Question Answering / Generation	
Saturday, February 11, 11:15am-12:30pm	
9740 Situated Conversation Agent Pretrained with Multimodal Questions from Incremental Layout Graph	Long, Yuxing*; Hui, Binyuan; ye, fulong; Li, Yanyang; Han, Zhuoxin; Yuan, Caixia; Li, Yongbin; Wang, Xiaojie
3602 Detecting and Grounding Important Characters in Visual Stories	Liu, Danyang*; Keller, Frank
997 MPMQA: Multimodal Question Answering on Product Manuals	Zhang, Liang*; Hu, Anwen; Zhang, Jing; HU, SHUO; Jin, Qin
5935 SlideVQA: A Dataset for Document Visual Question Answering on Multiple Images	Tanaka, Ryota*; Nishida, Kyosuke; Nishida, Kosuke; Hasegawa, Taku; SAITO, Itsumi; Saito, Kuniko

AISI: Well-Being and Asistive Technologies	
Saturday, February 11, 11:15am-12:30pm	
6753 "Nothing Abnormal": Disambiguating Medical Reports via Contrastive Knowledge Infusion	He, Zexue*; Yan, An; Gentili, Amilcare; McAuley, Julian; Hsu, Chun-Nan
9257 Med-EASi: Finely Annotated Dataset and Models for Controllable Simplification of Medical Texts	Basu, Chandrayee*; Vasu, Rosni; Yasunaga, Michihiro; Yang, Qian
9464 Everyone's Voice Matters: Quantifying Annotation Disagreement Using Demographic Information	Wan, Ruyuan*; Kim, Jaehyung; Kang, Dongyeop
10527 Help Me Heal: A Reinforced Polite and Empathetic Mental Health and Legal Counseling Dialogue System for Crime Victims	Mishra, Kshitij Mr.*; Priya, Priyanshu; Ekbal, Asif

SRAI: Anomaly Detection in Robust AI	
Saturday, February 11, 11:15am-12:30pm	
2539 A Holistic Approach to Undesired Content Detection in the Real World	Markov, Todor; Zhang, Chong; Agarwal, Sandhini; Eloundou Nekoul, Florentine; Lee, Theodore; Adler, Steven; Jiang, Angela; Weng, Lillian*
2724 Out-of-Distribution Detection Is Not All You Need	Guerin, Joris*; Delmas, Kevin; Ferreira, Raul Sena; Guiochet, Jérémie
10099 Attention-Conditioned Augmentations for Self-Supervised Anomaly Detection and Localization	Bozorgtabar, Behzad*; Mahapatra, Dwarikanath
10195 Misspecification in Inverse Reinforcement Learning	Skalse, Joar*; Abate, Alessandro

2:00-3:00pm - EAAI	
AAAI/EAAI Patrick Henry Winston Outstanding Educator Award	Ayanna Howard (The Ohio State University)

2:00-3:15pm - AAAI	
AI: Applications	
Saturday, February 11, 2:00-3:15pm	
8589 Constrained Submodular Optimization for Vaccine Design	Dai, Zheng*; Gifford, David

6181 Show Me the Way! Hierarchical Search for Synthesizing Programmatic Strategies	Aleixo, David S; Lelis, Levi H. S. *
9362 Rolling Horizon based Temporal Decomposition for the Offline Pickup and Delivery Problem with Time Windows	Kim, Youngseo*; Edirimanna, Danushka; Wilbur, Michael; Pugliese, Philip; Laszka, Aron; Dubey, Abhishek; Samaranayake, Samitha
9259 GRASMOS: Graph Signage Model Selection for Gene Regulatory Networks	Brilliantova, Angelina*; Miller, Hannah; Bezakova, Ivona
ML: Applications	Saturday, February 11, 2:00-3:15pm
8334 A Domain-Knowledge-Inspired Music Embedding Space and a Novel Attention Mechanism for Symbolic Music Modeling	Guo, Zixun*; Kang, Jaeyong; Herremans, Dorien
6920 MSDC: Exploiting Multi-State Power Consumption in Non-intrusive load monitoring based on A Dual-CNN Model	He, Jialing*; Liu, Jiamou; Zhang, Zijian; Chen, Yang; Liu, Yiwei; Khoussainov, Bakh; Zhu, Liehuang
4893 KerPrint: Local-Global Knowledge Graph Enhanced Diagnosis Prediction for Retrospective and Prospective Interpretations	Yang, Kai*; Xu, Yongxin; Zou, PeiNie; Ding, Hongxin; Zhao, Junfeng; Wang, Yasha; Xie, Bing
6765 HG-SL: Jointly Learning of Global and Local User Spreading Behavior for Fake News Early Detection	Sun, Ling*; Rao, Yuan; Lan, Yuqian; xia, bingcan; Li, Yangyang
CV: Low Level & Physics-Based Vision	Saturday, February 11, 2:00-3:15pm
10255 From Coarse to Fine: Hierarchical Pixel Integration for Lightweight Image Super-Resolution	Liu, Jie*; Chen, Chao; Tang, Jie; Wu, Gangshan
5342 Underwater Ranker: Learn Which Is Better and How to Be Better	Guo, Chun-Le; Wu, Ruiqi*; Jin, Xin; Han, Ling-Hao; Zhang, Weidong; Chai, Zhi; Li, Chongyi
4146 Spatiotemporal Deformation Perception for Fisheye Video Rectification	Yang, Shangrong; Lin, Chunyu*; Liao, Kang; Zhao, Yao
1423 Learning Single Image Defocus Deblurring with Misaligned Training Pairs	Li, Yu; Ren, Dongwei*; Shu, Xinya; Zuo, Wangmeng
CV: Language and Vision	Saturday, February 11, 2:00-3:15pm
9348 DocEdit: Language-guided Document Editing	Mathur, Puneet*; Jain, Rajiv; Gu, Jiuxiang; Dernoncourt, Franck; Manocha, Dinesh; Morariu, Vlad I
9345 Reject Decoding via Language-Vision Models for Text-to-Image Synthesis	Wu, Fuxiang ; Liu, Liu; Hao, Fusheng; He, Fengxiang; Wang, Lei; Cheng, Jun*
4235 VASR: Visual Analogies of Situation Recognition	Bitton, Yonatan*; Yosef, Ron; Strugo, Eliyahu; Shahaf, Dafna; Schwartz, Roy; Stanovsky, Gabriel
4778 Learning to Generate an Unbiased Scene Graph by Using Attribute-guided Predicate Features	wang, lei*; Yuan, Zejian; Chen, Badong
CV: Vision for Robotics & Autonomous Driving	Saturday, February 11, 2:00-3:15pm
5122 Towards Generalizable Active Object Tracking with Reconstructing Surroundings and Predicting Trajectory	Bi, Xiao; Zhong, Fangwei*; ZHANG, Yudi; Zhang, Wei; Wang, Yizhou
1270 LWSIS: LiDAR-guided Weakly Supervised Instance Segmentation for Autonomous Driving	Xiang, Li; Yin, Junbo; Shi, Botian; Li, Yikang; Yang, Ruigang; Shen, Jianbing*
2419 Multi-level Compositional Reasoning for Interactive Instruction Following	Bhambri, Suvaansh; Kim, Byeonghwi; Choi, Jonghyun*
2265 READ: Large-Scale Neural Scene Rendering for Autonomous Driving	Li, Zhuopeng; Li, Lu; Zhu, Jianke*
CV: Visual Reasoning & Symbolic Representations	Saturday, February 11, 2:00-3:15pm
1532 RLogist: Fast Observation Strategy on Whole-slide Images with Deep Reinforcement Learning	Zhao, Boxuan*; Zhang, Jun; Ye, Deheng; Cao, Jian; Han, Xiao; Fu, Qiang; Yang, Wei
3873 Self-supervised Learning for Multilevel Skeleton-based Forgery Detection via Temporal-Causal Consistency of Actions	Liu, Dora D; Hu, Liang*; Zhang, Qi; Naseem, Usman; Lai, Zhongyuan
7468 Counterfactual Dynamics Forecasting - A New Setting of Quantitative Reasoning	Liu, Yanzhu*; Sun, Ying; Lim, Joo-Hwee
3263 Siamese-Discriminant Deep Reinforcement Learning for Solving Jigsaw Puzzles with Large Eroded Gaps	Song, Xingke; Jin, Jiahuan; Yao, Chenglin; Wang, Shihe; Ren, Jianfeng *; BAI, RUIBIN
GTEP: Fair Division / MAS: Coordination and Collaboration	Saturday, February 11, 2:00-3:15pm
7719 Finding Fair Allocations under Budget Constraints	Barman, Siddharth*; Khan, Arindam; Shyam, Sudarshan; Karnati, Venkata Naga Sreenivasulu

1003 Fairness Concepts for Indivisible Items with Externalities	Aziz, Haris; Suksompong, Warut; Sun, Zhaohong*; Walsh, Toby
1848 Robust Multi-agent Coordination via Evolutionary Generation of Auxiliary Adversarial Attackers	Yuan, Lei*; Zhang, Ziqian; Xue, Ke; Yin, Hao; Chen, Feng; Guan, Cong; Li, Lihe; Qian, Chao; Yu, Yang
2253 Learning From Good Trajectories in Offline Multi-Agent Reinforcement Learning	Tian, Qi*; Kuang, Kun; Liu, Furui; Wang, Baoxiang
ML: Reinforcement Learning Algorithms	Saturday, February 11, 2:00-3:15pm
10909 Goal-Conditioned Generators of Deep Policies	Faccio, Francesco; Herrmann, Vincent*; Ramesh, Aditya; Kirsch, Louis; Schmidhuber, Jürgen
10846 Model-Based Reinforcement Learning with Multinomial Logistic Function Approximation	Hwang, Taehyun; Oh, Min-hwan*
9974 Learning to Shape Rewards using a Game of Two Partners	Mguni, David H*; Jafferjee, Taher; Wang, Jianhong; Perez-Nieves, Nicolas; Song, Wenbin; Tong, Feifei; Taylor, Matthew E.; Yang, Tianpei; Dai, Zipeng; Chen, Hui; Zhu, Jiangcheng; Shao, Kun; Wang, Jun; Yang, Yaodong
10798 Subspace-Aware Exploration for Sparse-Reward Multi-Agent Tasks	xu, pei*; Zhang, Junge; Yin, Qiyue; Yu, Chao; Yang, Yaodong; HUANG, KAIQI
RU: Reasoning Under Uncertainty / ML: Optimization	Saturday, February 11, 2:00-3:15pm
10267 Multi-level Wavelet Mapping Correlation for Statistical Dependence Measurement: Methodology and Performance	Ren, Yixin; Zhang, Hao; Xia, Yewei; Guan, Jihong; Zhou, Shuigeng*
5089 On Solution Functions of Optimization: Universal Approximation and Covering Number Bounds	Jin, Ming; Khattar, Vanshaj*; Sel, Bilgehan; Kaushik, Harshal D; Jia, Ruoxi
5776 Maximizing the Probability of Fixation in the Positional Voter Model	Petsinis, Petros*; Pavlogiannis, Andreas; Karras, Panagiotis
2776 Improved Algorithm for Regret Ratio Minimization in Multi-Objective Submodular Maximization	Wang, Yanhao*; Zheng, Jiping; Meng, Fanxu
ML: Dimensionality Reduction/Feature Selection / Learning Theory	Saturday, February 11, 2:00-3:15pm
2059 Lifelong Variational Autoencoder via Online Adversarial Expansion Strategy	Ye, Fei*; Bors, Adrian
4313 DiFA: Differentiable Feature Acquisition	Ghosh, Aritra*; Lan, Andrew
4621 Stepdown SLOPE for Controlled Feature Selection	Liang, Jingxuan; Zhang, Xuelin; Chen, Hong*; Li, Weifu; tang, xin
4360 Provable Pathways: Learning Multiple Tasks over Multiple Paths	Li, Yingcong; Oymak, Samet*
ML: Multi-Instance/Multi-View Learning	Saturday, February 11, 2:00-3:15pm
9405 Progressive Deep Multi-view Comprehensive Representation Learning	Xu, Cai*; Zhao, Wei; Zhao, Jinglong; Guan, Ziyu ; Yang, Yaming; Chen, Long; song, xiangyu
9328 Incomplete Multi-View Multi-Label Learning via Label-Guided Masked View- and Category-Aware Transformers	liu, chengliang*; Wen, Jie; Luo, Xiaoling; Xu, Yong
7945 Long-tail Cross Modal Hashing	Gao, Zijun; Wang, Jun; Yu, Guoxian*; Yan, Zhongmin; Domeniconi, Carlotta; Zhang, Jinglin
57 DICNet: Deep Instance-Level Contrastive Network for Double Incomplete Multi-View Multi-Label Classification	liu, chengliang*; Wen, Jie; Luo, Xiaoling; Huang, Chao; Wu, Zhihao; Xu, Yong
ML: Online Learning & Bandits	Saturday, February 11, 2:00-3:15pm
10751 Optimistic Whittle Index Policy: Online Learning for Restless Bandits	Wang, Kai*; Xu, Lily; Taneja, Aparna; Tambe, Milind
10629 Double Doubly Robust Thompson Sampling for Generalized Linear Contextual Bandits	Kim, Wonyoung; Lee, Kyungbok; Paik, Myunghee Cho*
10887 Reward-Biased Maximum Likelihood Estimation for Neural Contextual Bandits: A Distributional Learning Perspective	Hung, Yu-Heng; Hsieh, Ping-Chun*
10815 AC-Band: A Combinatorial Bandit-Based Approach to Algorithm Configuration	Brandt, Jasmin*; Schede, Elias; Haddenhorst, Björn; Bengs, Viktor; Hüllermeier, Eyke; Tierney, Kevin
ML: Privacy-Aware ML / Multi-Label, Multi-Class Learning	Saturday, February 11, 2:00-3:15pm
4190 Knowledge Amalgamation for Multi-Label Classification via Label Dependency Transfer	Thadajarassiri, Jidapa*; Hartvigsen, Thomas; Gerych, Walter; Kong, Xiangnan; Rundensteiner, Elke A

5176 Safe Multi-View Deep Classification	Liu, Wei; Chen, Yufei*; Yue, Xiaodong; Zhang, Changqing; Xie, Shaorong
3313 Dropout is NOT All You Need to Prevent Gradient Leakage	Scheliga, Daniel*; Maeder, Patrick; Seeland, Marco
3257 Differentially Private Learning with Per-Sample Adaptive Clipping	Xia, Tianyu*; Shen, Shuheng; YAO, SU; Fu, Xinyi; Xu, Ke; Xu, Xiaolong; Fu, Xing
ML: Reinforcement Learning Algorithms	Saturday, February 11, 2:00-3:15pm
424 Weighted Policy Constraints for Offline Reinforcement Learning	Peng, Zhiyong*; Han, Changlin; liy, yadong; Zhou, Zongtan
1431 Off-Policy Proximal Policy Optimization	Meng, Wenjia*; Zheng, Qian Dr.; Pan, Gang; Yin, Yilong
7192 Achieving Zero Constraint Violation for Constrained Reinforcement Learning via Conservative Natural Policy Gradient Primal-Dual Algorithm	Bai, Qinbo; Singh Bedi, Amrit; Aggarwal, Vaneet*
7143 Global Convergence of Two-Timescale Actor-Critic for Solving Linear Quadratic Regulator	Chen, Xuyang*; Duan, Jingliang; Liang, Yingbin; Zhao, Lin
PRS: Deterministic Planning	Saturday, February 11, 2:00-3:15pm
7892 Was Fixing this Really That Hard? On the Complexity of Correcting HTN Domains	Lin, Songtuan*; Bercher, Pascal
7529 Towards Automated Modeling Assistance: An Efficient Approach for Repairing Flawed Planning Domains	Lin, Songtuan*; Grastien, Alban; Bercher, Pascal
9800 On Total-Order HTN Plan Verification with Method Preconditions -- An Extension of the CYK Parsing Algorithm	Lin, Songtuan*; Behnke, Gregor; Ondrčková, Simona; Barták, Roman; Bercher, Pascal
5683 Zero-Knowledge Proofs for Classical Planning Problems	Corrêa, Augusto B.*; Büchner, Clemens; Christen, Remo
SNLP: Generation / Conversational AI/Dialogue Systems	Saturday, February 11, 2:00-3:15pm
10185 End-to-End Deep Reinforcement learning for Conversation Disentanglement	Bhukar, Karan*; Raghu, Dinesh; Kumar, Harshit; Gupta, Ajay
8709 A Vector Quantized Approach for Text to Speech Synthesis on Real-World Spontaneous Speech	Chen, Li-Wei*; Rudnicky, Alexander I.; Watanabe, Shinji
6729 MIGA: A Unified Multi-task Generation Framework for Conversational Text-to-SQL	Fu, Yingwen*; Ou, Wenjie; YU, Zhou; Lin, Yue
6384 A Neural Span-Based Continual Named Entity Recognition Model	Zhang, Yunan*; Chen, Qingcai
CSO: Constraint Satisfaction, Search, and Optimization	Saturday, February 11, 2:00-3:15pm
8850 DASH: A Distributed and Parallelizable Algorithm for Size-Constrained Submodular Maximization	Dey, Tonmoy*; Chen, Yixin; Kuhnle, Alan D
8255 Runtime Analysis for the NSGA-II: Provable Speed-Ups From Crossover	Doerr, Benjamin*; Qu, Zhongdi
642 A Formal Metareasoning Model of Concurrent Planning and Execution	Elboher, Amihay Moshe; Bensoussan, Ava; Karpas, Erez; Ruml, Wheeler; Shperberg, Shahaf S*; Shimony, Eyal S
774 Warm-Starting Nested Rollout Policy Adaptation with Optimal Stopping	Dang, Chen; Bazgan, Cristina; Cazenave, Tristan*; Chopin, Morgan; Wullemmin, Pierre-Henri
SRAI: Safe AI Against Attacks	Saturday, February 11, 2:00-3:15pm
2807 Defending from Physically-Realizable Adversarial Attacks through Internal Over-Activation Analysis	Rossolini, Giulio*; Nesti, Federico; Brau, Fabio; Biondi, Alessandro; Buttazzo, Giorgio C
3451 Code Attack: Code-based Adversarial Attacks for Pre-Trained Programming Language Models	Jha, Akshita*; Reddy, Chandan K
7700 Similarity Distribution based Membership Inference Attack on Person Re-identification	Gao, Junyao; Jiang, Xinyang; Zhang, Huishuai; Yang, Yifan; Dou, Shuguang; Li, Dongsheng; miao, duoqian; Deng, Cheng; zhao , cairong*
8516 Task and Model Agnostic Adversarial Attack on Graph Neural Networks	Sharma, Kartik*; Verma, Samidha; Medya, Sourav; Bhattacharya, Arnab; Ranu, Sayan
3:45-6:15pm - AAAI Invited Talk	
(Formal) Languages Help AI Agents Learn and Think	Sheila McIlraith (University of Toronto)
Beyond Fact Checking — Modelling Information Change in Scientific Communication	Isabelle Augenstein (University of Copenhagen)

Awards

Sunday, February 12, 2023

8:30-9:30am - AAAI Invited Talk

New Design Decisions for Modern AI Agents

Vincent Conitzer (Carnegie Mellon University)

9:30am-7:00pm - Diversity and Inclusion

4th AAAI Workshop on Artificial Intelligence - Diversity, Belonging, Equity, and Inclusion (AIDBEI)

William Hsu

9:30-10:45am - AAAI

CV: 3D Computer Vision

Sunday, February 12, 9:30-10:45am

8793 Progressive Multi-view Human Mesh Recovery with Self-Supervision

Gong, Xuan*; Song, Liangchen; Zheng, Meng; Planche, Benjamin; Chen, Terrence; Yuan, Junsong; Doermann, David; Wu, Ziyang

199 Revisiting Unsupervised Local Descriptor Learning

Wang, Wufan; Zhang, Lei; Huang, Hua*

3625 ECO-3D: Equivariant Contrastive Learning for Pre-training on Perturbed 3D Point Cloud

Wang, Ruibin*; Ying, Xianghua; Xing, Bowei; Yang, Jinfa

5635 TopicFM: Robust and Interpretable Topic-Assisted Feature Matching

Truong Giang, Khang*; Song, Soohwan; Jo, Sungho

CV: Computational Photography, Image & Video Synthesis

Sunday, February 12, 9:30-10:45am

2210 Find Beauty in the Rare: Contrastive Composition Feature Clustering for Nontrivial Cropping Box Regression

Pan, Zhiyu; Chen, Yinpeng; Zhang, Jiale; Lu, Hao; Cao, Zhiguo*; Zhong, Weicai

966 DENet: Disentangled Embedding Network for Visible Watermark Removal

Sun, RuiZhou*; Su, Yukun; Wu, Qingyao

2127 CFFT-GAN: Cross-domain Feature Fusion Transformer for Exemplar-based Image Translation

Ma, Tianxiang*; Li, Bingchuan; Liu, Wei; Hua, Miao; Dong, Jing; Tan, Tieniu

3147 Stroke Extraction of Chinese Character Based on Deep Structure Deformable Image Registration

Li, Meng; Yu, Yahan; Yang, Yi; REN, GUANGHAO; Wang, Jian*

CV: Language and Vision

Sunday, February 12, 9:30-10:45am

2319 BEST: BERT Pre-Training for Sign Language Recognition with Coupling Tokenization

Zhao, Weichao*; Hu, Hezhen; Zhou, Wengang; Shi, Jiaxin; Li, Houqiang

1031 Semantics-Aware Dynamic Localization and Refinement for Referring Image Segmentation

Yang, Zhao*; Wang, Jiaqi; Tang, Yansong; Chen, Kai; Zhao, Hengshuang; Torr, Philip

4187 Linking People Across Text and Images Based on Social Relation Reasoning

Lei, Yang*; Zhao, Peizhi; Li, Pijian; Cai, Yi; Huang, Qingbao

1345 Efficient Image Captioning for Edge Devices

Wang, Ning*; Xie, Jiangrong; LUO, HANG; Cheng, Qinglin; Wu, Ji-Hao; Jia, Mingbo; Li, Linlin

CV: Image and Video Retrieval

Sunday, February 12, 9:30-10:45am

463 TransVCL: Attention-enhanced Video Copy Localization Network with Flexible Supervision

He, Sifeng*; He, Yue; Lu, Minlong; Jiang, Chen; Yang, Xudong; Qian, Feng; Zhang, Xiaobo; Yang, Lei; Zhang, Jiandong

6281 Tagging before Alignment: Integrating Multi-Modal Tags for Video-Text Retrieval

Chen, Yizhen*; Wang, Jie; Lin, Lijian; Qi, Zhongang; Ma, Jin; Shan, Ying

753 MRCN: A Novel Modality Restitution and Compensation Network for Visible-Infrared Person Re-Identification

yukang, zhang; Yan, Yan; Li, Jie; Wang, Hanzhi*

891 DesNet: Decomposed Scale-Consistent Network for Unsupervised Depth Completion

Yan, Zhiqiang*; Wang, Kun; Li, Xiang; Zhang, Zhenyu; Li, Jun; Yang, Jian

DMKM: Data Stream, Graph & Knowledge Graph Mining

Sunday, February 12, 9:30-10:45am

8631 Fully-Dynamic Decision Trees

Bressan, Marco; Damay, Gabriel; Sozio, Mauro*

8224 Parameterized Algorithms for Colored Clustering

Kellerhals, Leon; Koana, Tomohiro; Kunz, Pascal*; Niedermeier, Rolf

8595 Rule Induction in Knowledge Graphs Using Linear Programming

Dash, Sanjeeb*; Goncalves, Joao

8011 The Parameterized Complexity of Network Microaggregation

Blažej, Václav; Galian, Robert; Knop, Dušan*; Pokorný, Jan; Schierreich, Šimon; Simonov, Kirill

DMKM: Applications / KRR: Knowledge Representation and Reasoning	Sunday, February 12, 9:30-10:45am
2785 Soft Target-enhanced Matching Framework for Deep Entity Matching	Dou, Wenzhou; Shen, Derong*; Zhou, Xiangmin; Nie, Tiezheng; Kou, Yue; Cui, Hang; Yu, Ge
3171 Learning by Applying: A General Framework for Mathematical Reasoning via Enhancing Explicit Knowledge Learning	Liu, Jiayu*; Huang, Zhenya; Zhai, ChengXiang ; Liu, Qi
6340 IterDE: An Iterative Knowledge Distillation Framework for Knowledge Graph Embeddings	Liu, Jiajun*; Wang, Peng; Shang, Ziyu; Wu, Chenxiao
8330 PaTeCon: A Pattern-Based Temporal Constraint Mining Method for Conflict Detection on Knowledge Graphs	Chen, Jianhao; Ren, Junyang; Ding, Wentao; Qu, Yuzhong*
GTEP: Social Choice / Voting	Sunday, February 12, 9:30-10:45am
6975 Multiwinner Voting with Possibly Unavailable Candidates	Brill, Markus; Dindar, Hayrullah; Israel, Jonas; Lang, Jérôme; Peters, Jannik*; Schmidt-Kraepelin, Ulrike
2878 Ballot Length in Instant Runoff Voting	Tomlinson, Kiran*; Ugander, Johan; Kleinberg, Jon
1336 Proportional Decisions in Perpetual Voting	Lackner, Martin*; Maly, Jan
715 Approval-Based Voting with Mixed Goods	Lu, Xinhang; Peters, Jannik; Aziz, Haris; Bei, Xiaohui; Suksompong, Warut*
HAI: Human-Machine Teams / Human-in-the-Loop ML	Sunday, February 12, 9:30-10:45am
6160 Multi-Scale Control Signal-Aware Transformer for Motion Synthesis without Phase	Wang, Lintao; Hu, Kun*; Bai, Lei; Ding, Yu; Ouyang, Wanli; Wang, Zhiyong
10884 Learning to Select Pivotal Samples for Meta Re-weighting	Wu, Yinjun*; Stein, Adam; Gardner, Jacob; Naik, Mayur
9248 The Value of AI Guidance in Human Examination of Synthetically-Generated Faces	Boyd, Aidan*; Tinsley, Patrick; Bowyer, Kevin; Czajka, Adam
7620 Learning to Defer with Limited Expert Predictions	Hemmer, Patrick*; Thede, Lukas; Vössing, Michael; Jakubik, Johannes; Köhl, Niklas
KRR: Action, Change, and Causality	Sunday, February 12, 9:30-10:45am
9667 Automated Verification of Propositional Agent Abstraction for Classical Planning via CTLK Model Checking	Luo, Kailun*
5749 Model-Checking for Ability-Based Logics with Constrained Plans	Demri, Stéphane; Fervari, Raul*
9329 Untangled: A Complete Dynamic Topological Logic	Fernández-Duque, David; Montacute, Yoàv*
4382 Two Views of Constrained Differential Privacy: Belief Revision and Update	Liu, LiKang; Sun, Keke; Zhou, Chunlai*; Feng, Yuan
DMKM: Graph Mining, Social Network Analysis & Community Mining	Sunday, February 12, 9:30-10:45am
1401 Multi-View MOOC Quality Evaluation via Information-Aware Graph Representation Learning	Jiang, Lu*; Wang, Yibin; Wang, Jianan; Wang, Pengyang; Yin, Minghao
7988 Scalable Attributed-Graph Subspace Clustering	Fettal, Chakib*; Labiod, Lazhar; Nadif, Mohamed
2086 Cluster-guided Contrastive Graph Clustering Network	Yang, Xihong; Liu, Yue; Zhou, Sihang; Wang, Siwei; Tu, Wenxuan; Zheng, Qun; Liu, Xinwang*; Fang, Liming; Zhu, En
ML: Graph-based Machine Learning	Sunday, February 12, 9:30-10:45am
8200 Federated Learning on Non-IID Graphs via Structural Knowledge Sharing	Tan, Yue*; Liu, Yixin; Long, Guodong; Jiang, Jing; Lu, Qinghua; Zhang, Chengqi
2325 Random Walk Conformer: Learning Graph Representation from Long and Short Range	Yeh, Pei-Kai*; Chen, Hsi-Wen; Chen, Ming-Syan
4489 Context-aware Safe Medication Recommendations with Molecular Graph and DDI Graph Embedding	Chen, Qianyu; Li, Xin*; Geng, Kunnan; Wang, Mingzhong
4930 Extracting Low-/High- Frequency Knowledge from Graph Neural Networks and Injecting it into MLPs: An Effective GNN-to-MLP Distillation Framework	Wu, Lirong*; Lin, Haitao; Huang, Yufei; Fan, Tianyu; Li, Stan Z.
9021 Topological Pooling on Graphs	Chen, Yuzhou*; Gel, Yulia R.
ML: Reinforcement Learning Theory / Online Learning & Bandits	Sunday, February 12, 9:30-10:45am
9887 Improved Kernel Alignment Regret Bound for Online Kernel Learning	Li, Junfan; Liao, Shizhong*

2904 Decentralized Stochastic Multi-Player Multi-Armed Walking Bandits	Xiong, Guojun; Li, Jian*
8036 Posterior Coreset Construction with Kernelized Stein Discrepancy for Model-Based Reinforcement Learning	Chakraborty, Souradip*; Bedi, Amrit Singh ; Tokekar, Pratap; Koppel, Alec ; Sadler, Brian M; Huang, Furong; Manocha, Dinesh
8787 Computationally Continuous Reinforcement Learning Objectives are PAC-learnable	Yang, Cambridge*; Littman, Michael L.; Carbin, Michael
ML: Representation Learning	Sunday, February 12, 9:30-10:45am
9823 Contrastive Open Set Recognition	Xu, Baile; Shen, Furao*; Zhao, Jian
1583 Isometric Manifold Learning using Hierarchical Flow	Pan, Ziqi*; Zhang, Jianfu; Niu, Li; Zhang, Liqing
9151 Learning Compact Features via In-Training Representation Alignment	Li, Xin; Li, Xiangrui; Pan, Deng; Qiang, Yao; Zhu, Dongxiao*
7858 Certifiable Out-of-Distribution Generalization	Ye, Nanyang*; Zhu, Lin; Wang, Jia; Zeng, Zhaoyu; Shao, Jiayao; Peng, Chensheng; Pan, Bikang; Li, Kaican; Zhu, Jun
CV: Computer Vision / ML: Transfer, Domain Adaptation, Multi-View Learning	Sunday, February 12, 9:30-10:45am
790 Multi-classifier Adversarial Optimization for \rightarrow Active Learning	Geng, Lin; Liu, Ningzhong*; Qin, Jie
1887 Correspondence-Free Domain Alignment for Unsupervised Cross-Domain Image Retrieval	Wang, Xu*; Peng, Dezhong; Yan, Ming; Hu, Peng
1256 Multi-View Domain Adaptive Object Detection on Camera Networks	Lu, Yan*; Zhong, Zhun; Shu, Yuanchao
4175 Decorate the Newcomers: Visual Domain Prompt for Continual Test Time Adaptation	gan, yulu*; BAI, YAN; lou, yihang; ma, xianzheng; Zhang, Renrui; Shi, Nian; Luo, Lin
SNLP: Interpretability & Analysis of NLP Models	Sunday, February 12, 9:30-10:45am
10620 On the Effectiveness of Parameter-Efficient Fine-Tuning	Fu, Zihao*; Wang, Haoran; So, Anthony Man-Cho; Lam, Wai; Bing, Lidong; Collier, Nigel
2399 SEAT: Stable and Explainable Attention	Hu, Lijie*; Liu, Yixin; Liu, Ninghao; Huai, Mengdi; Sun, Lichao; Wang, Di
9097 AUC Maximization for Low-Resource Named Entity Recognition	Nguyen, Ngoc Dang*; Tan, Wei; Du, Lan; Buntine, Wray; Beare, Richard; Chen, Changyou
10614 Prototypical Fine-tuning: Towards Robust Performance Under Varying Data Sizes	Jin, Yiqiao*; Wang, Xiting; Hao, Yaru; Sun, Yizhou; Xie, Xing
SNLP: Speech and Multimodality	Sunday, February 12, 9:30-10:45am
7566 IndicSUPERB: A Speech processing Universal Performance Benchmark for Indian languages	Javed, Tahir*; Bhogale, Kaushal; Raman, Abhigyan; Kumar, Pratyush; Kunchukuttan, Anoop; Khapra, Mitesh M.
9712 UniSyn: An end-to-end unified model for text-to-speech and singing voice synthesis	Lei, Yi*; Yang, Shan; Wang, Xinsheng; Xie, Qicong; Yao, Jixun; Xie, Lei; Su, Dan
9201 Avocado: Generative Adversarial Network for Artifact-free Vocoder	Bak, Taejun; Lee, Junmo*; Bae, Hanbin; Yang, Jinhyeok; Bae, Jae-Sung; Joo, Young-Sun
6557 RWEN-TTS: Relation-aware Word Encoding Network for Natural Text-to-Speech Synthesis	Oh, Shinhyeok*; Noh, HyeongRae; Hong, Yoonseok; Oh, Insoo
SRAI: Robust Against Distribution Shift	Sunday, February 12, 9:30-10:45am
2679 Revisiting the Importance of Amplifying Bias for Debiasing	Lee, Jungsoo*; Park, Jeonghoon; Kim, Daeyoung; Lee, Juyoung; Choi, Edward; Choo, Jaegul
4402 Video-Audio Domain Generalization via Confounder Disentanglement	Zhang, Shengyu*; feng, xusheng; Fan, Wenyan; Fang, Wenjing; Feng, Fuli; Ji, Wei; Shuo, Li; Wang, Li; Zhao, Shanshan; Zhao, Zhou; Chua, Tat-Seng; Wu, Fei
5780 Robust Sequence Networked Submodular Maximization	Shi, Qihao*; Fu, Bingyang; Wang, Can; Chen, Jiawei; Zhou, Sheng; Feng, Yan; Chen, Chun
9072 Robust Average-Reward Markov Decision Processes	Wang, Yue; Velasquez, Alvaro; Atia, George; Prater-Bennette, Ashley; Zou, Shaofeng*
11:15am-12:30pm - AAI	
CV: Adversarial Attacks & Robustness / Interpretability and Transparency	Sunday, February 12, 11:15am-12:30pm

9435 PointCA: Evaluating the Robustness of 3D Point Cloud Completion Models against Adversarial Examples	Hu, Shengshan*; Zhang, Junwei; Liu, Wei; Hou, Junhui; Li, Minghui; ZHANG, LEO YU; Jin, Hai; Sun, Lichao
4615 Exploring Non-Target Knowledge for Improving Ensemble Universal Adversarial Attacks	Weng, Juanjuan; Luo, Zhiming*; Zhong, Zhun; Lin, Dazhen; Li, Shaozi
10119 GuidedMixup: An Efficient Mixup Strategy Guided by Saliency Maps	Kang, Minsoo; Kim, Suhyun*
6043 Less Is More Important: An Attention Module Guided by Probability Density Function for Convolutional Neural Networks	Xie, Jingfen; Zhang, Jian*
CV: Low Level & Physics-Based Vision	Sunday, February 12, 11:15am-12:30pm
5929 Video Compression Artifact Reduction by Fusing Motion Compensation and Global Context in a Swin-CNN based Parallel Architecture	Zhang, Xinjian; Yang, Su*; Luo, Wuyang; Gao, Longwen; Zhang, Weishan
1132 Self-Asymmetric Invertible Network for Compression-Aware Image Rescaling	Yang, Jinhai*; Guo, Mengxi China; Zhao, Shijie; Li, Junlin; Zhang, Li
7211 FSR: A General Frequency-oriented Framework to Accelerate Image Super-resolution Networks	Li, Jinmin*; Dai, Tao; Zhu, Mingyan; Chen, Bin; Wang, Zhi; Xia, Shu-Tao
3668 Ultra-High-Definition Low-Light Image Enhancement: A Benchmark and Transformer-Based Method	Wang, Tao; Zhang, Kaihao; Shen, Tianrun; Luo, Wenhan; Stenger, Bjorn; Lu, Tong*
CV: 3D Computer Vision	Sunday, February 12, 11:15am-12:30pm
1247 GLT-T: Global-Local Transformer Voting for 3D Single Object Tracking in Point Clouds	Nie, Jiahao*; He, Zhiwei; Yang, Yuxiang; Gao, Mingyu; Zhang, Jing
7675 ConvMatch: Rethinking Network Design for Two-View Correspondence Learning	Zhang, Shihua; Ma, Jiayi*
1436 Frame-Level Label Refinement for Skeleton-Based Weakly-Supervised Action Recognition	Yu, Qing*; Fujiwara, Kent
1136 DPTtext-DETR: Towards Better Scene Text Detection with Dynamic Points in Transformer	Ye, Maoyuan; Zhang, Jing; Zhao, Shanshan; Liu, Juhua*; Du, Bo; Tao, Dacheng
CV: Medical and Biological Imaging	Sunday, February 12, 11:15am-12:30pm
9413 MMTN: Multi-modal Memory Transformer Network for Image-Report Consistent Medical Report Generation	Cao, Yiming*; Cui, Lizhen; Zhang, Lei; Yu, Fuqiang; Li, Zhen; Xu, Yonghui
1922 Robust One-shot Segmentation of Brain Tissues via Image-aligned Style Transformation	Lv, Jinxin; Zeng, Xiaoyu; Wang, Sheng; Duan, Ran; Wang, Zhiwei*; Li, Qiang
6106 Weakly-Supervised Semantic Segmentation for Histopathology Images Based on Dataset Synthesis and Feature Consistency Constraint	Fang, Zijie; Chen, Yang; Wang, Yifeng; Wang, Zhi; Ji, Xiangyang; Zhang, Yongbing*
491 Exploit Domain-robust Optical Flow in Domain Adaptive Video Semantic Segmentation	Gao, Yuan; Wang, Zilei*; Zhuang, Jiafan; Zhang, Yixin; li, junjie
DMKM: Linked Open Data, Knowledge Graphs & KB Completion	Sunday, February 12, 11:15am-12:30pm
3810 Temporal Knowledge Graph Reasoning with Historical Contrastive Learning	Xu, Yi*; Ou, Junjie; Xu, Hui; Fu, Luoyi
7948 Entity-Agnostic Representation Learning for Parameter-Efficient Knowledge Graph Embedding	Chen, Mingyang*; Zhang, Wen; Yao, Zhen; Zhu, Yushan; Gao, Yang; Z. Pan, Jeff; Chen, Huajun
7055 Lifelong Embedding Learning and Transfer for Growing Knowledge Graphs	Cui, Yuanning*; Wang, Yuxin; Sun, Zequn; Liu, Wenqiang; Jiang, Yiqiao; Han, Kexin; Hu, Wei
5225 Heterogeneous Region Embedding with Prompt Learning	Zhou, Silin*; He, Dan; Chen, Lisi; Shang, Shuo; Han, Peng
GTEP: Mechanism Design	Sunday, February 12, 11:15am-12:30pm
3533 Approximations for Indivisible Concave Allocations with Applications to Nash Welfare Maximization	Kell, Nathaniel*; Sun, Kevin T
2824 Game Implementation: What are the Obstructions?	Chen, Jiehua; Layegh Khavidaki, Seyedeh Negar; Haydn, Sebastian Vincent; Simola, Sofia; Sorge, Manuel*
838 Utility Maximizer or Value Maximizer: Mechanism Design for Mixed Bidders in Online Advertising	Lv, Hongtao*; Zhang, Zhilin; Zheng, Zhenzhe; Liu, Jinghan; Yu, Chuan; LIU, Lei; Cui, Lizhen; Wu, Fan
4431 Optimal Pricing Schemes for Identical Items with Time-Sensitive Buyers	Liu, Zhengyang; Shan, Liang; Wang, Zihe*
ML: Deep Neural Network Algorithms	Sunday, February 12, 11:15am-12:30pm

9815 RLEKF: An Optimizer for Deep Potential with Ab Initio Accuracy	Hu, Siyu; Zhang, Wentao; Sha, Qiuchen; Pan, Feng; Wang, Lin-Wang ; Jia, Weile; Tan, Guangming; Zhao, Tong*
8831 Backpropagation-Free Deep Learning with Recursive Local Representation Alignment	Ororbia, Alexander*; Mali, Dr. Ankur A; Kifer, Dan; Giles, C. Lee
5556 Efficient Distribution Similarity Identification in Clustered Federated Learning via Principal Angles Between Client Data Subspaces	Vahidian, Saeed*; Morafah, Mahdi; Wang, Weijia; Kungurtsev, Vyacheslav; Chen, Chen; Shah, Mubarak; Lin, Bill
2634 Implicit Stochastic Gradient Descent for Training Physics-informed Neural Networks	Li, Ye*; Chen, Songcan; Huang, Sheng-Jun
ML: Applications / Deep Neural Network Algorithms	Sunday, February 12, 11:15am-12:30pm
10675 CowClip: Reducing CTR Prediction Model Training Time from 12 hours to 10 minutes on 1 GPU	Zheng, Zangwei*; Xu, Pengtai; Zou, Xuan; Tang, Da; Li, Zhen; Xi, Chenguang; Wu, Peng; Zou, Leqi; Zhu, Yijie; Chen, Ming; Ding, Xiangzhuo; Xue, Fuzhao; Qin, Ziheng; Cheng, Youlong; You, Yang
10853 A Fair Generative Model Using LeCam Divergence	Um, Soobin*; Suh, Changho
10893 Continual Variational Autoencoder via Continual Generative Knowledge Distillation	Ye, Fei*; Bors, Adrian
10838 Meta-sketch: A Neural Data Structure for Estimating Item Frequencies of Data Streams	Cao, Yukun*; Feng, Yuan; Xie, Xike
ML: Applications	Sunday, February 12, 11:15am-12:30pm
3123 Direct Heterogeneous Causal Learning for Resource Allocation Problems in Marketing	Zhou, Hao*; Li, Shaoming; Jiang, Guibin; Zheng, Jiaqi; Wang, Dong
7276 Crowd-level Abnormal Behavior Detection via Multi-scale Motion Consistency Learning	Luo, Linbo*; Li, Yuanjing; Yin, Haiyan; Xie, Shangwei; Hu, Ruimin; Cai, Wentong
10660 SplitNet: A Reinforcement Learning based Sequence Splitting Method for the MinMax Multiple Travelling Salesman Problem	liang, hebin*; Ma, Yi; Cao, Zilin; Liu, Tianyang; Ni, Fei; Li, Zhigang; Hao, Jianye
2401 AutoGraph: Optimizing DNN Computation Graph for Parallel GPU Kernel Execution	Zhao, Yuxuan; SUN, QI; He, Zhuolun; Bai, Yang; Yu, Bei*
ML: Clustering	Sunday, February 12, 11:15am-12:30pm
8277 Dual Label-Guided Graph Refinement for Multi-View Graph Clustering	Ling, Yawen*; Chen, Jianpeng; Ren, Yazhou; Pu, Xiaorong; Xu, Jie; Zhu, Xiaofeng; He, Lifang
7181 Self-Supervised Graph Attention Networks for Deep Weighted Multi-View Clustering	Huang, Zongmo*; Ren, Yazhou; Pu, Xiaorong; Huang, Shudong; Xu, Zenglin; He, Lifang
1079 Let the data choose: Flexible and Diverse Anchor Graph Fusion for Scalable Multi-view Clustering	Zhang, Pei; Wang, Siwei; Li, Liang; Zhang, Changwang; Liu, Xinwang*; Zhu, En; Liu, Zhe; Zhou, Lu; Luo, Lei
2153 Enhanced Tensor Low-Rank and Sparse Representation Recovery for Incomplete Multi-View Clustering	Zhang, Chao; Li, Huaxiong*; Lv, Wei; Huang, Zizheng; Gao, Yang; Chen, Chunlin
ML: Multimodal Learning	Sunday, February 12, 11:15am-12:30pm
7835 TOTO: Topology-Aware Optimal Transport For Multimodal Hate Detection	Zhang, Linhao*; jin, li; Sun, Xian; Xu, Guangluan; zhang, zequn; Li, Xiaoyu; Liu, Nayu; Liu, Qing; Yan, Shiyao
9486 Locate Then Generate: Bridging Vision and Language with Bounding Box for Scene-Text VQA	Zhu, Yongxin*; Liu, Zhen; Liang, Yukang; Li, Xin; Liu, Hao; Bao, Changcun; Xu, Linli
10326 What do you MEME? Generating Explanations for Visual Semantic Role Labelling in Memes	Sharma, Shivam*; Agarwal, Siddhant; Suresh, Tharun; Nakov, Preslav Ivanov; Md., Shad; Chakraborty, Tanmoy
9504 MNER-QG: An End-to-End MRC Framework for Multimodal Named Entity Recognition with Query Grounding	Jia, Meihuizi*; Shen, Lei; Shen, Xin; Liao, Lejian; Chen, Meng; He, Xiaodong; Chen, Zhendong; Li, Jiaqi
ML: Optimization / Matrix & Tensor Methods	Sunday, February 12, 11:15am-12:30pm
8025 Corruption-tolerant Algorithms for Generalized Linear Models	Mukhoty, Bhaskar P; Dey, Debojyoti*; Kar, Purushottam
372 Semidefinite Programming Versus Burer-Monteiro Factorization for Matrix Sensing	Yalçın, Baturalp*; Ma, Ziye; Lavaei, Javad; Sojoudi, Somayeh
6942 Coordinate Descent Methods for DC Minimization: Optimality Conditions and Global Convergence	Yuan, Ganzhao*
8958 Linear Regularizers Enforce the Strict Saddle Property	Ubl, Matthew B*; Hale, Matthew; Yazdani, Kasra
ML: Reinforcement Learning Algorithms	Sunday, February 12, 11:15am-12:30pm

6188 Offline Imitation Learning with Suboptimal Demonstrations via Relaxed Distribution Matching	Yu, Lantao*; Yu, Tianhe; Song, Jiaming; Neiswanger, Willie; Ermon, Stefano
8823 Meta-Reinforcement Learning Based on Self-Supervised Task Representation Learning	Wang, Mingyang*; Bing, Zhenshan; Yao, Xiangtong; Wang, Shuai; Huang, Kai; Su, Hang ; Yang, Chenguang; Knoll, Alois C.
7280 Open-Ended Diverse Solution Discovery with Regulated Behavior Patterns for Cross-Domain Adaptation	Xu, Kang; Ma, Yan; Li, Wei*; Wei, Bingsheng
6955 Soft Action Priors: Towards Robust Policy Transfer	Centa, Matheus M*; Preux, Philippe
ROB: Motion and Path Planning / Learning & Optimization for ROB	Sunday, February 12, 11:15am-12:30pm
3231 Dream to Generalize: Zero-Shot Model-Based Reinforcement Learning for Unseen Visual Distractions	Ha, Jeongsoo; Kim, Kyungsoo; Kim, Yusung*
580 A Set of Control Points Conditioned Pedestrian Trajectory Prediction	Bae, Inhwan*; Jeon, Hae-Gon
1321 Periodic Multi-Agent Path Planning	Kasaura, Kazumi*; Yonetani, Ryo; Nishimura, Mai
3699 Improving Robotic Tactile Localization Super-Resolution via spatiotemporal Continuity Learning and Overlapping Air Chambers	Li, Xuyang; Zhang, Yipu; Xie, Xuemei*; Li, JiaWei; Shi, Guangming
RU: Causality / Relational Probabilistic Models	Sunday, February 12, 11:15am-12:30pm
7760 Efficient Enumeration of Markov Equivalent DAGs	Wienöbst, Marcel*; Luttermann, Malte; Bannach, Max; Liskiewicz, Maciej
10222 Causal Effect Identification in Cluster DAGs	Anand, Tara V; Ribeiro, Adele H*; Tian, Jin; Bareinboim, Elias
10347 Learning Relational Causal Models with Cycles through Relational Acyclification	Ahsan, Ragib*; Arbour, David; Zheleva, Elena
1951 Lifted Inference with Linear Order Axiom	Tóth, Jan*; Kuželka, Ondřej
SNLP: Speech & Natural Language Processing / ML: Representation Learning, Reinforcement Learning	Sunday, February 12, 11:15am-12:30pm
3177 Taming Continuous Posteriors for Latent Variational Dialogue Policies	Vlastelica, Marin; Ernst, Patrick*; Szarvas, Gyuri
1175 Learning Compositional Tasks from Language Instructions	Logeswaran, Lajanugen*; Carvalho, Wilka; Lee, Honglak
4261 Quantum-inspired Representation for Long-tail Senses of Word Sense Disambiguation	Zhang, Junwei*; He, Ruifang; Guo, Fengyu
6054 Selector-Enhancer: Learning Dynamic Selection of Local and Non-local Attention Operation for Speech Enhancement	Xu, Xinmeng; Tu, Weiping*; Yang, Yuhong
SNLP: Interpretability & Analysis of NLP Models	Sunday, February 12, 11:15am-12:30pm
1816 Real or Fake Text?: Investigating Human Ability to Detect Boundaries Between Human-Written and Machine-Generated Text	Dugan, Liam P*; Ippolito, Daphne E; Kirubarajan, Arun; Shi, Sherry; Callison-Burch, Chris
6617 Unsupervised Explanation Generation via Correct Instantiations	Cheng, Sijie*; Wu, Zhiyong; Chen, Jiangjie; Li, Zhixing; Liu, Yang; Kong, Lingpeng
4700 Adjective Scale Probe: Can Language Models Encode Formal Semantics Information?	Liu, Wei; Xiang, Ming; Ding, Nai*
3756 Event Process Typing via Hierarchical Optimal Transport	zhou, bo*; Chen, Yubo; Liu, Kang; Zhao, Jun
AISI: Public Health and Well-being	Sunday, February 12, 11:15am-12:30pm
528 AirFormer: Predicting Nationwide Air Quality in China with Transformers	Liang, Yuxuan*; Xia, Yutong; Ke, Songyu; WANG, Yiwei; Wen, Qingsong; Zhang, Junbo; Zheng, Yu; Zimmermann, Roger
2038 Robust Planning over Restless Groups: Engagement Interventions for a Large-Scale Maternal Telehealth Program	Killian, Jackson; Biswas, Arpita; Xu, Lily*; Verma, Shresth; Nair, Vineet; Taneja, Aparna; Hegde, Aparna; Madhiwalla, Neha H; Rodriguez Diaz, Paula; Johnson-Yu, Sonja; Tambe, Milind
5554 A Fair Incentive Scheme for Community Health Workers	Bose, Avinandan; Li, Tracey; Sinha, Arunesh*; Mai, Tien
8943 Detecting Anomalous Networks of Opioid Prescribers and Dispensers in Prescription Drug Data	Rosman, Katie*; Neill, Daniel B
12:30-2:00pm - Diversity and Inclusion	
Women's Mentoring Lunch	

2:00-3:15pm - AAAI	
CSO: Constraint Satisfaction and Optimization	Sunday, February 12, 2:00-3:15pm
3448 Self-Supervised Primal-Dual Learning for Constrained Optimization	Park, Seonho*; Van Hentenryck, Pascal
9117 Reinforcement Learning for Branch-and-Bound Optimisation using Retrospective Trajectories	Parsonson, Christopher W. F. *; Laterre, Alexandre; Barrett, Thomas D
7661 On the complexity of PAC learning in Hilbert spaces	Chubanov, Sergei*
2425 A Faster Practical Approximation Scheme for the Permanent	Harviainen, Juha*; Koivisto, Mikko
CV: Low Level & Physics-Based Vision	Sunday, February 12, 2:00-3:15pm
4204 Spatial-Spectral Transformer for Hyperspectral Image Denoising	Li, Miaoyu; Fu, Ying*; Zhang, Yulun
3898 GAN Prior based Null-Space Learning for Consistent Super-Resolution	Wang, Yinhuai*; Hu, Yujie; Yu, Jiwen; Zhang, Jian
2000 Task-specific Scene Structure Representations	Shin, Seunghyun; Shin, Jisu*; Jeon, Hae-Gon
7724 Fourier-Net: Fast Image Registration with Band-limited Deformation	Jia, Xi*; Bartlett, Joseph J; Chen, Wei; Song, Siyang; Zhang, Tianyang; CHENG, XINXING; Lu, Wenqi; Qiu, Zhaowen; Duan, Jinming
CV: Object Detection & Categorization / Segmentation	Sunday, February 12, 2:00-3:15pm
3771 Class-Independent Regularization for Learning with Noisy Labels	Yi, Rumeng; Guan, Dayan; Huang, Yaping*; Lu, Shijian
330 Style-Content Metric Learning for Multidomain Remote Sensing Object Recognition	Zhao, Wenda*; Yang, Ruikai; Liu, Yu; He, You
2977 Super-efficient Echocardiography Video Segmentation via Proxy- and Kernel-Based Semi-supervised Learning	Wu, Huisi*; Lin, JingYin; Xie, Wende; Qin, Jing
2263 Learning to Learn Better for Video Object Segmentation	Lan, Meng; Zhang, Jing; Zhang, Lefei*; Tao, Dacheng
DMKM: Mining of Spatial, Temporal or Spatio-Temporal Data	Sunday, February 12, 2:00-3:15pm
2204 Easy Begun is Half Done: Spatial-Temporal Graph Modeling with ST-Curriculum Dropout	Wang, Hongjun; Chen, Jiyuan; Pan, Tong; Fan, Zipei*; Song, Xuan; Jiang, Renhe; Zhang, Lingyu; XIE, Yi; Wang, Zhongyi; Zhang, Boyuan
3793 Contrastive Pre-training with Adversarial Perturbations for Check-in Sequence Representation Learning	Gong, Letian*; Lin, Youfang; Guo, Shengnan; Lin, Yan; Wang, Tianyi; Zheng, Erwen; Zhou, Zeyu; Wan, Huaiyu
9313 PEN: Prediction-Explanation Network to Forecast Stock Price Movement with Better Explainability	Li, Shuqi; Liao, Weiheng; Chen, Yuhan; Yan, Rui*
7526 Overcoming Forgetting in Fine-Grained Urban Flow Inference via Adaptive Knowledge Replay	Yu, Haoyang; Xu, Xovee; Zhong, Ting; Zhou, Fan*
GTEP: Fair Division / Social Choice / Voting	Sunday, February 12, 2:00-3:15pm
6621 Fair Division with Prioritized Agents	Bu, Xiaolin; Li, Zihao; Liu, Shengxin*; Song, Jiaxin; Tao, Biaoshuai
6088 How to cut a discrete cake fairly	Igarashi, Ayumi*
1437 Proportionality in Approval-Based Participatory Budgeting	Brill, Markus; Forster, Stefan; Lackner, Martin; Maly, Jan; Peters, Jannik*
9628 Voting with Preference Intensities	Kahng, Anson; Latifian, Mohamad; Shah, Nisarg*
KRR: Logic Programming	Sunday, February 12, 2:00-3:15pm
8111 Inconsistent Cores for ASP: The Perks and Perils of Non-Monotonicity	Fichte, Johannes K; hecher, markus*; Szeider, Stefan
3366 Learning to Break Symmetries for Efficient Optimization in Answer Set Programming	Tarzariol, Alice*; Gebser, Martin; Schekotihin, Konstantin; Law, Mark
5791 Evaluating Epistemic Logic Programs via Answer Set Programming with Quantifiers	Faber, Wolfgang; Morak, Michael*
676 Splitting Answer Set Programs with respect to Intensionality Statements	Fandinno, Jorge*; Lierler, Yuliya
MAS: Multiagent Learning	Sunday, February 12, 2:00-3:15pm
9656 Reward Poisoning Attacks on Offline Multi-Agent Reinforcement Learning	Wu, Young*; McMahan, Jeremy; Zhu, Xiaojin; Xie, Qiaomin
7177 Interventional SHAP Values and Interaction Values for Piecewise Linear Regression Trees	Zern, Artjom*; Broelemann, Klaus; Kasneci, Gjergji

4563 HAVEN: Hierarchical Cooperative Multi-Agent Reinforcement Learning with Dual Coordination Mechanism	Xu, Zhiwei*; Bai, Yunpeng; Zhang, Bin; Li, DaPeng; Fan, Guoliang
4558 Consensus Learning for Cooperative Multi-Agent Reinforcement Learning	Xu, Zhiwei*; Zhang, Bin; Li, DaPeng; Zhang, Zeren; Zhou, Guangchong; Chen, Hao; Fan, Guoliang
ML: Bio-Inspired, Lifelong and Continual Learning	Sunday, February 12, 2:00-3:15pm
2544 Sustaining Fairness via Incremental Learning	Basu Roy Chowdhury, Somnath*; Chaturvedi, Snigdha
9323 Coupling Activations of Artificial Neurons in BERT and Biological Neurons in the Human Brain	Liu, Xu; zhou, meng yue; Gaosheng, Shi; Du, Yu; Zhao, Lin; Wu, Zihao; Liu, David; Liu, Tianming; Hu, Xintao*
4326 Effective Continual Learning for Text Classification with Lightweight Snapshots	WANG, Jue*; Dong, Dajie; Shou, Lidan; Chen, Ke; Chen, Gang
8238 Balanced Meta Learning and Diverse Sampling for Lifelong Task-oriented Dialogue Systems	Xu, Qiancheng*; Yang, Min; Xu, Ruifeng
ML: Clustering / Matrix & Tensor Methods	Sunday, February 12, 2:00-3:15pm
5527 Priori Anchor Labels Supervised Scalable Multi-view Bipartite Graph Clustering	You, Jiali; Ren, Zhenwen*; You, Xiaojian; Li, Haoran; Yao, Yuancheng
508 Auto-weighted Multi-view Clustering for Large-scale Data	Wan, Xinhang; Liu, Xinwang*; Liu, Jiyan; Wang, Siwei; Wen, Yi; Liang, Weixuan; Zhu, En; Liu, Zhe; Zhou, Lu
10404 Generalization Bounds for Inductive Matrix Completion in Low-noise Settings	Ledent, Antoine*; Alves, Rodrigo A S; Lei, Yunwen; Guermeur, Yann; Kloft, Marius
3734 Differentially Private Heatmaps	Ghazi, Badih; He, Junfeng; Kohlhoff, Kai; Kumar, Ravi; Manurangsi, Pasin*; Navalpakkam, Vidhya; Valliappan, Nachiappan
ML: Distributed Machine Learning & Federated Learning	Sunday, February 12, 2:00-3:15pm
4701 Poisoning with Cerberus: Stealthy and Colluded Backdoor Attack against Federated Learning	Lyu, Xiaoting; Han, Yufei; Wang, Wei*; Liu, Jingkai; Wang, Bin; Liu, Jiqiang; Zhang, Xiangliang
6301 Complement Sparsification: Low-Overhead Model Pruning for Federated Learning	Jiang, Xiaopeng*; Borcea, Cristian
391 FedALA: Adaptive Local Aggregation for Personalized Federated Learning	Zhang, Jianqing; Hua, Yang; Wang, Hao; Song, Tao; Xue, Zhengui; Ma, Ruhui*; Guan, Haibing
2237 Delving into the Adversarial Robustness of Federated Learning	Zhang, Jie; Li, Bo*; Chen, Chen; Lyu, Lingjuan; Wu, Shuang; Ding, Shouhong; Wu, Chao
ML: Reinforcement Learning Theory & Algorithms	Sunday, February 12, 2:00-3:15pm
7707 Online Reinforcement Learning with Uncertain Episode Lengths	Mandal, Debmalya*; Radanovic, Goran; Gan, Jiarui; Singla, Adish; Majumdar, Rupak
8774 Scaling Marginalized Importance Sampling to High-Dimensional State-Spaces via State Abstraction	Pavse, Brahma S*; Hanna, Josiah P
5747 Counterfactual Learning with General Data-generating Policies	Okumura, Kyohei*; Yata, Kohei; Shimizu, Akihiro; Narita, Yusuke
4415 Model-based Offline Reinforcement Learning with Local Misspecification	Brunskill, Emma*; Dong, Kefan; Nie, Allen; Flet-Berliac, Yannis
CV: Segmentation / ML: Transfer, Domain Adaptation, Multi-Task Learning	Sunday, February 12, 2:00-3:15pm
378 Combating Mode Collapse via Offline Manifold Entropy Estimation	Liu, Haozhe*; Li, Bing; Wu, Haoqian; Liang, Hanbang; Huang, Yawen; Li, Yuexiang; Ghanem, Bernard; Zheng, Yefeng
8443 POEM: Polarization of Embeddings for Domain-Invariant Representations	Jo, Sang-Yeong*; Yoon, Sung Whan
1738 Generalized Semantic Segmentation by Self-Supervised Source Domain Projection and Multi-Level Contrastive Learning	Yang, Liwei; Gu, Xiang; Sun, Jian*
1264 ILSGAN: Independent Layer Synthesis for Unsupervised Foreground-Background Segmentation	Zou, Qiran*; Yang, Yu; Cheung, Wing Yin; Liu, Chang; Ji, Xiangyang
PRS: Planning/Scheduling and Learning	Sunday, February 12, 2:00-3:15pm
2416 Robust Neuro-Symbolic Goal and Plan Recognition	Amado, Leonardo R*; Fraga Pereira, Ramon; Meneguzzi, Felipe
10783 Learning Rational Subgoals from Demonstrations and Instructions	Luo, Zhezhen*; Mao, Jiayuan; Wu, Jiajun; Lozano-Perez, Tomas; Tenenbaum, Joshua; Kaelbling, Leslie
8952 Planning for Learning Object Properties	Lamanna, Leonardo*; Serafini, Luciano; Faridghasemnia, Mohamadreza; Saffiotti, Alessandro; Saetti, Alessandro; Gerevini, Alfonso; Traverso, Paolo

10669 Learning Safe Numeric Action Models	Mordoch, Argaman; Juba, Brendan; Stern, Roni*
SNLP: Speech & Natural Language Processing / ML: Multi-Class/Multi-Label Learning & Extreme Classification	Sunday, February 12, 2:00-3:15pm
3363 Multi-label Few-shot ICD Coding as Autoregressive Generation with Prompt	Yang, zhichao*; Kwon, Sunjae; Yao, Zonghai; Yu, Hong
6239 A Simple yet Effective Subsequence-Enhanced Approach for Cross-Domain NER	Hu, Jinpeng*; Guo, Dandan; Liu, Yang; Li, Zhuo; Chen, Zhihong; Wan, Xiang; Chang, Tsung-Hui
8001 Cogito Ergo Summ: Abstractive Summarization of Biomedical Papers via Semantic Parsing Graphs and Consistency Rewards	Frisoni, Giacomo*; Italiani, Paolo; Moro, Gianluca; Salvatori, Stefano
10037 Hierarchical Text Classification As Sub-Hierarchy Sequence Generation	Im, SangHun*; Kim, GiBaeg; Oh, Heung-Seon; Jo, Seongung; Kim, Dong Hwan
SNLP: Conversational AI/Dialogue Systems / Applications	Sunday, February 12, 2:00-3:15pm
10153 Converge to the Truth: Factual Error Correction via Iterative Constrained Editing	Chen, Jiangjie*; Xu, Rui; Zeng, Wenxuan; Sun, Changzhi; Li, Lei; Xiao, Yanghua
5847 Learning to Select from Multiple Options	Du, Jiangshu*; Yin, Wenpeng; Xia, Congying; Yu, Philip S
9900 Towards Credible Human Evaluation of Open-Domain Dialog Systems Using Interactive Setup	Liu, Sijia*; Lange, Patrick; Hedayatnia, Behnam; Papangelis, Alexandros; Jin, Di; Wirth, Andrew; Liu, Yang; Hakkani-Tur, Dilek Z
4413 CP-Rec: Contextual Prompting for Conversational Recommender Systems	Chen, Keyu*; Sun, Shiliang
SNLP: Generation / Summarization	Sunday, February 12, 2:00-3:15pm
2484 Latent Constraints on Unsupervised Text-Graph Alignment with Information Asymmetry	Tian, Jidong*; Chen, Wenqing; Li, Yitian; Fan, Caoyun; He, Hao; Jin, Yaohui
7562 Unsupervised Paraphrasing under Syntax Knowledge	Liu, Tianyuan*; Sun, Yuqing; Wu, Jiaqi; xu, xi; Han, Yuchen; 李, 成; Gong, Bin
7009 Decoupling the Skeleton Parsing and Schema Linking for Text-to-SQL	Li, Haoyang*; Zhang, Jing; Li, Cuiping; Chen, Hong
5241 CoP: Factual Inconsistency Detection by Controlling the Preference	She, Shuaijie*; Geng, Xiang; Huang, Shujian; Chen, Jiajun
SNLP: Question Answering	Sunday, February 12, 2:00-3:15pm
10198 Which Shortcut Solution Do Question Answering Models Prefer to Learn?	Shinoda, Kazutoshi*; Sugawara, Saku; Aizawa, Akiko
10535 RINK: Reader-Inherited Evidence Reranker for Table-and-Text Open Domain Question Answering	Park, Eunhwan*; Lee, Sung-Min; Seo, Dearyong; Kim, Seonhoon; Kang, Inho; Na, Seung-Hoon
1943 RPA: Reasoning Path Augmentation in Iterative Retrieving for Multi-hop QA	Cao, Ziyi*; Liu, Bingquan; Li, Shaobo
5307 FiTs: Fine-grained Two-stage Training for Knowledge-aware Question Answering	YE, Qichen; Cao, Bowen; Chen, Nuo; Xu, Weiyuan; Zou, Yuexian*
SRAI: Safe and Robust AI Against Uncertainties	
Sunday, February 12, 2:00-3:15pm	
575 Improving Training and Inference of Face Recognition Models via Random Temperature Scaling	Shang, Lei; Huang, Mouxiao; Shi, Wu*; Liu, Yuchen; Liu, Yang; steven, wang; Sun, Baigui; Xie, Xuansong; Qiao, Yu
3496 PLMmark: A Secure and Robust Black-box Watermarking Framework for Pre-trained Language Models	Li, Peixuan*; Cheng, Pengzhou; Li, Fangqi; Du, Wei; Zhao, Haodong; Liu, Gongshen
4336 Heuristic Search in Dual Space for Constrained Fixed-Horizon POMDPs with Durative Actions	Khonji, Majid*; Khalifa, Duoaa
7464 Conflicting Interactions Among Protection Mechanisms for Machine Learning Models	Szyller, Sebastian*; Asokan, N.
3:45-5:00pm - AAI	
APP: Security	
Sunday, February 12, 3:45-5:00pm	
7920 On Manipulating Weight Predictions in Signed Weighted Networks	Lizurej, Tomasz*; Michalak, Tomasz; Dziembowski, Stefan
4128 Steganography of Steganographic Networks	Li, Guobiao; Li, Sheng; Li, meiling; Zhang, Xinpeng*; Qian, Zhenxing

3876 Deepfake Video Detection via Facial Action Dependencies Estimation	Tan, Lingfeng*; Wang, Yunhong; Wang, Junfu; Yang, Liang; Chen, Xunxun; Guo, Yuanfang
7843 XRand: Differentially Private Defense against Explanation-Guided Attacks	Nguyen, Truc; Lai, Phung; Phan, Hai; Thai, My T.*
CV: 3D Computer Vision	Sunday, February 12, 3:45-5:00pm
709 Attention-based Depth Distillation with 3D-Aware Positional Encoding for Monocular 3D Object Detection	wu, zizhang*; Wu, Yunzhe; Pu, Jian; Li, Xianzhi; xiaouqan, wang
3364 Weakly Supervised 3D Multi-person Pose Estimation for Large-scale Scenes based on Monocular Camera and Single LiDAR	Cong, Peishan; Xu, Yiteng; Ren, Yiming; Zhang, Juze; Xu, Lan; Wang, Jingya; Yu, Jingyi; Ma, Yuexin*
1830 Structure Flow-Guided Network for Real Depth Super-Resolution	Yuan, Jiayi; Jiang, Haobo; Li, Xiang; Qian, Jianjun; Li, Jun; Yang, Jian*
5171 Rethinking Disparity: A depth range free Multi-View Stereo based on Disparity	Yan, Qingsong*; Wang, Qiang; Zhao, Kaiyong; Li, Bo; Chu, Xiaowen; Deng, Fei
CV: Multi-modal Vision	Sunday, February 12, 3:45-5:00pm
1266 MicroAST: Towards Super-Fast Ultra-Resolution Arbitrary Style Transfer	Wang, Zhizhong*; Zhao, Lei; Zuo, Zhiwen; Li, Ailin; Chen, Haibo; Xing, Wei; Lu, Dongming
236 Exploring Stroke-Level Modifications for Scene Text Editing	Qu, Yadong*; Tan, Qingfeng; Xie, Hongtao; Xu, Jianjun; Wang, YuXin; Zhang, Yongdong
1468 Cross-Modality Earth Mover, Distance for Visible Thermal Person Re-Identification	Ling, Yongguo*; Zhong, Zhun; Luo, Zhiming; Yang, Fengxiang; Cao, Donglin; Lin, Yaojin; Li, Shaozi; Sebe, Nicu
1533 CoMAE: Single Model Hybrid Pre-training on Small-Scale RGB-D Datasets	Yang, Jiange; Guo, Sheng; Wu, Gangshan; Wang, Limin*
CV: Object Detection & Categorization	Sunday, February 12, 3:45-5:00pm
5628 Weakly-Supervised Camouflaged Object Detection with Scribble Annotations	He, Ruozhen; Qihua, DONG; Lin, Jiaying*; Lau, Rynson W.H.
6974 Coarse2Fine: Local Consistency Aware Re-prediction for Weakly Supervised Object Localization	pan, yixuan; YAO, YAO; Cao, Yichao; chen, Chongjin; Lu, Xiaobo*
1296 LORE: Logical Location Regression Network for Table Structure Recognition	Xing, Hangdi*; Gao, Feiyu; Long, Rujiao; Bu, Jiajun; Zheng, Qi; Li, Liangcheng; Yao, Cong; Yu, Zhi
319 Active Token Mixer	Wei, Guoqiang ; Zhang, Zhizheng*; Lan, Cuiling; Lu, Yan; Chen, Zhibo
CV: Representation Learning for Vision	Sunday, February 12, 3:45-5:00pm
10698 Language-Assisted 3D Feature Learning for Semantic Scene Understanding	Zhang, Junbo*; Fan, Guofan; Wang, Guanghan; Su, Zhengyuan; Ma, Kaisheng; Yi, Li
10850 3D-TOGO: Towards Text-Guided Cross-Category 3D Object Generation	Jiang, Zutao*; Lu, Guansong; Liang, Xiaodan; Zhu, Jihua; Zhang, Wei; Chang, Xiaojun; Xu, Hang
127 The Devil is in the Frequency: Geminated Gestalt Autoencoder for Self-Supervised Visual Pre-Training	Liu, Hao*; Jiang, Xinghua; Li, Xin; Guo, Antai; Hu, Yiqing; Jiang, Deqiang; Ren, Bo
10944 Exploring Stochastic Autoregressive Image Modeling for Visual Representation	Qi, Yu; Fan, Yang; Zhu, Yousong; Liu, Yufei; Wu, Liwei; Zhao, Rui; Li, Wei*
DMKM: Recommender Systems	Sunday, February 12, 3:45-5:00pm
7483 Multiple Robust Learning for Recommendation	Li, Haoxuan*; Dai, Quanyu; Li, Yuru; Lyu, Yan; Dong, Zhenhua; Zhou, Xiaohua; Wu, Peng
3852 Win-Win: A Privacy-Preserving Federated Framework for Dual-Target Cross-Domain Recommendation	Chen, Gaode; Zhang, Xinghua; Su, Yijun*; Lai, Yantong; Xiang, Ji; Zhang, Junbo; Zheng, Yu
2063 Towards Reliable Item Sampling for Recommendation Evaluation	Li, Dong; Jin, Ruoming*; LIU, Zhenming; Ren, Bin; Gao, Jing; Liu, Zhi
5842 Structure Aware Incremental Learning with Personalized Imitation Weights for Recommender Systems	Wang, Yuening*; Zhang, Yingxue; Valkanas, Antonios; Tang, Ruiming; Ma, Chen; Hao, Jianye; Coates, Mark
GTEP: Social Choice / Voting / HAI: Learning Human Values and Preferences	Sunday, February 12, 3:45-5:00pm
10645 Probably Approximate Shapley Fairness with Applications in Machine Learning	Zhou, Zijian; Xu, Xinyi*; Sim, Rachael Hwee Ling; Foo, Chuan Sheng; Low, Bryan Kian Hsiang
10936 Now We're Talking: Better Deliberation Groups Through Submodular Optimization	Barrett, Jake; Gal, Kobi; Gözl, Paul*; Hong, Rose; Procaccia, Ariel

10636 Moral Machine or Tyranny of the Majority?	Feffer, Michael*; Heidari, Hoda; Lipton, Zachary
10710 Min-Max Submodular Ranking for Multiple Agents	Chen, Qingyun; Im, Sungjin; Moseley, Benjamin; Xu, Chenyang*; Zhang, Ruilong
MAS: Multiagent Planning / PRS: Planning, Routing, and Scheduling	Sunday, February 12, 3:45-5:00pm
4311 Multi-Unit Auctions for Allocating Chance-Constrained Resources	Gautier, Anna*; Lacerda, Bruno; Hawes, Nick; Wooldridge, Michael
4117 The Multi-Agent Transportation Problem	Bachor, Pascal; Bergdoll, Rolf-David; Nebel, Bernhard*
2452 Smoothed Online Combinatorial Optimization Using Imperfect Predictions	Wang, Kai*; Song, Zhao; Theocharous, Georgios; Mahadevan, Sridhar
3879 AlphaRoute: Large-Scale Coordinated Route Planning via Monte Carlo Tree Search	Luo, Guiyang*; Wang, Yantao; Zhang, Hui; Yuan, Quan; Li, Jinglin
ML: Applications / RU: Reasoning Under Uncertainty	Sunday, February 12, 3:45-5:00pm
10785 Integrating Reward Maximization and Population Estimation: Sequential Decision-Making for Internal Revenue Service Audit Selection	Henderson, Peter*; Chugg, Ben; Anderson, Brandon; Altenburger, Kristen M; Turk, Alex H; Guyton, John L; Goldin, Jacob; Ho, Daniel
10908 Integer Subspace Differential Privacy	Dharangutte, Prathamesh*; Gao, Jie; Gong, Ruobin; Yu, Fang-Yi
10920 Continuous Mixtures of Tractable Probabilistic Models	Correia, Alvaro H. C.*; Gala, Gennaro; Quaegebeur, Erik; de Campos, Cassio; Pecharz, Robert
10976 Out-of-Distribution Generalization by Neural-Symbolic Joint Training	Liu, Anji*; Xu, Hongming; Van den Broeck, Guy; Liang, Yitao
CV: Representation Learning for Vision	Sunday, February 12, 3:45-5:00pm
532 Isolation and Impartial Aggregation: A Paradigm of Incremental Learning without Interference	Wang, Yabin; Ma, Zhiheng; Huang, Zhiwu; Wang, Yaowei; Su, Zhou; Hong, Xiaopeng*
1795 The Effect of Diversity in Meta-Learning	Kumar, Ramnath*; Deleu, Tristan; Bengio, Yoshua
484 T-distributed Spherical Feature Representation for Imbalanced Classification	Yang, Xiaoyu*; Chen, Yufei; Yue, Xiaodong; Xu, Shaoxun; Ma, Chao
5289 ESPT: A Self-Supervised Episodic Spatial Pretext Task for Improving Few-Shot Learning	Rong, Yi*; Lu, Xiongbo; Sun, Zhaoyang; Chen, Yaxiong; Xiong, Shengwu
SNLP: Information Extraction / Text Classification	Sunday, February 12, 3:45-5:00pm
2476 Joint Multimodal Entity-Relation Extraction Based on Edge-enhanced Graph Alignment Network and Word-pair Relation Tagging	yuan, li; Cai, Yi*; Wang, Jin; Li, Qing
7321 An Adaptive Layer to Leverage both Domain and Task Specific Information from Scarce Data	Guibon, Gaël*; Labeau, Matthieu; Clavel, Chloé; Lefevre, Luce
9425 Neighborhood-Regularized Self-Training for Learning with Few Labels	Xu, Ran*; Yu, Yue; Cui, Hejie; Kan, Xuan; ZHU, Yanqiao; Ho, Joyce; Zhang, Chao; Yang, Carl
2121 Competition or Cooperation? Exploring Unlabeled Data via Challenging Minimax Game for Semi-Supervised Relation Extraction	Hong, Yu*; Li, Jiahang; Feng, Jianchuan; Huang, Chenghua; Li, Zhixu; Qu, Jianfeng; Xiao, Yanghua; Wang, Wei
ML: Deep Neural Network Algorithms	Sunday, February 12, 3:45-5:00pm
10261 Invariant Representations with Stochastically Quantized Neural Networks	Cerrato, Mattia*; Koeppel, Marius; Esposito, Roberto; Kramer, Stefan
5108 Feature Distribution Fitting with Direction-Driven Weighting for Few-shot Images Classification	Wei, Xin*; Du, Wei; Wan, Huan; Min, Weidong
8954 WLD-Reg: A data-dependent Within-layer Diversity Regularizer	Laakom, Firas*; Raitoharju, Jenni; Iosifidis, Alexandros; Gabbouj, Moncef
8018 Trusted Fine-grained Image Classification Through Hierarchical Evidence Fusion	Xu, Zhikang; Yue, Xiaodong*; Lv, Ying; Liu, Wei; Li, Zihao
ML: Reinforcement Learning Algorithms	Sunday, February 12, 3:45-5:00pm
6757 Adaptive Policy Learning for Offline-to-Online Reinforcement Learning	Zheng, Han*; Luo, Xufang; Wei, Pengfei; Song, Xuan; Li, Dongsheng; Jiang, Jing
10330 CEM: Constrained Entropy Maximization for Task-Agnostic Safe Exploration	Yang, Qisong*; Spaan, Matthijs T. J.
7820 ACE: Cooperative Multi-agent Q-learning with Bidirectional Action-Dependency	Li, Chuming*; Liu, Jie; Zhang, Yinmin; WEI, YUHONG; Niu, Yazhe; Yang, Yaodong; Liu, Yu; Ouyang, Wanli

3492 Q-Functionals for Value-Based Continuous Control	Lobel, Samuel*; Rammohan, Sreehari; He, Bowen; Yu, Shangqun; Konidaris, George
ML: Time-Series/Data Streams	Sunday, February 12, 3:45-5:00pm
5713 Online Random Feature Forests for Learning in Varying Feature Spaces	Schreckenberger, Christian*; He, Yi; Lüdtke, Stefan; Bartelt, Christian; Stuckenschmidt, Heiner
2879 Self-Supervised Learning for Anomalous Channel Detection in EEG Graphs: Application to Seizure Analysis	Ho, Thi Kieu Khanh*; Armanfard, Narges
1976 SVP-T: A Shape-Level Variable-Position Transformer for Multivariate Time Series Classification	Zuo, Rundong*; Li, Guozhong; Choi, Byron; S Bhowmick, Sourav; Mah, Daphne; Wong, Grace Lai-Hung
3258 Dish-TS: A General Paradigm for Alleviating Distribution Shift in Time Series Forecasting	Fan, Wei*; Wang, Pengyang; Wang, Dongkun; Wang, Dongjie; Zhou, Yuanchun; Fu, Yanjie
ML: Bias and Fairness	Sunday, February 12, 3:45-5:00pm
10965 CertiFair: A Framework for Certified Global Fairness of Neural Networks	Khedr, Haitham*; Shoukry, Yasser
10898 An Efficient Algorithm for Fair Multi-Agent Multi-Armed Bandit with Low Regret	Jones, Matthew; Nguyen, Huy; Nguyen, Thy D*
10766 Unfooling Perturbation-Based Post Hoc Explainers	Carmichael, Zachariah*; Scheirer, Walter J
4860 Symbolic Metamodels for Interpreting Black-boxes Using Primitive Functions	Abroshan, Mahed*; Mishra, Saumitra; Khalili, Mohammad Mahdi
SNLP: Question Answering / Information Extraction	Sunday, February 12, 3:45-5:00pm
4474 Low Resource Quantitative Information Extraction via Structure Searching and Prefix-based Text Generation	Li, Tongliang*; Wang, Zixiang; Li, Zhoujun
7849 A Question-Answering Approach to Key Value Pair Extraction from Form-like Document Images	Hu, Kai; Wu, Zhuoyuan; Zhong, Zhuoyao*; Lin, Weihong; Sun, Lei; Huo, Qiang
918 Inferential Knowledge-Enhanced Integrated Reasoning for Video Question Answering	Mao, Jianguo*; Jiang, Wenbin; Liu, Hong; Wang, Xiangdong; Lyu, Yajuan
8410 HybridPrompt: Bridging Language Models and Human Priors in Prompt Tuning for Visual Question Answering	Ma, Zhiyuan; yu, zhihuan; Li, Jianjun*; Li, Guohui

AISI: Environment	Sunday, February 12, 3:45-5:00pm
902 SARAS-Net: Scale And Relation Aware Siamese Network for Change Detection	Chen, Chao-Peng*; Hsieh, Jun-Wei; Chen, Ping-Yang; Yi Kuan, Hsieh; Wang, Bor-Shiun
3624 Auto-CM: Unsupervised Deep Learning for Satellite Imagery Composition and Cloud Masking Using Spatio-Temporal Dynamics	Xie, Yiqun*; Li, Zhili; Bao, Han; Jia, Xiaowei; Xu, Dongkuan; Zhou, Xun; Skakun, Sergii
3920 Bugs in the Data: How ImageNet Misrepresents Biodiversity	Luccioni, Sasha*; Rolnick, David
5955 Weather2vec: Representation Learning for Causal Inference with Non-Local Confounding in Air Pollution and Climate Studies	Tec, Mauricio*; Scott, James; Zigler, Corwin

5:00-6:00pm - AAAI Invited Talk	
	Anima Anandkuma (California Institute of Technology)

Monday, February 13, 2023

9:30am-7:00pm	
Inclusive and Diverse K-12 AI Literacy – Stakeholder Workshop	Amy Eguchi and Christina Gardner-McCune