AAAI-20 Poster / Demo Paper Guide
Americas Hall I / II
New York Hilton Midtown Hotel

Sunday, February 9, 7:30 – 9:30 PM
Monday, February 10, 7:20 – 9:20 PM
Tuesday, February 11, 6:30 – 8:30 PM
WELCOME TO THE AAAI-20 POSTER AND DEMO SESSIONS!

Each AAAI 20 Poster/Demo Session will include posters by authors who give oral or spotlight presentations during the conference. Poster presentations are scheduled on the same evening as the oral presentation or spotlight presentation, except for Wednesday oral presentations, which will be presented in poster format on Tuesday evening. (Note that some oral paper presenters elected not to participate in the poster portion of the program.) Papers will be organized by primary subject areas in the poster/demo sessions and signs will be posted to designate clusters of subject areas. Posters will be arranged within subject area by paper ID numbers. Sunday evening posters will also include International Science Fair AAAI award-winning projects, Doctoral Consortium papers, Undergraduate Consortium papers, and AAAI-20 posters. A total of 25 technical demos and 137 student abstract posters will be divided among the three evening sessions. Twenty student abstract posters, selected as finalists in the 3-Minute Presentation Award Contest, will be presented on Monday evening, and are designated by an * in the schedule. A map will be posted in Guidebook and the poster hall to assist authors and attendees in locating presentations.

The number preceding the paper code and title denotes the corresponding board position in the layout for that day. (Note that posters have been grouped with their proceedings content area, which may be different than their session name.)

Sunday, February 9
7:30 – 9:30 PM

Al and the Web (AIW)

1- AIW481: A Spherical Convolution Approach for Learning Long Term Viewport Prediction in 360 Immersive Video
Chenglei Wu, Rui-Xiao Zhang, Zhi Wang, Lifeng Sun

2- AIW219: Where to Go Next: Modeling Long- and Short-Term User Preferences for Point-of-Interest Recommendation
Ke Sun, Tieyan Qian, Tong Chen, Yile Liang, Quoc Viet Hung Nguyen, Hongzhi Yin

3- AIW2377: Interactive Rare-Category-of-Interest Mining from Large Datasets
Zhenguang Liu, Sihao Hu, YiFang Yin, Jianhai Chen, Kevin Chiew, Luming Zhang, Zetian Wu

4- AIW3195: Learned Video Compression via Joint Spatial-Temporal Correlation Exploration
Haoyue Liu, Han Shen, Lichao Huang, Ming Lu, Tong Chen, Zhan Ma

5- AIW3224: Understanding and Improving Proximity Graph Based Maximum Inner Product Search
Jie Liu, Xiao Yan, Xinyan Dai, Zhirong Li, James Cheng, Ming-Chang Yang

6- AIW3229: Norm-Explicit Quantization: Improving Vector Quantization for Maximum Inner Product Search
Xinyan Dai, Xiao Yan, Kelvin K. W. Ng, Jie Liu, James Cheng

7- AIW3241: An Attentional Recurrent Neural Network for Personalized Next Location Recommendation
Qing Guo, Zhu Sun, Jie Zhang, Yin-Leng Theng

8- AIW3528: Leveraging Title-Abstract Attentive Semantics for Paper Recommendation
Guibing Guo, Bowei Chen, Xiaoyan Zhang, Zhirong Liu, Zhenhua Dong, Xinqiang He

9- AIW3588: Semi-Supervised Multi-Modal Learning with Balanced Spectral Decomposition
Peng Hu, Hongyuan Zhu, Xi Peng, Jie Lin

10- AIW5099: Deep Match to Rank Model for Personalized Click-Through Rate Prediction
Ze Lyu, Yu Dong, Chengfu Huo, Weijun Ren

11- AIW5535: A Recurrent Model for Collective Entity Linking with Adaptive Features
Xiaoling Zhou, Yukai Miao, Wei Wang, Jianbin Qin

Applications (APP)

12- APP66: Privacy-Preserving Gradient Boosting Decision Trees
Qinbin Li, Zhaomin Wu, Zeyi Wen, Bingsheng He

13- APP1465: Pairwise Learning with Differential Privacy Guarantees
Mengdi Huali, Di Wang, Chenglin Miao, Jinhui Xu, Aidong Zhang

14- APP2023: Object-Guided Instance Segmentation for Biological Images
Jingru Yi, Hui Tang, Pengxiang Wu, Bo Liu, Daniel J. Hoepnner, Dimitris N. Metaxas, Liyan Yi, Wei Fan

15- APP2261: Towards Cross-Modality Medical Image Segmentation with Online Mutual Knowledge Distillation
Kang Li, Lequan Yu, Shujun Wang, Pheng-Ann Heng

16- APP3537: Graph-Driven Generative Models for Heterogeneous Multi-Task Learning
Wenlin Wang, Hongteng Xu, Zhe Gao, Bai Li, Guoyin Wang, Liqun Chen, Qian Yang, Wenqi Wang, Lawrence Carin

Heyuan Wang, Tengjiao Wang, Yi Li

18- APP4483: Reinforcement-Learning Based Portfolio Management with Augmented Asset Movement Prediction States
Yunan Ye, Hengzhi Pei, Boxin Wang, Pin-Yu Chen, Yada Zh, Jun Xiao, Bo Li

19- APP5484: MRI Reconstruction with Interpretable Pixel-Wise Operations Using Reinforcement Learning
Wentian Li, Xidong Peng, Haoqian An, Xiang Yao Ng, Yu-Jin Zhang

20- APP5592: CASTER: Predicting Drug Interactions with Chemical Substructure Representation
Kexin Huang, Cao Xiao, Trong Nghia Hoang, Lucas M. Glass, Jimeng Sun

21- APP5915: A Graph Auto-Encoder for Haplotyp Assembly and Vital Quasispecies Reconstruction
Zi Qi Ke, Haris Vikalo
22- APP6057: Differentially Private and Fair Classification via Calibrated Functional Mechanism
Jiahao Ding, Xinyue Zhang, Xiaohuan Li, Junyi Wang, Rong Yu, Miao Pan

23- APP6125: Doctor2Vec: Dynamic Doctor Representation Learning for Clinical Trial Recruitment
Siddharth Biswal, Cao Xiao, Lucas M. Glass, Elizabeth Milkovits, Jimeng Sun

24- APP6697: Generating Realistic Stock Market Order Streams
Junyi Li, Xintong Wang, Yaoyang Lin, Arunesh Sinha, Michael P. Wellman

25- APP7101: Iteratively Questioning and Answering for Interpretable Legal Judgment Prediction
Haoxi Zhong, Yuzhong Wang, Cunchao Tu, Tianyang Zhang, Zhiyuan Liu, Maosong Sun

26- APP7706: Can Embeddings Adequately Represent Medical Terminology? New Large-Scale Medical Term Similarity Datasets Have the Answer!
Claudia Schultz, Damir Juric

27- APP7932: SynSig2Vec: Learning Representations from Synthetic Dynamic Signatures for Real-World Verification
Songzuan Lai, Lianwen Jin, Luojun Lin, Yecheng Zhu, Huiyun Mao

28- APP8057: GAN-Based Unpaired Chinese Character Image Translation via Skeleton Transformation and Stroke Rendering
Yiming Gao, Jianguin Wu

29- APP8224: Chemically Interpretable Graph Interaction Network for Prediction of Pharmacokinetic Properties of Drug-Like Molecules
Tashaswi Pathak, Siddhartha Laghvarapu, Sarvesh Mehta, U Deva Priyakumar

30- APP8415: Shoreline: Data-Driven Threshold Estimation of the Online Reserves of Cryptocurrency Trading Platforms
Xitong Zhang, He Zhu, Jiayu Zhou

31- APP8599: CORE: Automatic Molecule Optimization Using Copy & Refine Strategy
Tianfan Fu, Cao Xiao, Jimeng Sun

32- APP9491: Differentially Private Learning with Small Public Data
Jun Wang, Zhi-Hua Zhou

33- APP9733: DeepVar: An End-to-End Deep Learning Approach for Genomic Variant Recognition in Biomedical Literature
Chaoran Cheng, Fei Tan, Zhi Wei

34- APP10477: MaskGEC: Improving Neural Grammatical Error Correction via Dynamic Masking
Zewei Zhao, Houfeng Wang

Constraint Satisfaction and Optimization (CSO)

35- CSO1126: Do Subsampled Newton Methods Work for High-Dimensional Data?
Xiang Li, Shusen Wang, Zhihua Zhang

36- CSO1344: Guiding CDCL SAT Search via Random Exploration Amid Conflict Depression
Md Solimul Chowdhury, Martin Müller, Jia-Huai You

37- CSO1758: Learning to Optimize Computational Resources: Frugal Training with Generalization Guarantees

Computational Sustainability (CSUS)

38- CSO2787: Accelerating Column Generation via Flexible Dual Optimal Inequalities with Application to Entity Resolution
Vishnu Suresh Lokhande, Shaofei Wang, Maneesh Singh, Julian Yarkony

39- CSO2997: Solving Set Cover and Dominating Set via Maximum Satisfiability
Zhendong Lei, Shaowei Cai

40- CSO3769: Modelling and Solving Online Optimisation Problems
Alexander Ek, Maria García de la Banda, Andreas Schutt, Peter J. Stuckey, Guido Tack

41- CSO4763: Trading Convergence Rate with Computational Budget in High Dimensional Bayesian Optimization
Hung Tran-The, Sunil Gupta, Santu Rana, Sreetal Venkatesh

42- CSO6013: FourierSAT: A Fourier Expansion-Based Algebraic Framework for Solving Hybrid Boolean Constraints
Anastasios Kyriilidis, Anshumali Shrivastava, Moshe Y. Vardi, Zhiwei Zhang

43- CSO6051: Deep Neural Network Approximated Dynamic Programming for Combinatorial Optimization
Shenghe Xu, Shivendra S. Panwar, Murali Kodialam, T. V. Lakshman

44- CSO6056: A Cardinal Improvement to Pseudo-Boolean Solving
Jan Elfers, Jakob Nordström

45- CSO6164: Optimization of Chance-Constrained Submodular Functions
Benjamin Doerr, Carola Doerr, Aneta Neumann, Frank Neumann, Andrew M. Sutton

46- CSO8517: Probabilistic Inference for Predicate Constraint Satisfaction
Yuki Satake, Hiroshi Unno, Hinata Yanagi

47- CSO9674: Predicting Propositional Satisfiability via End-to-End Learning
Chris Cameron, Rex Chen, Jason Hartford, Kevin Leyton-Brown

Game Theory and Economic Paradigms (GTEP)

48- GTEP4719: Modeling Electrical Motor Dynamics using Encoder-Decoder with Recurrent Skip Connection
Sagar Verma, Nicolas Hemwood, Marc Castella, Francois Malrait, Jean-Christophe Pesquet

49- GTEP1140: Iterative Delegations in Liquid Democracy with Restricted Preferences
Bruno Escoffier, Hugo Gilbert, Adèle Pass-Lanneau

50- GTEP1179: Fair Division of Mixed Divisible and Indivisible Goods
Xiaohui Bei, Zhiho Li, Jinyan Liu, Shengxin Liu, Xinhang Lu

51- GTEP2006: Price of Fairness in Budget Division and Probabilistic Social Choice
Marcin Michorzewski, Dominik Peters, Piotr Skowron

52- GTEP2149: Double-Oracle Sampling Method for Stackelberg Equilibrium Approximation in General-Sum Extensive-Form Games
Jan Karwowski, Jacek Mańdziak

Maria-Florina Balcan, Tuomas Sandholm, Ellen Vitercik

Alexander Ek, Maria García de la Banda, Andreas Schutt, Peter J. Stuckey, Guido Tack

Hung Tran-The, Sunil Gupta, Santu Rana, Sreetal Venkatesh

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Marcin Michorzewski, Dominik Peters, Piotr Skowron

Jan Karwowski, Jacek Mańdziak
Human-AI Collaboration (HAC)

69- HAC5518: Explainable Reinforcement Learning Through a Causal Lens
Prashan Madumal, Tim Miller, Liz Sonenberg, Frank Vetere

70- HAC5768: Learning to Interactively Learn and Assist
Mark Woodward, Chelsea Finn, Karol Hausman

71- HAC6001: A General Approach to Fairness with Optimal Transport
Sílvia Chiappa, Ray Jiang, Tom Stepleton, Aldo Pacchiano, Heinrich Jiang, John Aslanides

72- HAC6857: Just Ask: An Interactive Learning Framework for Vision and Language Navigation
Ta-Chung Chi, Mihail Eric, Seokhwan Kim, Minmin Shen, Dilek Hakkani-Tür

73- HAC7632: Actionable Ethics through Neural Learning
Daniele Rossini, Danilo Croce, Sara Mancini, Massimo Pellegrino, Roberto Basili

74- HAC9448: What Is It You Really Want of Me? Generalized Reward Learning with Biased Beliefs about Domain Dynamics
Ze Gong, Yu Zhang

Humans and AI (HAI)

75- HAI1715: SalsAC: A Video Saliency Prediction Model with Shuffled Attention and Correlation-Based ConvLSTM
Xinyi Wu, Zhenyao Wu, Jinglin Zhang, Lil Jie, Song Wang

76- HAI1056: Conditional Generative Neural Decoding with Structured CNN Feature Prediction
Changde Du, Changying Du, Lijie Huang, Huiguang He

77- HAI1698: Towards Socially Responsible AI: Cognitive Bias-Aware Multi-Objective Learning
Procheta Sen, Debasis Ganguly

78- HAI2299: Towards Awareness of Human Relational Strategies in Virtual Agents
Ian Beaver, Cynthia Freeman, Abdullah Mueen

79- HAI4193: CG-GAN: An Interactive Evolutionary GAN-Based Approach for Facial Composite Generation
Nicola Zaltron, Luisa Zurlo, Sebastian Risi

80- HAI4471: Asymptotically Unambitious Artificial General Intelligence
Michael K. Cohen, Badri Vellambi, Marcus Hutter

81- HAI6072: FLNet: Landmark Driven Fetching and Learning Network for Faithful Talking Facial Animation Synthesis
Kuangzhao Gu, Yuqian Zhou, Thomas Huang

Heuristic Search and Optimization (HSO)

82- HSO208: Reduction and Local Search for Weighted Graph Coloring Problem
Yiyuan Wang, Shaowei Cai, Shiwei Pan, Ximing Li, Minghao Yin

83- HSO1164: Local Search with Dynamic-Threshold Configuration Checking and Incremental Neighborhood Updating for Maximum K-Plex Problem
Pelin Chen, Hai Wan, Shaowei Cai, Jia Li, Haicheng Chen

84- HSO1773: Envelope-Based Approaches to Real-Time Heuristic Search
Kevin C. Gall, Bence Cserna, Wheeler Ruml
Knowledge Representation and Reasoning (KRR)

91- KRR270: A Practical Approach to Forgetting in Description Logics with Nominals
Yizheng Zhao, Renate A. Schmidt, Yuejie Wang, Xuanming Zhang, Hao Feng

92- KRR280: Ranking-Based Semantics for Sets of Attacking Arguments
Bruno Yun, Srđjan Vesic, Madalina Croitoru

93- KRR1148: Query Answering with Guarded Existential Rules under Stable Model Semantics
Hai Wan, Guohui Xiao, Chenglin Wang, Xianqiao Liu, Junhong Chen, Zhe Wang

94- KRR3174: LTLf Synthesis with Fairness and Stability Assumptions
Shufang Zhu, Giuseppe De Giacomo, Guguang Pu, Moshe Y. Vardi

95- KRR4020: ParamE: Regarding Neural Network Parameters as Relation Embeddings for Knowledge Graph Completion
Feihu Che, Dawei Zhang, Jianhua Tao, Mingyue Niu, Bocheng Zhao

96- KRR4791: Least General Generalizations in Description Logic: Verification and Existence
Jean Christoph Jung, Carsten Lutz, Frank Wolter

97- KRR5480: Complexity and Expressive Power of Disjunction and Negation in Limit Datalog
Mark Kaminski, Bernardo Cuenca Grau, Egor V. Kostylev, Ian Horrocks

98- KRR5505: Learning and Reasoning for Robot Sequential Decision Making under Uncertainty
Saeid Amir, Mohammad Shokrolah Shirazi, Shiqi Zhang

99- KRR5571: ELGolog: A High-Level Programming Language with Memory of the Execution History
Giuseppe De Giacomo, Yves Lespérance, Eugenia Ternovska

100- KRR5594: K-BERT: Enabling Language Representation with Knowledge Graph
Weijie Liu, Peng Zhou, Zhe Zhao, Zhiruo Wang, Qi Ju, Haotang Deng, Ping Wang

101- KRR6048: Deciding the Loosely Guarded Fragment and Querying Its Horn Fragment Using Resolution
Sen Zheng, Renate A. Schmidt

102- KRR8202: Automatic Verification of Liveness Properties in the Situation Calculus
Jian Li, Yongmei Liu

103- KRR9502: Commonsense Knowledge Base Completion with Structural and Semantic Context
Chaitanya Malaviya, Chandra Bhagavatula, Antoine Bosselut, Yejin Choi

Multiagent Systems (MAS)

104- MAS551: Multi-Objective Multi-Agent Planning for Jointly Discovering and Tracking Mobile Objects
Hoa Van Nguyen, Hamid Rezatofighi, Ba-Ngu Vo, Damith C. Ranasinghe

105- MAS5539: Model Checking Temporal Epistemic Logic under Bounded Recall
Francesco Belardinelli, Alessio Lomuscio, Emily Yu

106- MAS9802: Solving Sum-of-Costs Multi-Agent Pathfinding with Answer-Set Programming
Rodrigo N. Gómez, Carlos Hernández, Jorge A. Baier

Machine Learning (ML)

107- ML23: BOWL: Bayesian Optimization for Weight Learning in Probabilistic Soft Logic
Sriram Srinivasan, Golnoosh Farnadi, Lise Getoor

108- ML175: Characterizing Membership Privacy in Stochastic Gradient Langevin Dynamics
Bingzhe Wu, Chaochao Chen, Shiwan Zhao, Cen Chen, Yuan Yao, Guangyu Sun, Li Wang, Xiaokui Zhang, Jun Zhou

109- ML199: Chained Representation Cycling: Learning to Estimate 3D Human Pose and Shape by Cycling Between Representations
Nadine Rüegg, Christoph Lassner, Michael Black, Konrad Schindler

110- ML504: Coupled-View Deep Classifier Learning from Multiple Noisy Annotators
Shikun Li, Shiming Ge, Yingying Hua, Chunhui Zhang, Hao Wen, Tengfei Liu, Weiqiang Wang

111- ML904: Layerwise Sparse Coding for Pruned Deep Neural Networks with Extreme Compression Ratio
Xiao Liu, Wenbin Li, Jing Huo, Lili Yao, Yang Gao

112- ML947: Estimating Early Fundraising Performance of Innovations via Graph-Based Market Environment Model
Likang Wu, Zhi Li, Hongke Zhao, Zhen Pan, Qi Liu, Enhong Chen

113- ML1043: End-to-End Unpaired Image Denoising with Conditional Adversarial Networks
Zhiwei Hong, Xiaochen Fan, Tao Jiang, Jiaming Feng

114- ML1258: Neural Cognitive Diagnosis for Intelligent Education Systems
Fei Wang, Qi Liu, Enhong Chen, Zhenya Huang, Yuying Chen, Yu Yin, Zai Huang, Shijin Wang

115- ML1309: Revisiting Online Quantum State Learning
Feidiao Yang, Jiaqiang Jiang, Jialin Zhang, Xiaoming Sun
116- ML1325: Improved Visual-Semantic Alignment for Zero-Shot Object Detection
Shafin Rahman, Salman Khan, Nick Barnes

117- ML1341: An Annotation Sparsification Strategy for 3D Medical Image Segmentation via Representative Selection and Self-Training
Hao Zheng, Yizhe Zhang, Lin Yang, Chaoli Wang, Danny Z. Chen

118- ML1545: Learning Saliency-Free Model with Generic Features for Weakly-supervised Semantic Segmentation
Wenfeng Luo, Meng Yang

119- ML1650: Adaptive Factorization Network: Learning Adaptive-Order Feature Interactions
Weiyu Cheng, Yanyan Shen, Linpeng Huang

120- ML1687: Stochastic Online Learning with Probabilistic Graph Feedback
Shuai Li, Wei Chen, Zheng Wen, Kwong-Sak Leung

121- ML1768: Privacy-Preserving Gaussian Process Regression – A Modular Approach to the Application of Homomorphic Encryption
Peter Fenner, Edward O. Pyzer-Knapp

122- ML1830: Systematically Exploring Associations among Multivariate Data
Lifeng Zhang

123- ML1964: Training Decision Trees as Replacement for Convolution Layers
Wolfgang Fuhl, Gjergji Kasneci, Wolfgang Rosenstiel, Enkeljda Kasneci

124- ML2005: Less Is Better: Unweighted Data Subsampling via Influence Function
Zifeng Wang, Hong Zhu, Zhenhua Dong, Xuqiang He, Shao-Lun Huang

125- ML2016: Projective Quadratic Regression for Online Learning
Wenyu Ma

126- ML2158: Towards Interpretation of Pairwise Learning
Mengdi Huai, Di Wang, Chenglin Miao, Aidong Zhang

Yang Liu, Qi Liu, Hongke Zhao, Zhen Pan, Chuanren Liu

128- ML2307: Learning General Latent-Variable Graphical Models with Predictive Belief Propagation
Borui Wang, Geoffrey Gordon

129- ML2379: OOGAN: Disentangling GAN with One-Hot Sampling and Orthogonal Regularization
Bingchen Liu, Yizhe Zhu, Zuohe Fu, Gerard de Melo, Ahmed Elgammal

130- ML2437: Cross-Modal Subspace Clustering via Deep Canonical Correlation Analysis
Quanxue Gao, Huanhuan Lian, Qiangqian Wang, Gan Sun

131- ML2494: Fractional Skipping: Toward Finer-Grained Dynamic CNN Inference
Jianghao Shen, Yue Wang, Pengfei Xu, Yonggan Fu, Zhangyang Wang, Yingyan Lin

Senwei Liang, Zhongzhan Huang, Mingfu Liang, Haizhao Yang

133- ML2690: Segmenting Medical MRI via Recurrent Decoding Cell
Ying Wen, Kai Xie, Lianghua He

134- ML2914: Plug-In, Trainable Gate for Streamlining Arbitrary Neural Networks
Jaedeok Kim, Chiyoun Park, Hyn-Joo Jung, Yoonsuck Choe

135- ML2932: Towards Certificated Model Robustness Against Weight Perturbations
Tsui-Wei Weng, Pu Zhao, Sijia Liu, Pin-Yu Chen, Xue Lin, Luca Daniel

136- ML3084: Exact and Efficient Inference for Collective Flow Diffusion Model via Minimum Convex Cost Flow Algorithm
Yasunori Akagi, Takuya Nishimura, Yusuke Tanaka, Takeshi Kurashima, Hiroyuki Toda

137- ML3167: Online Metric Learning for Multi-Label Classification
Xiuwen Gong, Dong Yuan, Wei Bao

138- ML3278: Aggregated Learning: A Vector-Quantization Approach to Learning Neural Network Classifiers
Masoumeh Sollaii, Hongyu Guo, Ali Al-Bashabsheh, Yongyi Mao, Richong Zhang

139- ML3426: Memory Augmented Graph Neural Networks for Sequential Recommendation
Chen Ma, Liheng Ma, Yingsxe Zhang, Jianing Sun, Xue Liu, Mark Coates

140- ML3430: Improved PAC-Bayesian Bounds for Linear Regression
Vera Shalaeva, Alireza Fakhri, Claude Esfahani, Pascal Germain, Mihaly Petreczky

141- ML3435: Interpretable and Differentially Private Predictions
Frederik Harder, Matthias Bauer, Mijung Park

Harsha Kokel, Phillip Odom, Shuo Yang, Sriraam Natarajan

143- ML3543: Pairwise Fairness for Ranking and Regression
Harikrishna Narasimhan, Andrew Cotter, Maya Gupta, Serena Wang

144- ML3544: The HSIC Bottleneck: Deep Learning without Back-Propagation
Wan-Duo Kurt Ma, J.P. Lewis, W. Bastiaan Kleijn

145- ML3576: Repetitive Reprediction Deep Decipher for Semi-Supervised Learning
Guo-Hua Wang, Jianxin Wu

146- ML3784: Active Learning with Query Generation for Cost-Effective Text Classification
Yi-Fan Yan, Sheng-Jun Huang, Shaoyi Chen, Meng Liao, Jin Xu

147- ML3834: Automated Spectral Kernel Learning
Jian Li, Yong Liu, Weiping Wang

148- ML3888: Empirical Bounds on Linear Regions of Deep Rectifier Networks
Thiago Serra, Srikan Ramalingam

149- ML3914: Model Watermarking for Image Processing Networks
Ye Zhang, Dongdong Chen, Jing Liao, Han Fang, Weiming Zhang, Wenbo Zhou, Hao Cui, Nenghai Yu
150- ML4292: Ensembles of Locally Independent Prediction Models
Andrew Slavin Ross, Weiwei Pan, Leo Anthony Celi, Finale Doshi-Velez

Patrick Schwab, Lorenz Linhardt, Stefan Bauer, Joachim M. Buhmann, Walter Karlen

152- ML4305: Event-Driven Continuous Time Bayesian Networks
Debarun Bhattacharjya, Karthikeyan Shanmugam, Tian Gao, Nicholas Mattei, Kush R. Varshney, Dharmashankar Subramanian

153- ML4327: Asking the Right Questions to the Right Users: Active Learning with Imperfect Oracles
Shayok Chakraborty

154- ML4332: Gromov-Wasserstein Factorization Models for Graph Clustering
Hongteng Xu

155- ML4346: Deep Message Passing on Sets
Yifeng Shi, Junier Oliva, Marc Niethammer

156- ML4372: Active Learning in the Geometric Block Model
Eli Chien, Antonia Maria Tulino, Jaime Llorca

157- ML4374: Self-Supervised Learning for Generalizable Out-of-Distribution Detection
Sina Mohseni, Mandar Pitale, JBS Yadawa, Zhangyang Wang

158- ML4398: Adaptive Double-Exploration Tradeoff for Outlier Detection
Xiaojin Zhang, Honglei Zhuang, Shengyu Zhang, Yuan Zhou

159- ML4430: Subset Selection by Pareto Optimization with Recombination
Chao Qian, Chao Bian, Chao Feng

160- ML4434: Diversified Interactive Recommendation with Implicit Feedback
Yong Liu, Yingtai Xiao, Qiong Wu, Chunyan Miao, Juyong Zhang, Binqiang Zhao, Haohong Tang

161- ML4445: Bivariate Beta-LSTM
Kyungwoong Song, Joonho Jang, Seung Jae Shin, Il-Chul Moon

162- ML4500: EC-GAN: Inferring Brain Effective Connectivity via Generative Adversarial Networks
Jinduo Liu, Junzhong Ji, Guangyu Xu, Liuyi Yao, Mengdi Huai, Aidong Zhang

163- ML4519: Tweedie-Hawkes Processes: Interpreting the Phenomena of Outbreaks
Tianbo Li, Yiping Ke

164- ML4545: RIS-GAN: Explore Residual and Illumination with Generative Adversarial Networks for Shadow Removal
Ling Zhang, Chengjiang Long, Xiaokong Zhang, Chunxia Xiao

165- ML4905: iFAN: Image-Instance Full Alignment Networks for Adaptive Object Detection
Chenfan Zhuang, Xintong Han, Weilin Huang, Matthew R. Scott

166- ML4997: A Constraint-Based Approach to Learning and Explanation
Gabriele Ciravegna, Francesco Giannini, Stefano Melacci, Marco Maggini, Marco Gori

167- ML5094: Sequential Recommendation with Relation-Aware Kernelized Self-Attention
Ming Ji, Weonyoung Joo, Kyungwoo Song, Yoon-Yeong Kim, Il-Chul Moon

168- ML5129: The Radial and Directional Posteriors for Bayesian Deep Learning
Changyong Oh, Kamil Adamczewski, Mijung Park

169- ML5250: Sequential Mode Estimation with Oracle Queries
Dhruti Shah, Tuhinangshu Choudhury, Nikhil Karamchandani, Aditya Gopalan

170- ML5293: Weakly Supervised Learning Meets Ride-Sharing User Experience Enhancement
Lan-Zhe Guo, Feng Kuang, Zhang-Xun Liu, Yu-Feng Li, Nan Ma, Xiao-Hu Qie

171- ML5319: Making Existing Clusterings Fairer: Algorithms, Complexity Results and Insights
Ian Davidson, S. S. Ravi

172- ML5443: Abstract Interpretation of Decision Tree Ensemble Classifiers
Francesco Ranzato, Marco Zanella

173- ML5490: A New Burrows Wheeler Transform Markov Distance
Edward Raff, Charles Nicholas, Mark McLean

174- ML5629: Fast and Deep Graph Neural Networks
Claudio Gallicchio, Alessio Micheli

175- ML5659: Federated Patient Hashing
Jie Xu, Zhenxing Xu, Peter Walker, Fei Wang

Ingo Chung, Saehoon Kim, Juho Lee, Kwang Joon Kim, Sung Ju Hwang, Eunho Yang

177- ML5737: Learning Weighted Model Integration Distributions
Paolo Morettin, Samuel Kolb, Stefano Teso, Andrea Passerini

178- ML5771: On Adaptivity in Information-Constrained Online Learning
Siddharth Mitra, Aditya Gopalan

179- ML5802: Hypergraph Label Propagation Network
Yubo Zhang, Nan Wang, Yufeng Chen, Changzoung Zou, Hai Wan, Xinbin Zhao, Yue Gao

180- ML5810: On the Parameterized Complexity of Clustering Incomplete Data into Subspaces of Small Rank
Robert Ganian, Iyad Kanj, Sebastian Ordyniak, Stefan Szeider

181- ML5847: CAG: A Real-Time Low-Cost Enhanced-Robustness High-Transferability Content-Aware Adversarial Attack Generator
Huy Phan, Yi Xie, Siyu Liao, Jie Chen, Bo Yuan

182- ML5855: Integrating Overlapping Datasets Using Bivariate Causal Discovery
Anish Dhir, Ciarán M. Lee

183- ML5873: Temporal Pyramid Recurrent Neural Network
Qianli Ma, Zhenxi Lin, Enhuan Chen, Garrison W. Cottrell
184- ML5880: Generalization Error Bounds of Gradient Descent for Learning Over-Parameterized Deep ReLU Networks
Yuan Cao, Quanquan Gu

185- ML5933: Non-Local U-Nets for Biomedical Image Segmentation
Zhengyang Wang, Na Zou, Dinggang Shen, Shuiwang Ji

186- ML6040: Nonlinear Mixup: Out-Of-Manifold Data Augmentation for Text Classification
Hongyu Guo

187- ML6087: Local Regularizer Improves Generalization
Yikai Zhang, Hui Qu, Dimitris Metaxas, Chao Chen

188- ML6094: Efficient Algorithms for Generating Provably Near-Optimal Cluster Descriptors for Explainability
Prathyush Sambaturu, Aparna Gupta, Ian Davidson, S. S. Ravi, Anil Vallikanti, Andrew Warren

189- ML6126: More Accurate Learning of k-DNF Reference Classes
Brendan Juba, Hengxuan Li

190- ML6158: Specifying Weight Priors in Bayesian Deep Neural Networks with Empirical Bayes
Ranganath Krishnan, Mahesh Subedar, Omesh Tickoo

191- ML6201: Detecting Semantic Anomalies
Faruk Ahmed, Aaron Courville

192- ML6315: Information-Theoretic Understanding of Population Risk Improvement with Model Compression
Yuheng Bu, Weihao Gao, Shaofeng Zou, Venugopal V. Veeravalli

193- ML6321: Rank Aggregation via Heterogeneous Thurstone Preference Models
Tao Jin, Pan Xu, Quanquan Gu, Farzad Farnoud

194- ML6337: Relation Inference among Sensor Time Series in Smart Buildings with Metric Learning
Shuheng Li, Dezhong Hong, Hongning Wang

195- ML6350: One-Shot Image Classification by Learning to Restore Prototypes
Wanqi Xue, Wei Wang

196- ML6537: On the Learning Property of Logistic and Softmax Losses for Deep Neural Networks
Xiangrui Li, Xin Li, Deng Pan, Dongchao Zhu

197- ML6640: Multi-View Partial Multi-Label Learning with Graph-Based Disambiguation
Ze-Sen Chen, Xuan Wu, Qing-Guo Chen, Yao Hu, Min-Ling Zhang

198- ML6872: New Interpretations of Normalization Methods in Deep Learning
Jiacheng Sun, Xiangyong Gao, Hanwen Liang, Weiran Huang, Zewei Chen, Zhenguo Li

199- ML6985: Revisiting Probability Distribution Assumptions for Information Theoretic Feature Selection
Yuan Sun, Wei Wang, Michael Irkley, Xiaodong Li, Jeffrey Chan

200- ML7742: Efficient Facial Feature Learning with Wide Ensemble-Based Convolutional Neural Networks
Henrique Siqueira, Sven Magg, Stefan Wermter

201- ML7950: Robust Federated Learning via Collaborative Machine Teaching
Yufei Han, Xiangliang Zhang

202- ML7983: HLHLP: Quantized Neural Networks Training for Reaching Flat Minima in Loss Surface
Sungho Shin, Jinhwan Park, Yoonho Boo, Wonyong Sung

203- ML8171: Explainable Data Decompositions
Sebastian Dalleiger, Jilles Veenken

204- ML8198: DNNs as Layers of Cooperating Classifiers
Marelie H. Davel, Marthinus W. Theunissen, Arnold M. Pretorius, Etienne Barnard

205- ML8336: ASAP: Adaptive Structure Aware Pooling for Learning Hierarchical Graph Representations
Ekagra Ranjan, Soumya Sanyal, Partha Talukdar

206- ML8480: Benign Examples: Imperceptible Changes Can Enhance Image Translation Performance
Vignesh Srinivasan, Klaus-Robert Müller, Wojciech Samek, Shinichi Nakajima

Ning Liu, Xiaolong Ma, Zhiyuan Xu, Yanzi Wang, Jian Tang, Jieping Ye

208- ML8786: A Knowledge Transfer Framework for Differentially Private Sparse Learning
Lingxiao Wang, Quanquan Gu

209- ML8794: Sanity Checks for Saliency Metrics
Richard Tomsett, Dan Harborne, Supriyo Chakraborty, Prudhvi Gurram, Alan Preece

210- ML8833: Efficient Projection-Free Online Methods with Stochastic Recursive Gradient
Jiahao Xie, Zebang Shen, Chao Zhang, Boyu Wang, Hui Qian

211- ML9085: Justification-Based Reliability in Machine Learning
Nurli Virani, Naresh Iyer, Zhaoquan Yang

212- ML9152: Trading-Off Static and Dynamic Regret in Online Least-Squares and Beyond
Jianjun Yuan, Andrew Lamperski

213- ML9321: Tandem Inference: An Out-of-Core Streaming Algorithm For Very Large-Scale Relational Inference
Sriram Srinivasan, Eriq Augustine, Lise Getoor

214- ML9361: Fairness in Network Representation by Latent Structural Heterogeneity in Observational Data
Xin Du, Yulong Pan, Wouter Duijvestein, Mykola Pechenizkiy

215- ML9381: Morphism-Based Learning for Structured Data
Kihan Shin, David Lawrence Shepard

216- ML9451: An Information-Theoretic Quantification of Discrimination with Exempt Features
Sanghamitra Dutta, Praveen Venkatesh, Piotr Mardziel, Anupam Datta, Pulkit Grover

217- ML9650: Active Ordinal Querying for Tuplewise Similarity Learning
Gregory Canal, Stefano Fenu, Christopher Rozell

218- ML9690: Compact Autoregressive Network
Di Wang, Feiqing Huang, Jingyu Zhao, Guodong Li, Guangjian Tian
219- ML9876: Contextual-Bandit Based Personalized Recommendation with Time-Varying User Interests
Xiao Xu, Fang Dong, Yanghua Li, Shaojian He, Xin Li

220- ML9992: Uncertainty Aware Graph Gaussian Process for Semi-Supervised Learning
Zhao-Yang Liu, Shao-Yuan Li, Songcan Chen, Yao Hu, Sheng-Jun Huang

221- ML10209: Scalable Variational Bayesian Kernel Selection for Sparse Gaussian Process Regression
Tong Peng, Jie Chen, Yehong Zhang, Bryan Kian Hsiang Low

222- ML10287: Stochastically Robust Personalized Ranking for LSH Recommendation Retrieval
Dung D. Le, Hady W. Lauw

223- ML10447: Meta-Learning PAC-Bayes Priors in Model Averaging
Yimin Huang, Weiran Huang, Liang Li, Zhenguo Li

Natural Language Processing (NLP)

224- NLP902: Aspect-Aware Multimodal Summarization for Chinese E-Commerce Products
Haoran Li, Peng Yuan, Song Xu, Youzheng Wu, Xiaodong He, Bowen Zhou

225- NLP1603: An Iterative Polishing Framework Based on Quality Aware Masked Language Model for Chinese Poetry Generation
Liming Deng, Jie Wang, Hangming Liang, Hui Chen, Zhiqiang Xie, Bojin Zhuang, Shaojun Wang, Jing Xiao

226- NLP1623: Neural Machine Translation with Byte-Level Subwords
Changhan Wang, Kyunghyun Cho, Jiatao Gu

227- NLP1834: Leveraging Multi-Token Entities in Document-Level Named Entity Recognition
Anwen Hu, Zhicheng Dou, Jian-Yun Nie, Ji-Rong Wen

228- NLP1894: Multi-Point Semantic Representation for Intent Classification
Jinghan Zhang, Yuxiao Ye, Yue Zhang, Likun Qu, Bin Fu, Yang Li, Zhengyu Yang, Jian Sun

229- NLP2087: Parsing as Pretraining
David Vilàres, Michalina Strzysz, Anders Søgaard, Carlos Gómez-Rodríguez

230- NLP2096: Weakly-Supervised Opinion Summarization by Leveraging External Information
Chao Zhao, Snigdha Chatturvedi

231- NLP2217: Hashing Based Answer Selection
Dong Xu, Wu-Jun Li

232- NLP2531: Fine-Grained Named Entity Typing over Distantly Supervised Data Based on Refined Representations
Muhammad Asif Ali, Yifang Sun, Bing Li, Wei Wang

233- NLP2547: ReCO: A Large Scale Chinese Reading Comprehension Dataset on Opinion
Bingning Wang, Ting Yao, Qi Zhang, Jinfang Xu, Xiaochuan Wang

234- NLP2888: On the Generation of Medical Question-Answer Pairs
Sheng Shen, Yaliang Li, Nan Du, Xian Wu, Yusheng Xie, Shen Ge, Tao Yang, Kai Wang, Xingzheng Liang, Wei Fan

Dacheng Yin, Chong Luo, Zhiwei Xiong, Wenjun Zeng

236- NLP3209: Dynamic Reward-Based Dueling Deep Dyna-Q: Robust Policy Learning in Noisy Environments
Yangyang Zhao, Zhenyu Wang, Kai Yin, Rui Zhang, Zhenhua Huang, Pei Wang

237- NLP3296: Capturing Sentence Relations for Answer Sentence Selection with Multi-Perspective Graph Encoding
Zhixing Tian, Yuanzhe Zhang, Xinwei Feng, Wenbin Jiang, Yajuan Lyu, Kang Liu, Jun Zhao

238- NLP3325: Boundary Enhanced Neural Span Classification for Nested Named Entity Recognition
Chuanqi Tan, Wei Qiu, Mosha Chen, Rui Wang, Fei Huang

239- NLP3369: MTSS: Learn from Multiple Domain Teachers and Become a Multi-Domain Dialogue Expert
Shuke Peng, Feng Ji, Zehao Lin, Shaobo Cui, Hakiing Chen, Yin Zhang

240- NLP3574: Replicate, Walk, and Stop on Syntax: an Effective Neural Network Model for Aspect-Level Sentiment Classification
Yaowei Zheng, Richong Zhang, Samuel Mensah, Yongyi Mao

241- NLP3632: IntroVNMT: An Introspective Model for Variational Neural Machine Translation
Xin Sheng, Linli Xu, Junliang Guo, Jingchang Liu, Ruoyu Zhao, Yinlong Xu

242- NLP3657: Segment-then-Rank: Non-Factoid Question Answering on Instructional Videos
Kyunjae Lee, Nan Duan, Lei Ji, Jason Li, Seung-won Hong

243- NLP3736: Fact-Aware Sentence Split and Rephrase with Permutation Invariant Training
Yinuo Guo, Tao Ge, Furu Wei

244- NLP3770: Latent-Variable Non-Autoregressive Neural Machine Translation with Deterministic Inference Using a Delta Posterior
Raphael Shu, Jason Lee, Hideki Nakayama, Kyunghyun Cho

245- NLP3868: Improving Neural Relation Extraction with Positive and Unlabeled Learning
Zhengjue He, Wenliang Chen, Yuyi Wang, Wei Zhang, Guanchun Wang, Min Zhang

246- NLP3919: Learning Multi-Level Dependencies for Robust Word Recognition
Zhiwei Wang, Hui Liu, Jiliang Tang, Songfan Yang, Gale Yan Huang, Zitao Liu

247- NLP4128: Dynamic Embedding on Textual Networks via a Gaussian Process
Pengyu Cheng, Yitong Li, Xinyuan Zhang, Liqun Chen, David Carlson, Lawrence Carin

248- NLP4249: Privacy Enhanced Multimodal Neural Representations for Emotion Recognition
Mimane Jaiswal, Emily Mower Provost

249- NLP4304: Improving Context-Aware Neural Machine Translation Using Self-Attentive Sentence Embedding
Hyemyu Yun, Yongkeun Hwang, Kyomin Jung

250- NLP4347: Embedding Compression with Isotropic Iterative Quantization
Siyu Liao, Jie Chen, Yanzhi Wang, Qinru Qiu, Bo Yuan
251- NLP4350: Controlling Neural Machine Translation
Formality with Synthetic Supervision
Xing Niu, Marine Carpuat

252- NLP4412: CopyMTL: Copy Mechanism for Joint Extraction of Entities and Relations with Multi-Task Learning
Daojian Zeng, Haoran Zhang, Qianying Liu

253- NLP4420: LATTE: Latent Type Modeling for Biomedical Entity Linking
Ming Zhu, Buira Celikkaya, Parminder Bhatia, Chandan K. Reddy

254- NLP4613: Explicit Sentence Compression for Neural Machine Translation
Zuqiao Li, Rui Wang, Rehai Chen, Masao Utiyama, Eiichiro Sumita, Zhuosheng Zhang, Hai Zhao

255- NLP4824: FPETS: Fully Parallel End-to-End Text-to-Speech System
Dabiao Ma, Zhiha Su, Wemuan Wang, Yuhao Lu

256- NLP4888: Image Enhanced Event Detection in News Articles
Meihan Tong, Shuai Wang, Yixin Cao, Bin Xu, Juaizi Li, Lei Hou, Tat-Seng Chua

257- NLP5015: Enhanced Meta-Learning for Cross-Lingual Named Entity Recognition with Minimal Resources
Qianhu Wu, Zijia Lin, Guoxin Wang, Hui Chen, Börje F. Karlsson, Biqiang Huang, Chin-Yew Lin

258- NLP5017: Global Greedy Dependency Parsing
Zuqiao Li, Hai Zhao, Kevin Parnow

259- NLP5343: RobuTrans: a Robust Transformer-Based Text-to-Speech Model
Naihan Li, Yanqing Liu, Yu Wu, Shujie Liu, Sheng Zhao, Ming Liu

260- NLP5511: The Value of Paraphrase for Knowledge Base Predicates
Bingcong Xue, Sen Hu, Lei Zou, Jiashu Cheng

261- NLP5515: Modelling Semantic Categories Using Conceptual Neighborhood
Zied Bourouai, Jose Camacho-Collados, Luis Espinosa-Anke, Steven Schockaert

262- NLP5584: A Large-Scale Dataset for Argument Quality Ranking: Construction and Analysis
Shai Gretz, Roni Friedman, Edo Cohen-Karlik, Assaf Toledo, Dan Lahav, Ranit Aharonov, Noam Slonim

263- NLP5587: Working Memory-Driven Neural Networks with a Novel Knowledge Enhancement Paradigm for Implicit Discourse Relation Recognition
Fengyu Guo, Rufang He, Jianwu Dang, Jian Wang

264- NLP5598: TRENDNERT: A Benchmark for Trend and Downtrend Detection in a Scientific Domain
Alena Moiseeva, Hinrich Schütze

265- NLP5727: JEC-QA: A Legal-Domain Question Answering Dataset
Haomi Zheng, Chaojun Xiao, Cunchao Tu, Tianyang Zhang, Zhiyuan Liu, Maosong Sun

266- NLP5916: Robust Named Entity Recognition with Truecasing Pretraining
Stephen Mayhew, Nitish Gupta, Dan Roth

267- NLP6053: Just Add Functions: A Neural-Symbolic Language Model
David Demeter, Doug Downey

268- NLP6253: Weakly Supervised POS Taggers Perform Poorly on Truly Low-Resource Languages
Katharina Kann, Ophélie Lacroix, Anders Søgaard

269- NLP6280: Q-BERT: Hessian Based Low Precision Quantization of BERT
Sheng Shen, Zhen Dong, Jiayu Ye, Linjian Ma, Zhewei Yao, Amir Gholami, Michael W. Mahoney, Kurt Keutzer

270- NLP6346: HAMNER: Headword Amplified Multi-Span Distantly Supervised Method for Domain Specific Named Entity Recognition
Shifeng Liu, Yifang Sun, Bing Li, Wei Wang, Xiang Zhao

271- NLP6564: Automatic Generation of Headlines for Online Math Questions
Ke Yuan, Dafang He, Zhiwen Jiang, Liangcai Gao, Zhi Tang, C. Lee Giles

272- NLP6672: Neural Semantic Parsing in Low-Resource Settings with Back-Translation and Meta-Learning
Yibo Sun, Duyu Tang, Nan Duan, Yeyun Gong, Xiaocheng Feng, Bing Qin, Daxin Jiang

273- NLP6792: Why Attention? Analyze BiLSTM Deficiency and Its Remedies in the Case of NER
Peng-Hsuan Li, Tsu-Jui Fu, Wei-Yun Ma

274- NLP6844: Deep Residual-Dense Lattice Network for Speech Enhancement
Mohammad Nikzad, Aaron Nicolson, Yongsheng Gao, Jun Zhou, Kuldp K. Pilliwal, Fanhua Shang

275- NLP6878: Knowledge-Enriched Visual Storytelling
Chao-Chun Hsu, Zhi-Yuan Chen, Chi-Yang Hsu, Chih-Chia Li, Tzu-Yuan Lin, Ting-Hao (Kenneth) Huang, Lun-Wei Ku

276- NLP6894: Entrainment2Vec: Embedding Entrainment for Multi-Party Dialogues
Zahra Rahimi, Diane Litman

277- NLP7000: Adapting Language Models for Non-Parallel Author-Stylized Rewriting
Bakhtiyar Syed, Gaurav Verma, Balaji Vasan Srinivasan, Anandavelu Natarajan, Vasudeva Varma

278- NLP7014: Is BERT Really Rough? A Strong Baseline for Natural Language Attack on Text Classification and Entailment
Di Jin, Zhiqing Jin, Joey Tianyi Zhou, Pete Szolovits

279- NLP7053: Understanding the Semantic Content of Sparse Word Embeddings Using a Commonsense Knowledge Base
Vanda Balogh, Gábor Berend, Dimitrios I. Diochnos, György Turán

280- NLP7143: Filling Conversation Ellipsis for Better Social Dialog Understanding
Xiyuan Zhang, Chengxi Li, Dian Yu, Samuel Davidson, Zhou Yu

281- NLP7285: Back to the Future – Sequential Alignment of Text Representations
Johannes Bjerva, Wouter M. Kouw, Isabelle Augenstein

282- NLP7327: Hierarchical Contextualized Representation for Named Entity Recognition
Ying Luo, Fengshun Xiao, Hai Zhao
283- NLP7400: Two Birds with One Stone: Investigating Invertible Neural Networks for Inverse Problems in Morphology
Gözde Gül Şahin, Iryna Gurevych

284- NLP7419: Syntactically Look-Ahead Attention Network for Sentence Compression
Hidetaka Kamigaito, Manabu Okumura

285- NLP7453: Generating Diverse Translation by Manipulating Multi-Head Attention
Zewei Sun, Shujian Huang, Hao-Ran Wei, Xin-yu Dai, Jiajun Chen

286- NLP7473: Learning to Map Frequent Phrases to Sub-Structures of Meaning Representation for Neural Semantic Parsing
Bo Chen, Xianpei Han, Ben He, Le Sun

287- NLP7626: Task-Oriented Dialog Systems That Consider Multiple Appropriate Responses under the Same Context
Yichi Zhang, Zhijian Ou, Zhou Yu

288- NLP7695: Towards Making the Most of BERT in Neural Machine Translation
Jiacheng Yang, Mingxuan Wang, Hao Zhou, Chengqi Zhao, Weinan Zhang, Yong Yu, Lei Li

289- NLP7819: Integrating Relation Constraints with Neural Relation Extractors
Yuan Ye, Yansong Feng, Bingfeng Luo, Yuxuan Lai, Dongyan Zhao

290- NLP7849: Deep Attentive Ranking Networks for Learning to Order Sentences
Pawan Kumar, Dhamajit Brahma, Harish Karnick, Piyush Rai

291- NLP7898: Two-Level Transformer and Auxiliary Coherence Modeling for Improved Text Segmentation
Goran Glavas, Swapna Somasundaran

292- NLP7916: Rethinking Generalization of Neural Models: A Named Entity Recognition Case Study
Jinlan Fu, Pengfei Liu, Qi Zhang

293- NLP7979: End-to-End Bootstrapping Neural Network for Entity Set Expansion
Lingyong Yan, Xianpei Han, Ben He, Le Sun

294- NLP8219: Knowledge Distillation from Internal Representations
Gustavo Aguilar, Yuan Ling, Yu Zhang, Benjamin Yao, Xing Fan, Chenlei Guo

KyungTae Lim, Jay Yoon Lee, Jaime Carbonell, Thierry Poibeau

296- NLP8408: DMRM: A Dual-Channel Multi-Hop Reasoning Model for Visual Dialog
Feilong Chen, Fandong Meng, Jiaming Xu, Peng Li, Bo Xu, Jie Zhou

297- NLP8623: Distributed Representations for Arithmetic Word Problems
Sowmya S Sundaram, Deepak P, Savitha Sam Abraham

298- NLP8632: Zero-Shot Text-to-SQL Learning with Auxiliary Task
Shuaichen Chang, Pengfei Liu, Yun Tang, Jing Huang, Xiaodong He, Bowen Zhou

299- NLP8664: A Comparison of Architectures and Pretraining Methods for Contextualized Multilingual Word Embeddings
Niels van der Heijden, Samira Abnar, Ekaterina Shutova

300- NLP8911: MA-DST: Multi-Attention-Based Scalable Dialog State Tracking
Adarsh Kumar, Peter Ku, Anuj Kumar Goyal, Angeliki Metallinou, Dilek Hakkani-tür

301- NLP8918: Hierarchical Reinforcement Learning for Open-Domain Dialog
Abdelrhaman Saleh, Natasha Jaques, Asma Ghandeharioun, Judy Hanwen Shen, Rosalind Picard

302- NLP8941: PIQA: Reasoning about Physical Commonsense in Natural Language
Yonatan Bisk, Rowan Zellers, Ronan Le Bras, Jianfeng Gao, Yejin Choi

303- NLP9267: Automatic Fact-Guided Sentence Modification
Darsh J Shah, Tal Schuster, Regina Barzilay

304- NLP9286: Emu: Enhancing Multilingual Sentence Embeddings with Semantic Specialization
Wataru Hirota, Yoshihiko Suhara, Behzad Golshan, Wang-Chiew Tan

305- NLP9347: Fine-Grained Entity Typing for Domain Independent Entity Linking
Yasumasa Ono, Greg Durrett

306- NLP9360: Sequence Generation with Optimal-Transport-Enhanced Reinforcement Learning
Liqun Chen, Ke Bai, Chenyang Tao, Yizhe Zhang, Guoyin Wang, Wenlin Wang, Ricardo Henao, Lawrence Carin

307- NLP9366: Learning Efficient Representations for Fake Speech Detection
Nishant Subramani, Delip Rao

308- NLP9382: Towards Zero-Shot Learning for Automatic Phonemic Transcription
Xinjian Li, Siddharth Dalmia, David R. Mortensen, Juncheng Li, Alan W. Black, Florian Metze

309- NLP9702: Monolingual Transfer Learning via Bilingual Translators for Style-Sensitive Paraphrase Generation
Tomoyuki Kajiwara, Biwa Miura, Yuki Arase

310- NLP9757: Probing Natural Language Inference Models through Semantic Fragments
Kyle Richardson, Hai Hu, Lawrence S. Moss, Ashish Sabharwal

311- NLP9812: Hierarchical Attention Network with Pairwise Loss for Chinese Zero Pronoun Resolution
Peiqin Lin, Meng Yang

AAAI-20 Outstanding Paper Award

312- NLP9842: WINORIGANDE: An Adversarial Winograd Schema Challenge at Scale
Keisuke Sakaguchi, Ronan Le Bras, Chandra Bhagavatula, Yejin Choi

313- NLP9947: Recursively Binary Modification Model for Nested Named Entity Recognition
Bing Li, Shifeng Liu, Yifang Sun, Wei Wang, Xiang Zhao

314- NLP10036: Effective Modeling of Encoder-Decoder Architecture for Joint Entity and Relation Extraction
Tapas Nayak, Hwee Tou Ng
Planning, Routing, and Scheduling (PRS)

317- PRS647: Information Shaping for Enhanced Goal Recognition of Partially-Involved Agents
Sarah Keren, Hai Feng Xu, Kofi Kwapong, David Parkes, Barbara Grosz

318- PRS898: Automated Synthesis of Social Laws in STRIPS
Ronen Nir, Alexander Shleymaf, Erez Karpas

319- PRS1030: Computing Superior Counter-Examples for Conformant Planning
Xiaodong Zhang, Alban Grastien, Enrico Scala

320- PRS2111: POP=PQCL, right? Complexity Results for Partial Order (Causal Link) Makespan Minimization
Pascal Bercher, Conny Olf

321- PRS4335: HDPL: An Extension to PDDL for Exressing Hierarchical Planning Problems
Daniel Höller, Gregor Behnke, Pascal Bercher, Susanne Biundo, Humbert Fiorino, Damien Pellier, Ron Alford

322- PRS5925: Semantic Attachments for HTN Planning
Mauricio Cecilio Magnaguagno, Felipe Meneguzzi

Robots (ROB)

323- ROB596: Visual-Tactile Fusion Object Clustering
Tao Zhang, Yang Cong, Gan Sun, Qianqian Wang, Zhengming Ding

324- ROB2276: NeoNav: Improving the Generalization of Visual Navigation via Generating Next Expected Observations
Qiaoyun Wu, Dinesh Manocha, Jun Wang, Kai Xu

325- ROB3862: Adversarial Fence Patrolling: Non-Uniform Policies for Asymmetric Environments
Yaniv Oshrat, Noa Agmon, Sarit Kraus

326- ROB4262: On the Problem of Covering a 3-D Terrain
Eduard Eiben, Isuru S. Godage, Iyad Kanj, Ge Xia

327- ROB4370: Dempster-Shafer Theoretic Learning of Indirect Speech Act Comprehension Norms
Ruchen Wen, Mohammed Aun Siddiqui, Tom Williams

328- ROB4477: RoboCoDraw: Robotic Avatar Drawing with GAN-Based Style Transfer and Time-Efficient Path Optimization
Tianjiao Wang, Wei Qi Toh, Hao Zhang, Xinrui Su, Shaohua Li, Yong Liu, Wei Jing

329- ROB6907: Long-Term Loop Closure Detection through Visual-Spatial Information Preserving Multi-Order Graph Matching
Peng Gao, Hao Zhang

330- ROB8781: Modular Robot Design Synthesis with Deep Reinforcement Learning
Julian Whitman, Ranaam Bhrang, Matthew Travers, Howie Choset

331- ROB9296: Learning from Interventions Using Hierarchical Policies for Safe Learning
Jing Bi, Vikas Dhiman, Tianyou Xiao, Chenliang Xu

332- ROB9192: That and There: Judging the Intent of Pointing Actions with Robotic Arms
Malike Alkhani, Babar Khalid, Rahul Shome, Chaitanya Mitash, Kostas Bekris, Matthew Stone

333- RU690: A MaxSAT-Based Framework for Group Testing
Lorenzo Ciampiconi, Bishwantrit Ghosh, Jonathan Scarlett, Kuldeep Meel

334- RU1222: Few-Shot Bayesian Imitation Learning with Logical Program Policies
Tom Silver, Kelsey R. Allen, Alex K. Lew, Leslie Kaelbling, Josh Tenenbaum

335- RU3429: Distributionally Robust Counterfactual Risk Minimization
Louis Faury, Ugo Tanielian, Elvis Dohmatob, Elena Smirnova, Flavian Vasily

336- RU4351: Optimizing Discrete Spaces via Expensive Evaluations: A Learning to Search Framework
Aryan Deshwal, Syrine Belakaria, Janardhan Rao Doppa, Alan Fern

337- RU4492: Learning Fair Naïve Bayes Classifiers by Discovering and Eliminating Discrimination Patterns
Yoojung Choi, Gohosh Farnadi, Behrouz Babali, Guy Van den Broeck

338- RU5918: An Efficient Algorithm for Counting Markov Equivalent DAGs
Robert Ganian, Thelka Hamm, Topi Talvitie

339- RU6025: A New Framework for Online Testing of Heterogeneous Treatment Effect
Miao Yu, Wenbin Lu, Rui Song

340- RU7478: Parallel AND/OR Search for Marginal MAP
Radu Marinescu, Akhihiro Kishimoto, Adi Botea

341- RU8893: Low-Variance Black-Box Gradient Estimates for the Plackett-Luce Distribution
Artym Gadetsky, Kirill Struminsky, Christopher Robinson, Novi Quadrianto, Dmitry Vetrov

342- RU9228: Probabilistic Reasoning across the Causal Hierarchy
Diligur Ibeling, Thomas Icard

Vision (VIS)

343- VIS126: Deep Generative Probabilistic Graph Neural Networks for Scene Graph Generation
Mahmoud Khademi, Oliver Schulte

344- VIS131: Reinforcing an Image Caption Generator Using Off-Line Human Feedback
Paul Hongseok Seo, Piyush Sharma, Tomer Levinboim, Bohyung Han, Radu Soricut

345- VIS171: 3D Crowd Counting via Multi-View Fusion with 3D Gaussian Kernels
Qi Zhang, Antoni B. Chan

346- VIS206: PsyNet: Self-Supervised Approach to Object Localization using Point Symmetric Transformation
Kyungjune Baek, Minhyun Lee, Hyunjung Shim

347- VIS296: Cascading Convolutional Color Constancy
Huanglin Yu, Ke Chen, Kaiqi Wang, Yanlin Qian, Zhaoxiang Zhang, Kui Jia
355- V3S523: Learning to Transfer: Unsupervised Domain Translation via Meta-Learning
Jianxin Lin, Yijun Wang, Zhibo Chen, Tianyu He

356- V3S525: Leveraging Multi-View Image Sets for Unsupervised Intrinsic Image Decomposition and Highlight Separation
Renjiao Yi, Ping Tan, Stephen Lin

357 - V3S552: Learning to Deblur Face Images via Sketch Synthesis
Songnan Lin, Jiawei Zhang, Jinshan Pan, Yicun Liu, Yongtian Wang, Jing Chen, Jimmy Ren

358 - V3S561: Uncertainty-Aware Multi-Shot Knowledge Distillation for Image-based Object Re-identification
Xin Jin, Cuiling Lan, Wenjun Zeng, Zhibo Chen

359- V3S578: Real-Time Scene Text Detection with Differentiable Binarization
Minghui Liao, Zhaoyi Wan, Gong Yao, Kai Chen, Xiang Bai

360- V3S589: FASTER Recurrent Networks for Efficient Video Classification
Linchao Zhu, Du Tran, Laura Sevilla-Lara, Yi Yang, Matt Feiszli, Heng Wang

361- V3S682: Tree-Structured Policy Based Progressive Reinforcement Learning for Temporally Language Grounding in Video
Jie Wu, Guanbin Li, Si Liu, Liang Lin

362 - V3S797: Complementary-View Multiple Human Tracking
Ruize Han, Wei Feng, Jiewen Zhao, Zicheng Niu, Yuyun Zhang, Liang Wan, Song Wang

Damien Teney, Peng Wang, Jiewei Gao, Lingqiao Liu, Chunhua Shen, Anton van den Hengel

349 - V3S345: TANet: Robust 3D Object Detection from Point Clouds with Triple Attention
Zhe Liu, Xin Zhao, Tengteng Huang, Ruolan Hu, Yu Zhou, Xiang Bai

350 - V3S362: Unified Vision-Language Pre-Training for Image Captioning and VQA
Luowei Zhou, Hamid Palangi, Lei Zhang, Houdong Hu, Jason J. Corso, Jianfeng Gao

351 - V3S378: Mis-Classified Vector Guided Softmax Loss for Face Recognition
Xiaobo Wang, Shifeng Zhang, Shuo Wang, Tianyu Fu, Hailin Shi, Tao Mei

352 - V3S398: MULE: Multimodal Universal Language Embedding
Donghyun Kim, Kuniai Saito, Kate Saenko, Stan Sclaroff, Bryan A. Plummer

353 - V3S419: Learning Meta Model for Zero- and Few-shot Face Anti-spoofing
Yunxia Qin, Chenxu Zhao, Xiangyu Zhu, Zezheng Wang, Zitong Yu, Tianyu Fu, Feng Zhou, Jingping Shi, Zhen Lei

354 - V3S434: RDSNet: A New Deep Architecture for Reciprocal Object Detection and Instance Segmentation
Shaozu Wang, Yongchao Gong, Junliang Xing, Lichao Huang, Chang Huang, Weiming Hu

355 - V3S523: Learning to Transfer: Unsupervised Domain Translation via Meta-Learning
Jianxin Lin, Yijun Wang, Zhibo Chen, Tianyu He

356- V3S525: Leveraging Multi-View Image Sets for Unsupervised Intrinsic Image Decomposition and Highlight Separation
Renjiao Yi, Ping Tan, Stephen Lin

357 - V3S552: Learning to Deblur Face Images via Sketch Synthesis
Songnan Lin, Jiawei Zhang, Jinshan Pan, Yicun Liu, Yongtian Wang, Jing Chen, Jimmy Ren

358 - V3S561: Uncertainty-Aware Multi-Shot Knowledge Distillation for Image-based Object Re-identification
Xin Jin, Cuiling Lan, Wenjun Zeng, Zhibo Chen

359 - V3S578: Real-Time Scene Text Detection with Differentiable Binarization
Minghui Liao, Zhaoyi Wan, Gong Yao, Kai Chen, Xiang Bai

360 - V3S589: FASTER Recurrent Networks for Efficient Video Classification
Linchao Zhu, Du Tran, Laura Sevilla-Lara, Yi Yang, Matt Feiszli, Heng Wang

361 - V3S682: Tree-Structured Policy Based Progressive Reinforcement Learning for Temporally Language Grounding in Video
Jie Wu, Guanbin Li, Si Liu, Liang Lin

362 - V3S797: Complementary-View Multiple Human Tracking
Ruize Han, Wei Feng, Jiewen Zhao, Zicheng Niu, Yuyun Zhang, Liang Wan, Song Wang

363 - V3S825: FDN: Feature Decoupling Network for Head Pose Estimation
Hao Zhang, Mengmeng Wang, Yong Liu, Yi Yuan

364 - V3S893: Text Perceptron: Towards End-to-End Arbitrary-Shaped Text Spotting
Liang Qiao, Sanli Tang, Zhanzhan Cheng, Yunlu Xu, Yi Niu, Shilang Pu, Fei Wu

365 - V3S1130: TextScanner: Reading Characters in Order for Robust Scene Text Recognition
Zhaoyi Wan, Minghang He, Haoran Chen, Xiang Bai, Cong Yao

366 - V3S1173: CIAN: Cross-Image Affinity Net for Weakly Supervised Semantic Segmentation
Junsong Fan, Xiaoliang Zhang, Tieqiu Tan, Chunfeng Song, Jun Xiao

367 - V3S1175: Web-Supervised Network with Softly Update-Drop Training for Fine-Grained Visual Classification
Chuanqi Zhang, Yanzhou Yao, Huafeng Liu, Guo-Sen Xie, Xiangbo Shu, Tianfei Zhou, Zheng Zhang, Fumin Shen, Zhemin Tang

368 - V3S1178: Channel Interaction Networks for Fine-Grained Image Categorization
Yu Gao, Xintong Han, Xin Wang, Weilin Huang, Matthew R. Scott

369 - V3S1234: SOGNet: Scene Overlap Graph Network for Panoptic Segmentation
Yibo Yang, Hongyang Li, Xia Li, Qiye Zhao, Jianlong Wu, Zhouchen Lin

370 - V3S1305: Overcoming Language Priors in VQA via Decomposed Linguistic Representations
Chencen Jing, Yuwei Wu, Xiaoxun Zhang, Yunde Jia, Qi Wu

371 - V3S1317: Every Frame Counts: Joint Learning of Video Segmentation and Optical Flow
Mingyu Ding, Zhe Wang, Bolei Zhou, Jianping Shi, Zhiwu Lu, Ping Luo

372 - V3S1333: Context-Aware Zero-Shot Recognition
Ruotian Luo, Ning Zhang, Bohyun Han, Linjie Yang

373 - V3S1340: SubSpace Capsule Network
Marzieh Edraki, Nazanin Rahnavard, Mubarak Shah

374 - V3S1373: Scale-Wise Convolution for Image Restoration
Yuchen Fan, Jiahui Yu, Ding Liu, Thomas S. Huang

Jialin Gao, Zhiyang Shi, Guanshuo Wang, Jiani Li, Yufeng Yuan, Shiming Ge, Xi Zhou

Lei Zhang, Zhiqiang Lang, Peng Wang, Wei Wei, Shengcai Liao, Ling Shao, Yanning Zhang

377 - V3S1402: MemCap: Memorizing Style Knowledge for Image Captioning
Wentian Zhao, Xinxiao Wu, Xiaoan Zhang

378 - V3S1404: Revisiting Bilinear Pooling: A Coding Perspective
Zhi Gao, Yuwei Wu, Xiaoxun Zhang, Jindou Dai, Yunde Jia, Mehrdad Harandi

379 - V3S1441: FAN-Face: a Simple Orthogonal Improvement to Deep Face Recognition
Jing Yang, Adrian Bulat, Georgios Tzimiropoulos
380- VIS1509: Knowledge Integration Networks for Action Recognition
Shiwen Zhang, Sheng Guo, Limin Wang, Weilin Huang, Matthew R. Scott

381- VIS1511: Joint Commonsense and Relation Reasoning for Image and Video Captioning
Jingyi Hou, Xinliao Wu, Xiaoxun Zhang, Yayun Qi, Yunde Jia, Jiebo Luo

382- VIS1515: Coarse-to-Fine Hyper-Prior Modeling for Learned Image Compression
Yuexian Hou, Wenhan Yang, Jiaying Liu

383- VIS1551: Learning End-To-End Scene Flow by Distilling Single Tasks Knowledge
Filippo Aleotti, Matteo Poggi, Fabio Tosi, Stefano Mattoccia

384- VIS1591: Learning Cross-Modal Context Graph Networks for Visual Grounding
Yongfei Liu, Bo Wan, Xiaodan Zhu, Xuming He

385- VIS1648: Spatial-Temporal Multi-Cue Network for Continuous Sign Language Recognition
Hao Zhou, Wengang Zhou, Yun Zhou, Houqiang Li

386- VIS1685: Dynamic Sampling Network for Semantic Segmentation
Bin Fu, Junjun He, Zhengfu Zhang, Yu Qiao

387- VIS1710: Adaptive Two-Dimensional Embedded Image Clustering
Zhihui Li, Lina Yao, Sen Wang, Saisi Kanhere, Xue Li, Huaxiang Zhang

388- VIS1752: Temporal Context Enhanced Feature Aggregation for Video Object Detection
Fei He, Naiyu Gao, Qiaoze Li, Senyao Du, Xin Zhao, Kaiqi Huang

389- VIS1771: Detecting Human-Object Interactions via Functional Generalization
Ankan Bansal, Sai Sakeeth Rambhatla, Abhinav Shrivastava, Rama Chellappa

390- VIS1857: Towards Ghost-Free Shadow Removal via Dual Hierarchical Aggregation Network and Shadow Matting GAN
Xiaodong Cun, Chi-Man Pun, Cheng Shi

391- VIS1950: AutoRemover: Automatic Object Removal for Autonomous Driving Videos
Rong Zhang, Wei Li, Peng Wang, Chenye Guan, Jin Fang, Yuhang Song, Jinhui Yu, Baoquan Chen, Weili Xu, Ruigang Yang

392- VIS2066: Morphing and Sampling Network for Dense Point Cloud Completion
Minghua Liu, Lu Sheng, Sheng Yang, Jing Shao, Shi-Min Hu

393- VIS2085: Weakly-Supervised Video Moment Retrieval via Semantic Completion Network
Zhijie Lin, Zhou Zhao, Zhu Zhang, Qi Wang, Huasheng Liu

394- VIS2126: Learning from Positive and Unlabeled Data without Explicit Estimation of Class Prior
Chenguang Zhang, Yuexian Hou, Yan Zhang

395- VIS2165: RoadTagger: Robust Road Attribute Inference with Graph Neural Networks
Songtao He, Favyen Bastani, Satvat Jagwani, Edward Park, Sofiane Abbar, Mohammad Alizadeh, Hari Balakrishnan, Sanjay Chawla, Samuel Madden, Mohammad Amin Sadeghi

396- VIS2254: Find Objects and Focus on Highlights: Mining Object Semantics for Video Highlight Detection via Graph Neural Networks
Yingying Zhang, Junyu Gao, Xiaoshan Yang, Chang Liu, Yan Li, Changsheng Xu

397- VIS2271: Video Frame Interpolation via Deformable Separable Convolution
Xianhang Cheng, Zhenzhong Chen

398- VIS2362: SSAH: Semi-Supervised Adversarial Deep Hashing with Self-Paced Hard Sample Generation
Sheng Jin, Shangchen Zhou, Yao Liu, Chao Chen, Xiaoshuai Sun, Hongxun Yao, Xian-Sheng Hua

399- VIS2375: Ultrafast Video Attention Prediction with Coupled Knowledge Distillation
Kui Fu, Peipei Shi, Yafei Song, Shiming Ge, Xiangji Lu, Jia Li

400- VIS2441: EFANet: Exchangeable Feature Alignment Network for Arbitrary Style Transfer
Zhijie Wu, Chunjin Song, Yang Zhou, Minglin Gong, Hui Huang

401- VIS2452: A Coarse-to-Fine Adaptive Network for Appearance-Based Gaze Estimation
Yihua Cheng, Shiyou Huang, Fei Wang, Chen Qian, Feng Lu

402- VIS2527: Video Cloze Procedure for Self-Supervised Spatio-Temporal Learning
Dezhao Luo, Chang Liu, Yu Zhou, Dongbao Yang, Can Ma, Qixiang Ye, Weiping Wang

403- VIS2537: Spherical Criteria for Fast and Accurate 360° Object Detection
Pengyu Zhao, Ansheng You, Xiaoming Zhang, Jiaying Liu, Kaigui Bian, Yunhai Tong

404- VIS2541: HAL: Improved Text-Image Matching by Mitigating Visual Semantic Hubs
Fangyu Liu, Rongtian Ye, Xun Wang, Shuaipeng Li

405- VIS2559: EEMEFN: Low-Light Image Enhancement via Edge-Enhanced Multi-Exposure Fusion Network
Minfeng Zhu, Pingbo Pan, Wei Chen, Yi Yang

406- VIS2586: End-To-End Learning of Object Motion Estimation from Retinal Events for Event-Based Object Tracking
Haocheng Chen, David Suter, Qiangiang Wu, Hanzi Wang

407- VIS2618: Tell Me What They’re Holding: Weakly-Supervised Object Detection with Transferable Knowledge from Human-Object Interaction
Daesik Kim, Gujeong Lee, Jisoo Jeong, Nojun Kwak

408- VIS2639: Unpaired Image Enhancement Featuring Reinforcement-Learning-Controlled Image Editing Software
Satoshi Kosugi, Toshihiko Yamasaki

409- VIS2658: Towards Omni-Supervised Face Alignment for Large Scale Unlabeled Videos
Congcong Zhu, Hao Liu, Zhenhua Yu, Xiehong Sun

410- VIS2697: Hide-and-Tell: Learning to Bridge Photo Streams for Visual Storytelling
Yunjae Jung, Dahun Kim, Sanghyun Woo, Kyungsu Kim, Sungjin Kim, In So Kweon
**411- VIS2796: A Variational Autoencoder with Deep Embedding Model for Generalized Zero-Shot Learning**  
Peirong Ma, Xiao Hu

**412- VIS2920: LCD: Learned Cross-Domain Descriptors for 2D-3D Matching**  
Quang-Hieu Pham, Mikaela Angelina Uy, Binh-Son Hua, Duc Thanh Nguyen, Gemma Roig, Sai-Kit Yeung

**413- VIS2940: Appearance and Motion Enhancement for Video-Based Person Re-Identification**  
Shuzhao Li, Huimin Yu, Haoji Hu

**414- VIS2987: Simple Pose: Rethinking and Improving a Bottom-Up Approach for Multi-Person Pose Estimation**  
Jia Li, Wen Su, Zengfu Wang

**415- VIS3008: FusionDN: A Unified Densely Connected Network for Image Fusion**  
Han Xu, Jiayi Ma, Zhuliang Le, Junjun Jiang, Xiaojie Guo

**416- VIS3148: Show, Recall, and Tell: Image Captioning with Recall Mechanism**  
Li Wang, Zechen Bai, Yonghua Zhang, Hongtao Lu

**417- VIS3176: Relation-Aware Pedestrian Attribute Recognition with Graph Convolutional Networks**  
Zichang Tan, Yang Yang, Jun Wan, Guodong Guo, Stan Z Li

**418- VIS3196: JISNet: Joint Instance and Semantic Segmentation of 3D Point Clouds**  
Lin Zhao, Wenbing Tao

**419- VIS3324: PI-RCNN: An Efficient Multi-Sensor 3D Object Detector with Point-Based Attentive Cont-Conv Fusion Module**  
Liang Xie, Chao Xiang, Zhengyu Yu, Guodong Xu, Zheng Yang, Deng Cai, Xiaolei He

**420- VIS3685: Regularized Fine-Grained Meta Face Anti-Spoofing**  
Rui Shao, Xiangyuan Lan, Pong C. Yuen

**421- VIS3688: Fast Learning of Temporal Action Proposal via Dense Boundary Generator**  
Chuming Lin, Jian Li, Yabiao Wang, Ying Tai, Donghao Luo, Zhipeng Cui, Chengjie Wang, Jinlin Li, Feiyue Huang, Rongrong Ji

**422- VIS3731: Learning to Incorporate Structure Knowledge for Image Inpainting**  
Jie Yang, Zhiquan Qi, Yong Shi

**423- VIS3750: 3D Human Pose Estimation via Explicit Compositional Depth Maps**  
Haiping Wu, Bin Xiao

**424- VIS3845: TEINet: Towards an Efficient Architecture for Video Recognition**  
Zhaoyang Liu, Donghao Luo, Yabiao Wang, Limin Wang, Ying Tai, Chengjie Wang, Jinlin Li, Feiyue Huang, Tong Lu

**425- VIS3924: Tracklet Self-Supervised Learning for Unsupervised Person Re-Identification**  
Guile Wu, Xiatian Zhu, Shaoqiang Gong

**426- VIS4022: DGCN: Dynamic Graph Convolutional Network for Efficient Multi-Person Pose Estimation**  
Zhongwei Qiu, Kai Qiu, Jianlong Fu, Dongmei Fu

**427- VIS4029: Visualizing Deep Networks by Optimizing with Integrated Gradients**  
Zhongang Qi, Saeed Khorram, Li Fuxin

**428- VIS4037: Diversity Transfer Network for Few-Shot Learning**  
Mengting Chen, Yuxin Fang, Xinggang Wang, Heng Luo, Yifeng Geng, Xinyu Zhang, Chang Huang, Wenyu Liu, Bo Wang

**429- VIS4042: Pyramid Attention Aggregation Network for Semantic Segmentation of Surgical Instruments**  
Zhen-Liang Ni, Gui-Bin Bian, Guan-An Wang, Xiao-Hu Zhou, Zeng-Guang Hou, Hua-Bin Chen, Xiao-Liang Xie

**430- VIS4059: AWR: Adaptive Weighting Regression for 3D Hand Pose Estimation**  
WeiQing Huang, Pengfei Ren, Jingyu Wang, Qi Qi, Haifeng Sun

**431- VIS4073: Consistent Video Style Transfer via Compound Regularization**  
Wenjing Wang, Jizheng Xu, Li Zhang, Yue Wang, Jiaying Liu

**432- VIS4084: EHSOD: CAM-Guided End-to-End Hybrid-Supervised Object Detection with Cascade Refinement**  
Linpu Fang, Hang Xu, Zhi Li, Sarah Parisot, Zhenguo Li

**433- VIS4484: CSPN++: Learning Context and Resource Aware Convolutional Spatial Propagation Networks for Depth Completion**  
Xinjing Cheng, Peng Wang, Chenye Guan, Ruigang Yang

**434- VIS4548: Auto-GAN: Self-Supervised Collaborative Learning for Medical Image Synthesis**  
Bing Cao, Han Zhang, Nanman Wang, Xinbo Gao, Dinggang Shen

**435- VIS4601: Pyramid Constrained Self-Attention Network for Fast Video Salient Object Detection**  
Yuchao Gu, Lijuan Wang, Ziqin Wang, Yun Liu, Ming-Ming Cheng, Shao-Ping Lu

**436- VIS4633: Visual Relationship Detection with Low Rank Non-Negative Tensor Decomposition**  
Mohammed Haroon Dupty, Zhen Zhang, Wee Sun Lee

**437- VIS4646: Graph-Propagation Based Correlation Learning for Weakly Supervised Fine-Grained Image Classification**  
Zhihui Wang, Shijie Wang, Haofei Li, Zhi Dou, Jianjun Li

**438- VIS4706: Zero-Shot Ingredient Recognition by Multi-Relational Graph Convolutional Network**  
Jingjing Chen, Liangming Pan, Zhipeng Wei, Xiang Wang, Chong-Wah Ngo, Tat-Seng Chua

**439- VIS4711: FISR: Deep Joint Frame Interpolation and Super-resolution with a Multi-Scale Temporal Loss**  
Soo Ye Kim, Jiyoung Oh, Munchurl Kim

**440- VIS4733: Task-Aware Monocular Depth Estimation for 3D Object Detection**  
Xinlong Wang, Wei Yin, Tao Kong, Yuning Jiang, Lei Li, Chunhua Shen

**441- VIS4773: Channel Attention Is All You Need for Video Frame Interpolation**  
Myungsuk Choi, Heewon Kim, Bohyung Han, Ning Xu, Yongmu Lee

**442- VIS4800: GFace: Gated Deformation for Multi-View Face Image Synthesis**  
Xuemiao Xu, Keke Li, Cheng Xu, Shengfeng He
**Robustness and Privacy Concerns**

Models Trained for Emotion Recognition to Address

Pranav Senthilvel and Shreshth Srivastava (Prospect, Kentucky, USA)

Second Prize

Kevin Meng (Plano, Texas, USA)

**Figure behind Visual Obstruction**

48 First Prize

AAAI Award Winners

Maria Hwang and Calvin Williamson

499- DC329: Optimal Auction Based Automated Negotiation in Realistic Decentralized Market Environments
Pankaj Mishra, Ahmed Maustafa, Takayuki Ito, Minjie Zhang

499- DC332: Modelling a Conversational Agent with Complex Emotional Intelligence
Billal Belaine, Fattha Sadat, Hakim Lounis

450- DC336: A Reinforcement Learning Approach to Strategic Belief Revelation with Social Influence
Patrick Shepherd, Judy Goldsmith

451- DC342: Efficient Predictive Uncertainty Estimators for Deep Probabilistic Models
Julissa Villanueva Llerena, Denis Detratani Maua

452- DC346: Quantum Probabilistic Models Using Feynman Diagram Rules for Better Understanding the Information Diffusion Dynamics in Online Social Networks
Ece C. Mutlu

453- DC370: Modeling Dynamic Behaviors within Population
Nazgol Tavabi

Undergraduate Consortium

454- UC707: Generating Crochet patterns with Recurrent Neural networks
Proscovia Nakiranda
505- UC726: Fairness in Machine Learning: Quantifying the Effect of Unrepresentative Training Data on Intervention Performance
Jessica Dai

506- UC727: Reconstructing Training Sets by Observing Sequential Updates
William Jang

507- UC728: Robustness in Macro-Action-Based Deep Multi-Agent Reinforcement Learning
Joshua Hoffman

508- UC740: Incremental Open World Reference Resolution
Thomas Bennett

509- UC741: Nonparametric Human Follower Models
John Nguyen

510- UC742: Ranking to Detect Users Involved in Blackmarket-based Collusive Retweeting Activities
Brihi Joshi

511- UC769: Activity Recognition Using Deep Convolutional Networks for Classification in the SHL Recognition Challenge
Michael Sloma

512- UC772: Human-in-the-Loop Gaussian Process-Based Coverage in Multi-Robot Settings
Andrew McDonald

513- UC775: Various Perspectives of Studying Signals for Evaluating the Credibility of Online Sources of Information
Khozdakhon Umorov

514- UC776: Harmful Feedback Loops in Unequitable Criminal Justice AI Models
Pazia Bermudez-Silverman

515- UC780: Search Tree Pruning for Progressive Neural Architecture Search Research Summary
Deanna Flynn

Student Abstracts

516- SA429: Generating Engaging Promotional Videos for E-Commerce Platforms
Chang Liu, Han Yu, Yi Dong, Zhiqi Shen, Yingxue Yu, Ian Dixon, Zhanning Gao, Pan Wang, Peiran Ren, Xuansong Xie, Lizhen Cui, Chunyan Mao

517- SA431: Travel Time Prediction on Un-Monitored Roads: A Spatial Factorization Machine Based Approach
Lile Li, Wei Liu

518- SA437: Link Prediction Between Group Entities in Knowledge Graphs
Jialin Su, Yuanzhuo Wang, Xiaolong Jin, Yantao Jia, Xueqi Cheng

519- SA441: Entity Type Enhanced Neural Model for Distantly Supervised Relation Extraction
Long Bai, Xiaolong Jin, Chuanzhi Zhuang, Xueqi Cheng

520- SA451: Towards Consistent Variational Auto-Encoding
Yijing Liu, Shuyu Liu, Ronald Clark

521- SA452: Dynamic Control of Probabilistic Simple Temporal Networks
Michael Gao, Lindsay Popowski, James C. Boerkoel Jr.

522- SA453: Personalized Prediction of Trust Links in Social Networks
Alexandre Parmentier, Robin Cohen

Yuanqi Du, Nguyen Dang, Riley Wilkerson, Parth Pathak, Huzefa Rangwala, Jana Kosecka

524- SA457: Streaming Batch Gradient Tracking for Neural Network Training
Siyuang Huang, Brian D. Hoskins, Matthew W. Daniels, Mark D. Stiles, Gina C. Adam

525- SA459: LatRec: Recognizing Goals in Latent Space
Leonardo Amado, Felipe Meneguzzi

526- SA462: Opening the Black Box: Automatically Characterizing Software for Algorithm Selection
Damir Pulatov, Lars Kotthoff

527- SA464: Trimodal Attention Module for Multimodal Sentiment Analysis
Anirudh Bindiganavale Harish, Fathia Sadat

528- SA467: Clearing Kidney Exchanges via Graph Neural Network Guided Tree Search
Zeyu Zhao, John P. Dickerson

529- SA476: Hindi-English Hate Speech Detection: Author Profiling, Debiasing and Practical Perspectives
Shivang Chopra, Ramit Sawhney, Puneet Mathur, Rajiv Ratn Shah

530- SA480: SATNet: Symmetric Adversarial Transfer Network Based on Two-Level Alignment Strategy Towards Cross-Domain Sentiment Classification
Yu Cao, Hua Xu

531- SA481: Action Recognition and State Change Prediction in a Recipe Understanding Task Using a Lightweight Neural Network Model
Qing Wan, Yoonsuck Choe

532- SA483: A Multi-Task Learning Machine Reading Comprehension Model for Noisy Document
Zhijing Wu, Hua Xu

533- SA488: READ: Representation Extraction Over an Arbitrary District
Donghyun Ahn, Hyunji Cha, Sungwon Han

534- SA489: ESAS: Towards Practical and Explainable Short Answer Scoring
Palak Goenka, Mehak Piplani, Ramit Sawhney, Puneet Mathur, Rajiv Ratn Shah

535- SA491: Interactive Neural Network: Leveraging Part-of-Speech Window for Aspect Term Extraction
Da Yin, Xiuyu Wu, Baobao Zhang

536- SA493: KnowBias: Detecting Political Polarity in Long Text Content
Aditya Saligram

537- SA494: Learning to Classify the Wrong Answers for Multiple Choice Question Answering
Hyeonseung Kim, Pascale Fung

538- SA497: Attribute Noise Robust Binary Classification
Aditya Petety, Sandhya Tripathi, N. Hemachandra
539- SA498: BattleNet: Capturing Advantageous Battlefield in RTS Games
Donghyeon Lee, Man-je Kim, Chang Wook Ahn

540- SA500: Efficient Spatial-Temporal Rebalancing of Shareable Bikes
Zichao Deng, Anqi Tu, Zelei Liu, Han Yu

541- SA503: Generative Adversarial Imitation Learning from Failed Experiences
Jiacheng Zhu, Jiahao Lin, Meng Wang, Yingfeng Chen, Changjie Fan, Chong Jiang, Zongzhang Zhang

542- SA504: Iterative Learning for Reliable Underwater Link Adaptation
Junghun Byun, Yong-Ho Cho, Tae-Ho Im, Hak-Lim Ko, Kyung-Seop Shin, Ohyun Jo

543- SA509: Deep Ranking for Style-Aware Room Recommendations
Ilkay Yildiz, Esra Ataer-Cansizoglu, Hantian Liu, Peter Golbus, Ozan Tezcan, Jae-Woo Choi

544- SA513: Structure-Based Drug-Drug Interaction Detection via Expressive Graph Convolutional Networks and Deep Sets
Mengying Sun, Fei Wang, Olivier Elemento, Jiayu Zhou

545- SA514: Improving Semantic Parsing using Statistical Word Sense Disambiguation
Ritwik Bose, Siddharth Vashishtha, James Allen

546- SA515: VECA: A Method for Detecting Overfitting in Neural Networks
Liangzhu Ge, Yuexian Hou, Yajiu Jiang, Shuai Yao, Chao Yang

547- SA522: Exploring Abstract Concepts for Image Privacy Prediction in Social Networks
Gabriele Galfré, Cornelia Caragea

548- SA523: Towards an Integrative Educational Recommender for Lifelong Learners
Sahan Balathwela, Maria Pérez Ortiz, Emine Yilmaz, John Shawe-Taylor

549- SA524: Combating False Negatives in Adversarial Imitation Learning
Konrad Zolina, Chitwan Saharia, Leonard Boussiaux, David Yu-Tung Hui, Maxime Chevalier-Boisvert, Dmitry Bahdanau, Yoshua Bengio

550- SA525: Breakdown Detection in Negotiation Dialogues
Atsuki Yamaguchi, Katsuhide Fujita

551- SA526: Bayesian Adversarial Attack on Graph Neural Networks
Xiao Liu, Jing Zhao, Shiliang Sun

552- SA528: Optimizing the Feature Selection Process for Better Accuracy in Datasets with a Large Number of Features
Xi Chen, Afanshe Doryab

553- SA532: Keyphrase Generation for Scientific Articles Using GANs
Avinash Swaminathan, Raj Kuwar Gupta, Haimin Zhang, Debanjan Mahata, Rakesh Gosangi, Rajiv Ratn Shah

554- SA542: Emotion Analysis on Social Media: Impact of Psychological and Contextual Cues
Maitree Leekha, Mansi Agarwal, Ramit Sawhney, Rajiv Ratn Shah, Debanjan Mahata

555- SA543: Random Projections and alpha-shape to Support the Kernel Design
Daniel Moreira Cestari, Rodrigo Fernandes de Mello

556- SA547: Hierarchical Average Reward Policy Gradient Algorithms
Akshay Dharmavaram, Matthew Riemer, Shalabh Bhatnagar

557- SA548: Learning to Model Opponent Learning
Ian Davies, Zheng Tian, Jun Wang

558- SA551: A Multi-Task Learning Approach to Sarcasm Detection
Eduardo Savini, Cornelia Caragea

559- SA553: Fairness Does Not Imply Satisfaction
Andrew Searns, Hadi Hosseini

560- SA559: An Iterative Approach for Identifying Complaint Based Tweets in Social Media Platforms
Gyanesh Anand, Akash Gautam, Puneet Mathur, Ramit Sawhney

Demos
Yusen Liu, Dayiheng Liu, Jiancheng Lv

2- DEMO271: DAMN: Defeasible Reasoning Tool for Multi-Agent Reasoning
Abdelraouf Hecham, Madalina Croitoru, Pierre Bisguert

3- DEMO388: PARTNER: Human-in-the-Loop Entity Name Understanding with Deep Learning
Kun Qian, Poornima Chozhiyah Raman, Yunyao Li, Lucian Popa

4- DEMO401: Watch the Flu': A Tweet Monitoring Tool for Epidemic Intelligence of Influenza in Australia
Brian Jin, Aditya Joshi, Ross Sparks, Stephen Wan, Cécile Paris, C. Raina MacIntyre

5- DEMO410: MAPF Scenario: Software for Evaluating MAPF Plans on Real Robots
Roman Bartík, Jiří Švancara, Ivan Krasíšenkov

6- DEMO424: Diana's World: A Situated Multimodal Interactive Agent
Nikhil Krishnaswamy, Pradyumn Narayana, Rahul Bangar, Kyeongmin Rim, Dhruta Patil, David McNeely-White, Jaime Ruiz, Bruce Draper, Ross Beveridge, James Pustejovsky

7- DEMO425: Causal Knowledge Extraction through Large-Scale Text Mining
Oktie Hassanzadeh, Debarun Bhattacharjya, Mark Feblowitz, Kavitha Srinivas, Michael Perrone, Shrin Sohrabi, Michael Katz

8- DEMO455: GENO — Optimization for Classical Machine Learning Made Fast and Easy
Sören Laue, Matthias Mitterreiter, Joachim Giesen
Monday, February 10
7:20 – 9:20 PM

AI and the Web (AIW)

1- AIW1194: Minimizing the Bag-of-Ngrams Difference for Non-Autoregressive Neural Machine Translation
Yong Wan

2- AIW1249: GRET: Global Representation Enhanced Transformer
Wan C.H.

3- AIW2863: Efficient Heterogeneous Collaborative Filtering without Negative Sampling for Recommendation
Yunfei Zhang, Yongfeng Zhang, Weizhi Ma, Yiqun Liu, Shaopeng Ma

4- AIW3162: Knowledge Graph Alignment Network with Gated Multi-Hop Neighborhood Aggregation
Deng Cai

5- AIW3186: Balancing Spreads of Influence in a Social Network
Haoan Wei

6- AIW3254: Unsupervised Neural Dialect Translation with Commonality and Diversity Modeling
Shu Zhang, Baosong Yang, Derek F. Wong, Lidia S. Chao, Haihua Du, Ben C.H. Ao

7- AIW4003: Relatedness and TBox-Driven Rule Learning in Large Knowledge Bases
Pei-Zhuo Yang

8- AIW4363: MetaMT, a Meta Learning Method Leveraging Multiple Domain Data for Low Resource Machine Translation
Ranjisheng Zhang

9- AIW4475: Mining Unfollow Behavior in Large-Scale Online Social Networks via Spatial-Temporal Interaction
Chenmin Wang, Min Sun, Yuan Xie, Ping Wang, Shuhao Gu, Yiqun Liu

10- AIW4623: Gradient Method for Continuous Influence Maximization with Budget-Saving Considerations
Xiaojie Chen, Zhiyu Guan, Qibin Xu, Qiong Zhang, Hui Sun, Guangxue Lu, Dang Cai

11- AIW4688: Question-Driven Purchasing Propensity Analysis for Recommendation
Shiwen Wang, Tianyu Gao, Qinlin Xu, Qirong Zhang, Hui Sun, Guangxue Lu, Dang Cai

12- AIW4802: D2D-LSTM: LSTM-Based Path Prediction of Content Diffusion Tree in Device-to-Device Social Networks
Hao Xu, Xiaofei Wang, Jiwen Chen, Chengyang Wang, Jianxin Li

13- AIW5041: A Variational Point Process Approach for Social Event Sequences
Xiaojie Chen, Zhiyu Guan, Qinlin Xu, Qirong Zhang, Hui Sun, Guangxue Lu, Dang Cai

14- AIW5202: Revisiting Graph-Based Collaborative Filtering: A Linear Residual Graph Convolutional Network Approach
Lei Chen, Le Wu, Richang Hong, Kun Zhang, Meng Wang

15- AIW5874: Go from the General to the Particular: Multi-Domain Translation with Domain Transformation Networks
Yong Wang, Longyue Wang, Shuming Shi, Victor O.K. Li, Zhaopeng Tu

16- AIW6154: Exponential Family Graph Embeddings
Abdulkadir Celiikanat, Fragkiskos D. Malliaros

17- AIW6422: Alignment-Enhanced Transformer for Constraining NMT with Pre-Specified Translations
Shuang Wang, Jun Wang, Heng Yu, Yue Zhang, Zhongqiang Huang, Weihua Luo, Xiangyu Duan, Min Zhang

18- AIW6799: Learning with Unsure Responses
Kunihiro Takeoka, Yuyang Dong, Masafumi Oyamada

19- AIW7067: Table2Analysis: Modeling and Recommendation of Common Analysis Patterns for Multi-Dimensional Data
Mengyu Zhou, Tao Wang, Pengxin Li, Shi Han, Dongmei Zhang

20- AIW7155: An End-to-End Visual-Audio Attention Network for Emotion Recognition in User-Generated Videos
Sicheng Zhao, Yunsheng Ma, Yang Gu, Jiefeng Yang, Tengfei Xing, Pengfei Xu, Runbo Hu, Hua Chai, Kurt Keutzer

21- AIW7366: Multi-Feature Discrete Collaborative Filtering for Fast Cold-Start Recommendation
Xiaoyang Wang, Shuai Wang, Chuan Wen, Shuhao Li, Yuting Jia, Weinan Zhang, Xingbo Wang

22- AIW7462: Author Name Disambiguation on Heterogeneous Information Network with Adversarial Representation Learning
Haoxun Wang, Ruijie Wang, Chuan Wen, Shuhao Li, Yuting Jia, Weinan Zhang, Xingbo Wang

Hongyang Wang, Qingfei Meng, Ji Fan, Yuchen Li, Haizhong Cui, Xiaoman Zhao, Chong Peng, Gong Chen, Xiaoyong Du

24- AIW7804: Modeling Fluency and Faithfulness for Diverse Social Influence Multi-Language Machine Translation
Yunfei Zhang, Wanying Xie, Shuhao Gu, Chenze Shao, Wen Zhang, Zhengxin Yang, Dong Yu

25- AIW7823: Acquiring Knowledge from Pre-Trained Model to Neural Machine Translation
Rongxiang Weng, Heng Yu, Shujiun Huang, Shanbo Cheng, Weihua Luo

26- AIW8617: Balancing Quality and Human Involvement: an Effective Approach to Interactive Neural Machine Translation
Tianxian Zhao, Lemao Liu, Guoping Huang, Zhaopeng Tu, Huayang Li, Yingling Liu, Guiquan Liu, Shuming Shi

27- AIW9007: Towards Comprehensive Recommender Systems: Time-Aware Unified Recommendations Based on Listwise Ranking of Implicit Cross-Network Data
Haoxun Wang, Ruijie Wang, Chuan Wen, Shuhao Li, Yuting Jia, Weinan Zhang, Xingbo Wang

28- AIW9423: Infusing Knowledge into the Textual Entailment Task Using Graph Convolutional Networks
Abdulkadir Celiikanat, Fragkiskos D. Malliaros

29- AIW9616: Preserving Ordinal Consensus: Towards Feature Selection for Unlabeled Data
Gaoxun Wang, Shuhao Gu, Heng Zhang, Wenhao Zhu

Applications (APP)

30- APP46: Geometry-Constrained Car Recognition Using a 3D Perspective Network
Rui Zeng, Zengyuan Ge, Simon Denman, Sridha Sridharan, Clinton Fookes
48- APP6479: Semi-Supervised Hierarchical Recurrent Graph Neural Network for City-Wide Parking Availability Prediction WeiJia Zhang, Hao Liu, Yanchi Liu, Jingbo Zhou, Hui Xiong

49- APP6730: Generating Adversarial Examples for Holding Robustness of Source Code Processing Models Huangzhang Zhang, Zhao Li, Ge Li, Lei Ma, Yang Liu, Zhi Jin


52- APP8266: Robust Low-Rank Discovery of Data-Driven Partial Differential Equations Jun Li, Gan Sun, Guochuai Zhao, Li-wei H. Lehman

53- APP8297: Accelerating and Improving AlphaZero Using Population Based Training Ti-Rong Wu, Ting-Han Wei, I-Chen Wu

54- APP8387: Rumor Detection on Social Media with Bi-Directional Graph Convolutional Networks Tian Bian, Xi Xiao, Tingyang Xu, Peilin Zhao, Wenbing Huang, Yu Rong, Junzhou Huang

55- APP8427: Type-Aware Anchor Link Prediction across Heterogeneous Networks Based on Graph Attention Network Xiaoxue Li, Yanmin Shang, Yanan Cao, Yangxi Li, Jiarong Tan, Yanbing Liu

56- APP9004: Bursting the Filter Bubble: Fairness-Aware Network Link Prediction Farzan Masrour, Tyler Wilson, Heng Yan, Pang-Ning Tan, Abdol-Hossein Esfahanian

57- APP9198: Beyond Digital Domain: Fooling Deep Learning Based Recognition System in Physical World KaiChen Yang, TsungYi Tsai, Honggang Yu, Tsung-Yi Ho, Yier Jin


59- APP9926: Finding Minimum-Weight Link-Disjoint Paths with a Few Common Nodes Binglin Tao, Mingyu Xiao, Jingyang Zhao

Cognitive Systems (CS)

60- CS2895: STEP: Spatial Temporal Graph Convolutional Networks for Emotion Perception from Gaitts Uttaran Bhattacharya, Trisha Mittal, Rohan Chandra, Tanmay Randhavane, Aniket Bera, Dinesh Manocha

61- CS4411: M3ER: Multiplicative Multimodal Emotion Recognition Using Facial, Textual, and Speech Cues Trisha Mittal, Uttaran Bhattacharya, Rohan Chandra, Aniket Bera, Dinesh Manocha
Constraint Satisfaction and Optimization (CSO)

87- CSO117: A Character-Centric Neural Model for Automated Story Generation
Danyang Liu, Juntao Li, Meng-Hsuan Yu, Ziming Huang, Gongshen Liu, Dongyan Zhao, Rui Yan

88- CSO120: Generating Interactive Worlds with Text
Angela Fan, Jack Urbanek, Pratik Ringshia, Emily Dinan, Emma Qian, Siddharth Karamcheti, Shrimai Prabhunoye, Douwe Kiela, Tim Rocktaschel, Arthur Szlam, Jason Weston

89- CSO121: Draft and Edit: Automatic Storytelling Through Multi-Pass Hierarchical Conditional Variational Autoencoder
Meng-Hsuan Yu, Juntao Li, Danyang Liu, Bo Tang, Haisong Zhang, Dongyan Zhao, Rui Yan

Game Theory and Economic Paradigms (GTEP)

90- GTEP0335: All-Pay Bidding Games on Graphs
Guy Avni, Rasmus Ibsen-Jensen, Josep Tkadlec

91- GTEP0350: Multi-Type Resource Allocation with Partial Preferences
Habib Wang, Sujoy Sikdar, Xiao Xi Guo, Lirong Xia, Yongzhi Cao, Hanpin Wang

92- GTEP0356: Defending with Shared Resources on a Network
Minming Li, Long Tran-Thanh, Xiaowei Wu

93- GTEP0468: Bidding in Smart Grid PDAs: Theory, Analysis and Strategy
Susobhan Ghosh, Sujit Gujar, Praveen Paruchuri, Easwar Subramanian, Sanjay P. Bhatt

94- GTEP0531: Fair Division Through Information Withholding
Hadi Hasseini, Sujoy Sikdar, Rohit Vaish, Hejun Wang, Lirong Xia

95- GTEP0644: Bounded Incentives in Manipulating the Probabilistic Serial Rule
Zhe Wang, Zhide Wei, Jie Zhang

96- GTEP0915: Balancing the Tradeoff between Profit and Fairness in Rideshare Platforms During High-Demand Hours
Vedant Nanda, Pan Xu, Karthik Abinav Sankaranaraman, John P. Dickerson, Aravind Srinivasan

97- GTEP0917: An Analysis Framework for Metric Voting Based on LP Duality
David Kempe

98- GTEP0945: Strongly Budget Balanced Auctions for Multi-Sided Markets
Rica Gonen, Erel Segal-Halevi

99- GTEP0963: On the Max-Min Fair Stochastic Allocation of Indivisible Goods
Yasushi Kawase, Hanna Sumita

Human-AI Collaboration (HAC)

100- HAC1281: SADA: Semantic Adversarial Diagnostic Attacks for Autonomous Applications
Abdullah Hamdi, Matthias Müller, Bernard Ghanem

101- HAC9127: Human-Machine Collaboration for Fast Land Cover Mapping
Caleb Robinson, Anthony Ortiz, Kolya Malkin, Blake Elias, Andi Peng, Dan Morris, Bistra Dilkina, Nebojsa Jojic
124- MAS5189: Implicit Coordination Using FOND Planning
Thorsten Engesser, Tim Miller

125- MAS5441: ODSS: Efficient Hybridization for Optimal Coalition Structure Generation
Narayan Changder, Samir Aknine, Sarvapali Ramchurn, Animesh Dutta

126- MAS5682: Learning to Communicate Implicitly by Actions
Zheng Tian, Shihao Zou, Ian Davies, Tim Warr, Lisheng Wu, Haiitham Bou Ammar, Jun Wang

127- MAS7580: HS-CAI: A Hybrid DCOP Algorithm via Combining Search with Context-Based Inference
Dingding Chen, Yanchen Deng, Ziyu Chen, Wexin Zhang, Zhongshi He

128- MAS8313: Quantized Compressive Sampling of Stochastic Gradients for Efficient Communication in Distributed Deep Learning
Afshin Abdi, Faramarz Fekri

129- MAS8325: Indirect Stochastic Gradient Quantization and Its Application in Distributed Deep Learning
Afshin Abdi, Faramarz Fekri

Machine Learning (ML)

130- ML134: R2MRF: Defocus Blur Detection via Recurrently Refining Multi-Scale Residual Features
Chang Tang, Xinwang Liu, Xinzhong Zhu, En Zhu, Kun Sun, Pichao Wang, Lizhe Wang, Albert Zomaya

131- ML193: Google Research Football: A Novel Reinforcement Learning Environment
Karol Kurach, Anton Raichuk, Piotr Stańczyk, Michal Zając, Olivier Bachem, Laszlo Espeholt, Carlos Riquelme, Damien Vincent, Marcin Michalski, Olivier Bousquet, Sylvain Gelly

132- ML368: URNet: User-Resilible Residual Networks with Conditional Gating Module
Sangho Lee, Simyung Chang, Nojun Kwak

133- ML402: Beyond Dropout: Feature Map Distortion to Regularize Deep Neural Networks
Yehui Tang, Yunhe Wang, Yixing Xu, Boxin Shi, Chao Xu, Chunqing Xu, Chang Xu

134- ML403: Pruning from Scratch
Yulong Wang, Xiaolu Zhang, Lingxi Xie, Jun Zhou, Hang Su, Bo Zhang, Xiaolin Hu

135- ML476: Beyond Unfolding: Exact Recovery of Latent Convex Tensor Decomposition under Reshuffling
Chao Li, Mohammad Emtyaz Khan, Zhun Sun, Gang Niu, Bo Han, Shengli Xie, Qibin Zhao

136- ML509: Learning-Based Efficient Graph Similarity Computation via Multi-Scale Convolutional Set Matching
Yunsheng Bai, Hao Ding, Ken Gu, Yachou Sun, Wei Wang

137- ML564: Channel Pruning Guided by Classification Loss and Feature Importance
Jinyang Guo, Wanli Ouyang, Dong Xu

138- ML591: Learning from the Past: Continual Meta-Learning with Bayesian Graph Neural Networks
Yadan Luo, Zi Huang, Zheng Zhang, Ziwei Wang, Mahsa Baktashmothag, Yang Yang

139- ML831: Dynamical System Inspired Adaptive Time Stepping Controller for Residual Network Families
Yibo Yang, Jianlong Wu, Hongyang Li, Xia Li, Tiancheng Shen, Zhouchen Lin

140- ML1040: Uncertainty-Aware Deep Classifiers Using Generative Models
Murat Sensoy, Lance Kaplan, Federico Gerutti, Maryam Saleki

141- ML1059: Count-Based Exploration with the Successor Representation
Marlos C. Machado, Marc G. Bellemare, Michael Bowling

142- ML1081: Adversarial-Learned Loss for Domain Adaptation
Minghao Chen, Shuai Zhao, Haifeng Liu, Deng Cai

143- ML1084: Bi-Directional Generation for Unsupervised Domain Adaptation
Guanglei Yang, Haifeng Xia, Mengli Ding, Zhengming Ding

144- ML1273: Attribute Propagation Network for Graph Zero-Shot Learning
Lu Liu, Tianyi Zhou, Guodong Long, Jing Jiang, Chengqi Zhang

145- ML1406: Deep Embedded Complementary and Interactive Information for Multi-View Classification
Jinglin Xu, Wenbin Li, Xinwang Liu, Dingwen Zhang, Ji Liu, Junwei Han

146- ML1421: A New Ensemble Adversarial Attack Powered by Long-Term Gradient Memories
Zhaohe Che, Ali Borji, Guangtao Zhai, Suiyi Ling, Jing Li, Patrick Le Callet

147- ML1440: Sparsity-Inducing Binarized Neural Networks
Peisong Wang, Xiangyu He, Gang Li, Tianli Zhao, Jian Cheng

148- ML1460: Incremental Multi-Domain Learning with Network Latent Tensor Factorization
Adrian Bulat, Jean Kossaifi, Georgios Tzimiropoulos, Maja Pantic

149- ML1491: Weakly Supervised Disentanglement by Pairwise Similarities
Junxiang Chen, Kayhan Batmanghelich

150- ML1506: Mega-Reward: Achieving Human-Level Play without Extrinsic Rewards
Yuhang Song, Jianyi Wang, Thomas Lukasiewicz, Zhenghua Xu, Shangtong Zhang, Andrzej Wojciech, Mai Xu

151- ML1602: Generative-Discriminative Complementary Learning
Yanwu Xu, Mingming Gong, Junxiang Chen, Tongliang Liu, Kun Zhang, Kayhan Batmanghelich

152- ML1627: A Multi-Scale Approach for Graph Link Prediction
Lei Cai, Shuiwang Ji

153- ML1690: Binarized Neural Architecture Search
Hanlin Chen, Lian Zhou, Baoshang Zhang, Xiaowu Zheng, Jianzhuan Liu, David Doermann, Rongrong Ji

154- ML1718: Rank3DGAN: Semantic Mesh Generation Using Relative Attributes
Yassir Saquib, Qun-Ge Xu, Yong-Liang Yang, Peter Hall

155- ML1759: Structured Output Learning with Conditional Generative Flows
You Lu, Bert Huang
156- ML1907: Reinforcing Neural Network Stability with Attractor Dynamics
Hammin Deng, Yang Hua, Tao Song, Zhengui Xue, Ruhui Ma, Neil Robertson, Haibing Guan

157- ML1980: An ADMM Based Framework for AutoML Pipeline Configuration
Sijia Liu, Parihkshit Ram, Deepak Vijaykeerthy, Djallel Bourneloff, Gregory Bramble, Horst Samulowitz, Dakuo Wang, Andrew Conn, Alexander Gray

158- ML2012: Random Fourier Features via Fast Surrogate Leverage Weighted Sampling
Fanghui Liu, Xiaolin Huang, Yudong Chen, Jie Yang, Johan A.K. Suykens

159- ML2041: Particle Filter Recurrent Neural Networks
Xiao Ma, Peter Karkus, David Hsu, Wee Sun Lee

160- ML2046: Joint Modeling of Local and Global Temporal Dynamics for Multivariate Time Series Forecasting with Missing Values
Xianfeng Tang, Huaxiu Yao, Yiwei Sun, Charu Aggarwal, Prasenjit Mitra, Suhang Wang

161- ML2073: Light Multi-Segment Activation for Model Compression
Zhenhui Xu, Guolin Ke, Jia Zhang, Jianguo Bao, Tie-Yan Liu

162- ML2107: Attention-Over-Attention Field-Aware Factorization Machine
Zhibo Wang, Jinxin Ma, Yongquan Zhang, Qian Wang, Jun Ren, Peng Sun

163- ML2116: High Tissue Contrast MRI Synthesis Using Multi-Stage Attention-GAN for Glienda Segmentation
Mohammad Hamghalam, Baiying Lei, Tianfu Wang

164- ML2195: Linear Context Transform Block
Dongsheng Ruan, Jun Wen, Nenggan Zheng, Min Zheng

165- ML2262: Tensor-SVD Based Graph Learning for Multi-View Subspace Clustering
Quanxue Gao, Wei Xia, Zhizhen Wan, Deyan Xie, Pu Zhang

166- ML2263: Neural Architecture Search Using Deep Neural Networks and Monte Carlo Tree Search
Linlin Wang, Yiyang Zhao, Yuu Jinnai, Yuandong Tian, Rodrigo Fonseca

167- ML2295: Neural Graph Embedding for Neural Architecture Search
Wei Li, Shaogang Gong, Xiatian Zhu

168- ML2312: Learning Agent Communication under Limited Bandwidth by Message Pruning
Hangyu Mao, Zhengchao Zhang, Zhen Xiao, Zhibo Gong, Yan Ni

169- ML2320: Lifelong Spectral Clustering
Gan Sun, Yang Cong, Qianqian Wang, Jun Li, Yun Fu

170- ML2426: A Novel Model for Imbalanced Data Classification
Jian Yin, Chunjing Gan, Kaimi Zhao, Xuan Lin, Zhe Quan, Zhi-Jie Wang

171- ML2511: A Knowledge-Aware Attentional Reasoning Network for Recommendation
Qianan Zhu, Xiaofei Zhou, Jia Wu, Jianlong Tan, Li Guo

172- ML2545: Large-Scale Multi-View Subspace Clustering in Linear Time
Zhao Kang, Wangtao Zhou, Zhitong Zhao, Junming Shao, Meng Han, Zenglin Xu

173- ML2727: An Intrinsically-Motivated Approach for Learning Highly Exploring and Fast Mixing Policies
Mirco Mutti, Marcello Restelli

174- ML2731: Learning from Weak-Label Data: A Deep Forest Expedition
Qian-Wei Wang, Liang Yang, Yu-Feng Li

175- ML2803: Adversarial Localized Energy Network for Structured Prediction
Pingbo Pan, Ping Liu, Yan Yan, Tianhao Yang, Yi Yang

176- ML2873: Fragmentation Coagulation Based Mixed Membership Stochastic Blockmodel
Zheng Yu, Xuhui Fan, Marcin Pietrasik, Marek Reformat

177- ML2879: Atari-HEAD: Atari Human Eye-Tracking and Demonstration Dataset
Ruoan Zhang, Caken Walshe, Zhuode Liu, Lin Guan, Karl S. Muller, Jake A. Whrimer, Luxin Zhang, Mary M. Hayhoe, Dana H. Ballard

178- ML2928: Towards Query-Efficient Black-Box Adversary with Zeroth-Order Natural Gradient Descent
Pu Zhao, Pin-Yu Chen, Siyu Wang, Xue Lin

179- ML2982: Regularized Training and Tight Certification for Randomized Smoother Classifiers with Provable Robustness
Huijie Feng, Chunpeng Wu, Guoyang Chen, Weifeng Zhang, Yang Ning

180- ML3007: Fastened CROWN: Tightened Neural Network Robustness Certificates
Zhaoyang Lyu, Ching-Yun Ko, Zhiqiang Kong, Ngai Wang, Dahua Lin, Luca Daniel

181- ML3076: Going Deep: Graph Convolutional Ladder-Shape Networks
Ruoqi Hu, Shirui Pan, Guodong Long, Qinghua Lu, Liming Zhu, Jing Jiang

182- ML3077: Quadruply Stochastic Gradient Method for Large Scale Nonlinear Semi-Supervised Ordinal Regression AUC Optimization
Wanli Shi, Bin Gu, Xiang Li, Heng Huang

183- ML3089: Divide-and-Conquer Learning with Nyström: Optimal Rate and Algorithm
Rong Yin, Yong Liu, Lijing Lu, Weiping Wang, Dan Meng

184- ML3093: Effective Data Augmentation with Multi-Domain Learning GANs
Shinya Yamaguchi, Sekitoshi Kanai, Takeharu Eda

185- ML3134: Label Enhancement with Sample Correlations via Low-Rank Representation
Haoyu Tang, Jihua Zhu, Qinghai Zheng, Jun Wang, Shamin Pang, Zhongyu Li

186- ML3143: Gradient Boosts the Approximate Vanishing Ideal
Hiroshi Kera, Yoshikiko Hasegawa

187- ML3183: Scalable Probabilistic Matrix Factorization with Graph-Based Priors
Jonathan Strahl, Jaakko Peltonen, Hiroshi Mamitsuka, Samuel Kasli

188- ML3274: Towards Accurate Low Bit-Width Quantization with Multiple Phase Adaptations
Zhaoyi Yan, Yemin Shi, Yawei Wang, Mingkui Tan, Zheyang Li, Wenming Tan, Yonghong Tian
189- ML3285: ODIN: ODE-Informed Regression for Parameter and State Inference in Time-Continuous Dynamical Systems Philippe Wenk, Gabriele Abbati, Michael A. Osborne, Bernhard Schölkopf, Andreas Krause, Stefan Bauer

190- ML3314: Random Intersection Graphs and Missing Data Dror Satt, Yakir Berchenko

191- ML3316: DIA:Net: Dense- and Implicit Attention Network Zhongzhan Huang, Senwei Liang, Mingfu Liang, Haizhao Yang

192- ML3351: A Frank-Wolfe Framework for Efficient and Effective Adversarial Attacks Jinghui Chen, Dongruo Zhou, Jinfeng Yi, Quanquan Gu

193- ML3373: An Ordinal Data Clustering Algorithm with Automated Distance Learning Yiqun Zhang, Yiu-ming Cheung


195- ML3401: Improving the Robustness of Wasserstein Embedding by Adversarial PAC-Bayesian Learning Daizong Ding, Mi Zhang, Xudong Pan, Min Yang, Xiangnan He

196- ML3455: Deep Bayesian Nonparametric Learning of Rules and Plans from Demonstrations with a Learned Automaton Prior Brandon Araki, Kiran Vadrahoth, Thomas Leech, Cristian-loan Vasile, Mark Donahue, Daniela Rus

197- ML3463: Weighted Automata Extraction from Recurrent Neural Networks via Regression on State Spaces Takamasa Okudono, Masaki Waga, Taro Sekiyama, Ichiro Hasuo


199- ML3550: Decoupled Attention Network for Text Recognition Tianwei Wang, Yuanzhi Zhu, Lianwen Jin, Canjie Luo, Xiaoaue Chen, Yaqiang Wu, Qianying Wang, Mingxian Cai


202- ML3751: Shared Generative Latent Representation Learning for Multi-View Clustering Ming Yin, Weitian Huang, Junbin Gao

203- ML3787: RTN: Reparameterized Temary Network Yuhang Li, Xin Dong, Sai Qian Zhang, Hao Li, Yuanpeng Chen, Wei Wang

204- ML3861: Dynamic Graph Representation for Occlusion Handling in Biometrics Min Ren, Yunlong Wang, Zhenan Sun, Tieniu Tan

205- ML3933: Efficient Neural Architecture Search via Proximal Iterations Quanming Yao, Ju Xu, Wei-Wei Tu, Zhaming Zhu

206- ML4001: Unified Graph and Low-Rank Tensor Learning for Multi-View Clustering Jianlong Wu, Xingxie Li, Liqiang Nie, Zhouchen Lin, Hongbin Zha

207- ML4016: Efficient Residual Dense Block Search for Image Super-Resolution Dehua Song, Chang Xu, Xu Jia, Yiyi Chen, Chunjing Xu, Yunhe Wang

208- ML4058: Variational Adversarial Kernel Learned Imitation Learning Fan Yang, Alina Vereshchaka, Yufan Zhou, Changyou Chen, Wen Dong

209- ML4069: Learning Part Generation and Assembly for Structure-Aware Shape Synthesis Jun Li, Chengjie Niu, Kai Xu


211- ML4139: Reinforcement Learning with Perturbed Rewards Jingkang Wang, Yang Liu, Bo Li

212- ML4191: Representing Closed Transformation Paths in Encoded Network Latent Space Marissa C. Connor, Christopher J. Rozell

213- ML4216: Hierarchically Clustered Representation Learning Su-Jin Shin, Kyungwoo Song, Il-Chul Moon


216- ML4289: Spatiotemporally Constrained Action Space Attacks on Deep Reinforcement Learning Agents Xian Yeow Lee, Sambit Ghadai, Kai Liang Tan, Chinmay Hegde, Soumik Sarkar

217- ML4422: Discriminative Adversarial Domain Adaptation Hui Tang, Kui Jia

218- ML4423: Evaluating the Cross-Lingual Effectiveness of Massively Multilingual Neural Machine Translation Aditya Siddhant, Melvin Johnson, Henry Tsai, Naveen Ari, Jason Riesa, Ankur Bapna, Orhan Firat, Kartik Raman

219- ML4466: Adversarially Robust Distillation Micah Goldblum, Liam Fowl, Soheil Feizi, Tom Goldstein

220- ML4495: Robust Self-Weighted Multi-View Projection Clustering Beili Wang, Yun Xiao, Zhihui Li, Xuanhong Wang, Xiaojiang Chen, Dingyi Fang

221- ML4514: CGD: Multi-View Clustering via Cross-View Graph Diffusion Chang Tang, Xinwang Liu, Xinzhong Zhu, En Zhu, Zhigang Luo, Lizhe Wang, Wen Gao

222- ML4552: Online Knowledge Distillation with Diverse Peers Defang Chen, Jian-Ping Mei, Can Wang, Yan Feng, Chun Chen
223- ML4588: Co-GCN for Multi-View Semi-Supervised Learning
Shu Li, Wen-Tao Li, Wei Wang

224- ML4599: Object-Oriented Dynamics Learning through Multi-Level Abstraction
Guangxiang Zhu, Jiahao Wang, Zhizhou Ren, Zichuan Lin, Chongjie Zhang

225- ML4630: Universal Adversarial Training
Ali Shafahi, Mahyar Najibi, Zheng Xu, John Dickerson, Larry S. Davis, Tom Goldstein

226- ML4640: Differentiable Algorithm for Marginalising Changepoints
Hyounjin Lim, Gwonsoo Che, Wonyeol Lee, Hongseok Yang

227- ML4723: MuMod: A Micro-Unit Connection Approach for Hybrid-Order Community Detection
Ling Huang, Hong-Yang Chao, Guangqiang Xie

228- ML4837: Fatigue-Aware Bandits for Dependent Click Models
Jinyu Cao, Wei Sun, Zuo-Jun (Max) Shen, Markus Ettl

229- ML4960: Semi-Supervised Streaming Learning with Emerging New Labels
Yong-Nan Zhu, Yu-Feng Li

230- ML4996: Hierarchical Modes Exploring in Generative Adversarial Networks
Mengchao Hu, Jinlong Li, Maolin Hu, Tao Hu

231- ML5040: Stealthy and Efficient Adversarial Attacks against Deep Reinforcement Learning
Lianwen Sun, Tianwei Zhang, Xiaokai Xie, Lei Ma, Yan Zheng, Kangjie Chen, Yang Liu

232- ML5069: Adapting to Smoothness: A More Universal Algorithm for Online Convex Optimization
Guanghui Wang, Shiyi Lu, Yao Hu, Lijun Zhang

233- ML5148: DeGAN: Data-Enriching GAN for Retrieving Representative Samples from a Trained Classifier
Srivastav Addepalli, Gaurav Kumar Nayak, Anirban Chakraborty, R. Venkatesh Babu

234- ML5173: Towards Oracle Knowledge Distillation with Neural Architecture Search
Minsoo Kang, Jonghwan Mun, Boyung Han

235- ML5327: An Attention-Based Graph Neural Network for Heterogeneous Structural Learning
Huiting Hong, Hantao Guo, Yucheng Lin, Xiaojing Yang, Zang Li, Jieping Ye

236- ML5434: Bounds and Complexity Results for Learning Coalition-Based Interaction Functions in Networked Social Systems
Abhijin Adiga, Chris J. Kuhlman, Madhav V. Marathe, S. S. Ravi, Daniel J. Rosenkrantz, Richard E. Stearns, Anil Vullikanti

Xu Qin, Zhilin Wang, Yuanchao Bai, Xiaodong Xie, Huizhu Jia

238- ML5459: Exchangeable Generative Models with Flow Scans
Christopher M. Bender, Kevin O’Connor, Yang Li, Juan Jose Garcia, Junier Oliva, Manzil Zaheer

239- ML5577: Diversified Bayesian Nonnegative Matrix Factorization
Maoying Qiao, Jun Yu, Tongliang Liu, Xinchao Wang, Dacheng Tao

240- ML5585: Seq2Sick: Evaluating the Robustness of Sequence-to-Sequence Models with Adversarial Examples
Minhao Cheng, Jinfeng Yi, Pin-Yu Chen, Huan Zhang, Cho-Jui Hsieh

241- ML5605: Variational Metric Scaling for Metric-Based Meta-Learning
Jiaxin Chen, Li-Ming Zhan, Xiao-Ming Wu, Fu-Lai Chung

242- ML5667: Stable Learning via Sample Reweighting
Zheyuan Shen, Peng Cui, Tong Zhang, Kun Kuang

243- ML5679: EvolveGCN: Evolving Graph Convolutional Networks for Dynamic Graphs
Aldo Pareja, Giacomo Domeniconi, Jie Chen, Tengfei Ma, Toyotaro Suzuki, Hiroki Kanezashi, Tim Kaler, Tao B. Schardl, Charles E. Leiserson

244- ML5688: System Identification with Time-Aware Neural Sequence Models
Thomas Demeester

245- ML5756: Compressed Self-Attention for Deep Metric Learning
Ziye Chen, Mingming Gong, Yanwu Xu, Chaohui Wang, Kun Zhang, Bo Du

246- ML5776: Reinforcement Learning Based Meta-Path Discovery in Large-Scale Heterogeneous Information Networks
Guojia Wan, Bo Du, Shriran Pan, Gholamreza Haffari

247- ML5824: Feature Variance Regularization: A Simple Way to Improve the Generalizability of Neural Networks
Ranran Huang, Hanbo Sun, Ji Liu, Lu Tian, Li Wang, Yi Shan, Yu Wang

248- ML5948: Polynomial Matrix Completion for Missing Data Imputation and Transductive Learning
Jicong Fan, Yuqian Zhang, Madeleine Udell

249- ML5986: Pursuit of Low-Rank Models of Time-Varying Matrices Robust to Sparse and Measurement Noise
Albert Akhriev, Jakub Marecek, Andrea Simonetto

250- ML6002: Infinite ShapeOdds: Nonparametric Bayesian Models for Shape Representations
Wei Xing, Shireen Elhabian, Robert M. Kirby, Ross T. Whitaker, Shandian Zhe

251- ML6005: A Multi-Channel Neural Graphical Event Model with Negative Evidence
Tian Gao, Dharmsankar Subramanian, Karthikeyan Shanmugam, Debarun Bhattacharjya, Nicholas Mattei

252- ML6096: An Implicit Form of Krasulina’s k-PCA Update without the Orthonormality Constraint
Ehsan Amid, Manfred K Warmuth

253- ML6123: Invariant Representations through Adversarial Forgetting
Ayush Jaiswal, Daniel Moyer, Greg Ver Steeg, Wael AbdAlmageed, Premkumar Narayanan

254- ML6146: A Forest from the Trees: Generation through Neighborhoods
Yang Li, Tianxiang Gao, Junier B. Oliva
AAA1-20 Outstanding Student Paper Honorable Mention

255. ML6189: Lifelong Learning with a Changing Action Set
Yash Chandak, Georgios Theocharous, Chris Nota, Philip S. Thomas

256. ML6195: Reinforcement Learning When All Actions Are Not Always Available
Yash Chandak, Georgios Theocharous, Blossom Metevier, Philip S. Thomas

257. ML6216: Meta-Amortized Variational Inference and Learning
Mike Wu, Kristy Choi, Noah Goodman, Stefano Ermon

258. ML6294: Inefficiency of K-FAC for Large Batch Size Training
Linjian Ma, Gabe Montague, Jiayu Ye, Zhewei Yao, Amir Gholami, Kurt Keutzer, Michael W. Mahoney

259. ML6424: Independence Promoted Graph Disentangled Networks
Yanbei Liu, Xiao Wang, Shu Wu, Zhitaon Xiao

260. ML6530: Infomax Neural Joint Source-Channel Coding via Adversarial Bit Flip
Yuxuan Song, Minkai Xu, Lantao Yu, Hao Zhou, Shuo Shao, Yong Yu

261. ML6549: Fast and Efficient Boolean Matrix Factorization by Geometric Segmentation
Changlin Wan, Wennan Chang, Tong Zhao, Mengyi Li, Sha Cao, Chi Zhang

262. ML6618: DARB: A Density-Adaptive Regular-Block Pruning for Deep Neural Networks
Ao Ren, Tao Zhang, Yuhao Wang, Sheng Lin, Peiyang Dong, Yen-kuang Chen, Yuan Xie, Yanzhi Wang

263. ML6641: Outlier Detection Ensemble with Embedded Feature Selection
Li Cheng, Yijie Wang, Xinwang Liu, Bin Li

264. ML6689: Multi-View Multiple Clusterings Using Deep Matrix Factorization
Shaowei Wei, Jun Wang, Guoxian Yu, Carlotta Domeniconi, Xiangliang Zhang

265. ML6825: Maximizing Overall Diversity for Improved Uncertainty Estimates in Deep Ensembles
Siddhartha Jain, Ge Liu, Jonas Mueller, David Gifford

266. ML6849: AlignFlow: Cycle Consistent Learning from Multiple Domains via Normalizing Flows
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267. ML6866: Robustness Certificates for Sparse Adversarial Attacks by Randomized Ablation
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268. ML6879: Building Calibrated Deep Models via Uncertainty Matching with Auxiliary Interval Predictors
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269. ML6881: CD-IAP: Class Discriminative Universal Adversarial Perturbation
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270. ML6984: Learning Signed Network Embedding via Graph Attention
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271. ML7092: Neural Inheritance Relation Guided One-Shot Layer Assignment Search
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273. ML7148: An Efficient Exploratory Sampling Considering the Generative Boundaries of Deep Generative Neural Networks
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274. ML7152: Variational Inference for Sparse Gaussian Process Modulated Hawkes Process
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277. ML7182: Deep Embedded Non-Redundant Clustering
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278. ML7196: Introducing Probabilistic Bézier Curves for N-Step Sequence Prediction
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279. ML7207: A Skip-Connected Evolving Recurrent Neural Network for Data Stream Classification under Label Latency Scenario
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280. ML7214: Aggregated Gradient Langevin Dynamics
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281. ML7442: Adversarial Attack on Deep Product Quantization Network for Image Retrieval
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283. ML7665: Unsupervised Metric Learning with Synthetic Examples
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284. ML7734: Fairness for Robust Log Loss Classification
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286. ML7891: Hearing Lips: Improving Lip Reading by Distilling Speech Recognizers
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290- ML8283: Synthesizing Action Sequences for Modifying Model Decisions
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301- ML9315: IVFS: Simple and Efficient Feature Selection for High Dimensional Topology Preservation
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303- ML9405: Interactive Fiction Games: A Colossal Adventure
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304- ML9792: Hidden Trigger Backdoor Attacks
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305- ML9804: Differential Equation Units: Learning Functional Forms of Activation Functions from Data
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310- NLP1741: Corpus Wide Argument Mining – a Working Solution
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314- NLP2108: RefNet: A Reference-Aware Network for Background Based Conversation
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315- NLP2192: Learning Long- and Short-Term User Literal-Preference with Multimodal Hierarchical Transformer Network for Personalized Image Caption
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316- NLP2311: Solving Sequential Text Classification as Board-Game Playing
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321- NLP3644: An Annotated Corpus of Reference Resolution for Interpreting Common Grounding
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322- NLP3822: Span-Based Neural Buffer: Towards Efficient and Effective Utilization of Long-Distance Context for Neural Sequence Models
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325- NLP3955: Simultaneous Learning of Pivots and Representations for Cross-Domain Sentiment Classification
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326- NLP4018: Improving Knowledge-Aware Dialogue Generation via Knowledge Base Question Answering
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327- NLP4027: Do Not Have Enough Data? Deep Learning to the Rescue!
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328- NLP4234: Real-Time Emotion Recognition via Attention Gated Hierarchical Memory Network
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329- NLP4433: Neural Snowball for Few-Shot Relation Learning
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330- NLP4678: Revision in Continuous Space: Unsupervised Text Style Transfer without Adversarial Learning
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331- NLP4746: MOSS: End-to-End Dialog System Framework with Modular Supervision
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333- NLP4794: Bridging the Gap between Pre-Training and Fine-Tuning for End-to-End Speech Translation
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334- NLP5180: LeDeepChef: Deep Reinforcement Learning Agent for Families of Text-Based Games
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335- NLP5249: CatGAN: Category-Aware Generative Adversarial Networks with Hierarchical Evolutionary Learning for Category Text Generation
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336- NLP5388: Span Model for Open Information Extraction on Accurate Corpus
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337- NLP5400: DCR-Net: A Deep Co-Interactive Relation Network for Joint Dialog Act Recognition and Sentiment Classification
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340- NLP5573: Latent Emotion Memory for Multi-Label Emotion Classification
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341- NLP5595: Interpretable Rumor Detection in Microblogs by Attending to User Interactions
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342- NLP5816: Relation Extraction with Convolutional Network over Learnable Syntax-Transport Graph
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343- NLP6086: Who did They Respond to? Conversation Structure Modeling Using Masked Hierarchical Transformer
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344- NLP6349: Dialog State Tracking with Reinforced Data Augmentation
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345- NLP6375: Dynamic Knowledge Routing Network for Target-Guided Open-Domain Conversation
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347- NLP6447: Tensor Graph Convolutional Networks for Text Classification
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399- RU3189: Recovering Causal Structures from Low-Order Conditional Independencies
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400- RU3531: A Near-Optimal Change-Detection Based Algorithm for Piecewise-Stationary Combinatorial Semi-Bandits
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401- RU3579: Reliable and Efficient Anytime Skeleton Learning
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402- RU4174: Correcting Predictions for Approximate Bayesian Inference
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404- RU4369: Deception through Half-Truths
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405- RU4419: The Choice Function Framework for Online Policy Improvement
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406- RU4712: A Simultaneous Discover-Identify Approach to Causal Inference in Linear Models
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407- RU4863: A Bayesian Approach for Estimating Causal Effects from Observational Data
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408- RU5225: Adversarial Disentanglement with Grouped Observations
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410- RU6175: Causal Discovery from Multiple Data Sets with Non-Identical Variable Sets
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412- RU6402: Robust Stochastic Bandit Algorithms under Probabilistic Unbounded Adversarial Attack
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413- RU6812: Safe Linear Stochastic Bandits
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Kukjeep Purohit, A.N. Rajagopalan

Hyoungchun Kim, Hao Tan, Mohit Bansal

471- VIS8923: Structure-Aware Feature Fusion for Unsupervised Domain Adaptation
Qingchao Chen, Yang Liu

472- VIS10157: REST: Performance Improvement of a Black Box Model via RL-Based Spatial Transformation
Jae Myung Kim, Hyungjin Kim, Channwo Park, Junwoo Lee

473- VIS10261: Natural Image Matting via Guided Contextual Attention
Yaoyi Li, Hongtao Lu

Student Abstracts

* Denotes 3M contest finalist

474- *SA266: Providing Uncertainty-Based Advice for Deep Reinforcement Learning Agents
Felipe Leno Da Silva, Pablo Hernandez-Leal, Bilal Kartal, Matthew E. Taylor

475- *SA399: Combining Fine-Tuning with a Feature-Based Approach for Aspect Extraction on Reviews
Xili Wang, Hua Xu, Xiaomin Sun, Guangcan Tao

476- *SA402: Hypergraph Convolutional Network for Multi-Hop Knowledge Base Question Answering
Jiale Han, Bo Cheng, Xu Wang

477- *SA417: Constrained Self-Supervised Clustering for Discovering New Intents
Ting-En Lin, Hua Xu, Hanlei Zhang

478- *SA435: Automatic Text-Based Personality Recognition on Monologues and Multiparty Dialogues Using Attentive Networks and Contextual Embeddings
Hang Jiang, Xianzhe Zhang, Jinho Choi

479- *SA463: Complex Emotional Intelligence Learning Using Deep Neural Networks
Belainine Bilal, Sadat Fattha, Louis Hakim

480- *SA471: How to Be Effective in Signaling Games for Security and Sustainability with Uncertain Real-Time Information
Elizabeth Bondi, Hoon Oh, Haifeng Xu, Fei Fang, Bistra Dilkina, Milind Tambe

481- *SA540: Sample Complexity Bounds for RNNs with Application to Combinatorial Graph Problems
Nil-Jana Akpinar, Bernhard Kratzwald, Stefan Feuerriegel

482- *SA549: Transformer-Capsule Model for Intent Detection
Aleksander Obuchowski, Michal Lew
Inaccurate Initial States

Sustainable Marine Aquaculture

Yuxiang Xie, Hua Xu, Congcong Yang, with Adversarial Training for Few Samples

Zhiming Li, Qing Wu, Kun Qian

Qisheng Wang, Qicong Zhao, Shumin Deng, Ningyu Zhang, Zhanlin Sun, Jiaoyan Chen, Huajun Chen

Amit Jindal, Dwaraknath Gnaneshwar, Ramit Sawhney, Rajiv Ratn Shah

Wenbo Sun, Ivona Bezakova

Joseph Scott, Maysum Panju, Vijay Ganesh

Shimin Zhang, Deanna Flynn, P. Michael Zhuoyi Wang, Yigong Wang, Yu Lin, Bo Dong, Hemeng Tao, Latifur Khan

Zhang Deanna Flynn, P. Michael Zhuoyi Wang, Yigong Wang, Yu Lin, Bo Dong, Hemeng Tao, Latifur Khan

SA268: Action Graphs for Goal Recognition Problems with Inaccurate Initial States

SA568: An Analytical Workflow for Clustering Forensic Images

Sara Mousavi, Dylan Lee, Tatianna Griffin, Dawnie Steadman, Audris Mockus

SA575: Improving First-Order Optimization Algorithms

Ange Tato, Roger Nkambou

SA584: Few Sample Learning Without Data Storage for Lifelong Stream Mining

Zhuoyi Wang, Yigong Wang, Yu Lin, Bo Dong, Hemeng Tao, Latifur Khan

SA590: Search Tree Pruning for Progressive Neural Architecture Search

Deanna Flynn, P. Michael Furlong, Brian Cottle

SA595: FourierSAT: A Fourier Expansion-Based Algebraic Framework for Solving Hybrid Boolean Constraints

Anastasios Kyriillidis, Anshumali Shrivastava, Moshe Vardi, Zhiwei Zhang

SA601: Semantics- and Syntax-Related Subvectors in the Skip-gram Embeddings

Maxat Tezehkayev, Zhenisbek Assylbekov, Rustem Takhanov

SA604: Multi-Robot Deep Reinforcement Learning with Macro-Actions

Yuchen Xiao, Joshua Hoffman, Tian Xia, Christopher Amato

SA615: Predicting Students’ Attention Level with Interpretable Facial and Head Dynamic Features in an Online Tutoring System

Shimeng Peng, Lujie Chen, Chuhan Gao, Richard Jiawei Tong

SA638: LGML: Logic Guided Machine Learning

Joseph Scott, Maysum Panju, Vijay Ganesh

SA663: Sampling Random Chordal Graphs by MCMC

Wenbo Sun, Ivona Bezakova

SA690: Leveraging BERT with Mixup for Sentence Classification

Amit Jindal, Dwaraknath Gnaneshwar, Ramit Sawhney, Rajiv Ratn Shah

SA41: When Low Resource NLP Meets Unsupervised Language Model: Meta-Pretraining Then Meta-Learning for Few-Shot Text Classification

Shumin Deng, Ningyu Zhang, Zhanlin Sun, Jiaoyan Chen, Huajun Chen

SA181: Optimal Exploration Algorithm of Multi-Agent Reinforcement Learning Methods

Qisheng Wang, Qichao Wang, Xiao Li

Adabot: Fault-Tolerant Java Decompiler

Zhiming Li, Qing Wu, Kun Qian

SA140: Multi-Channel Convolutional Neural Networks with Adversarial Training for Few-Shot Relation Classification

Yuxiang Xie, Hua Xu, Congcong Yang, Kai Gao

SA257: How to Predict Seawater Temperature for Sustainable Marine Aquaculture

Masahito Okuno, Takaharu Otsuka

SA265: A Simple Deconvolutional Mechanism for Point Clouds and Sparse Unordered Data

Thomas Paniagua, John Lagergren, Greg Foderaro

SA268: Action Graphs for Goal Recognition Problems with Inaccurate Initial States

Helen Harman, Pieter Simoens

SA273: Toward Operational Safety Verification of AI-Enabled CPS

Imane Lamrani, Ayan Banerjee, Sandeep K.S. Gupta

SA275: HGMAN: Multi-Hop and Multi-Answer Question Answering Based on Heterogeneous Knowledge Graph

Xu Wang, Shuai Zhao, Bo Cheng, Jiale Han, Yingting Li, Hao Yang, Guoshun Nan

SA280: Neural Dynamics and Gamma Oscillation on a Hybrid Excitatory-Inhibitory Complex Network

Yuan Wang, Xia Shi, Bo Cheng, Junliang Chen

SA284: Position-Based Social Choice Methods for Intransitive Incomplete Pairwise Vote Sets

Julian Zucker

SA286: Focusing on Detail: Deep Hashing Based on Multiple Region Details

Quan Zhou, Xiushan Nie, Yang Shi, Xingbo Liu, Yikong Yin

SA385: Cancer Treatment Classification with Electronic Medical Health Records

Jianning Zeng, Imon Banerjee, Michael Gensheimer, Daniel Rubin

SA391: Modeling Involuntary Dynamic Behaviors to Support Intelligent Tutoring

Mononito Goswami, Lujie Chen, Chuhan Gao, Artur Dubrawski

SA393: Third-Person Imitation Learning via Image Difference and Variational Discriminator Bottleneck

Chong Jiang, Zongzhang Zhang, Zixuan Chen, Jiacheng Zhu, Junpeng Jiang

SA394: Selecting Portfolios Directly Using Recurrent Reinforcement Learning

Lin Li

SA395: MUSIC COLLAB: An IoT And ML Based Solution for Remote Music Collaboration

Nishtha Nayar, Divya Lohani

SA401: RPM-Oriented Query Rewriting Framework for E-Commerce Keyword-Based Sponsored Search

Xiuying Chen, Daorui Xiao, Shen Gao, Guojun Liu, Wei Lin, Bo Zheng, Dongyan Zhao, Rui Yan

SA403: Multi-Agent Pattern Formation with Deep Reinforcement Learning

Elhadji Amadou Oury Diallo, Toshiharu Sugawara

SA404: Contention-Aware Mapping and Scheduling Optimization for NoC-Based MPSoCs

Yupeng Zhou, Rongjie Yan, Anyu Cai, Yige Yan, Minghao Yin

SA408: A Multi-Task Approach to Open Domain Suggestion Mining

Minni Jain, Maitree Leekha, Mononito Goswami

SA409: A QSAT Benchmark Based on Vertex-Folkman Problems

David E. Narvaez

SA418: New Off-Board Solution for Predicting Vehicles’ Intentions in the Highway On-Ramp Using Probabilistic Classifiers

Zine El Abidine Kherroubi, Samir Aknine, Rebiha Bacha
SA419: Session-Level User Satisfaction Prediction for Customer Service Chatbot in E-commerce
Riheng Yao, Shuangyong Song, Quidan Li, Chao Wang, Huan Chen, Haiqing Chen, Daniel Dajun Zeng

SA420: Who Are Controlled by the Same User? Multiple Identities Deception Detection via Social Interaction Activity
Jiacheng Li, Chunyuan Yuan, Wei Zhou, Jingli Wang, Songlin Hu

SA637: Submodel Decomposition for Solving Limited Memory Influence Diagrams
Junky Lee

Demos

1- DEMO458: Combining Machine Learning Models Using combo Library
Yue Zhao, Xuejian Wang, Cheng Cheng, Xueying Ding

2- DEMO468: DRAGON-V: Detection and Recognition of Airplane Goals with Navigational Visualization
Christabel Wayllace, Sunwoo Ha, Yuchen Han, Jiaming Hu, Shayan Monadjemi, William Yeoh, Alvitta Ottley

3- DEMO474: Cognitive Compliance: Assessing Regulatory Risk in Financial Advice Documents
Wanita Sherchan, Sue Ann Chen, Simon Harris, Nebula Alam, Khoi Nguyen Tran, Christopher J. Butler

4- DEMO475: CAiRE: An End-to-End Empathetic Chatbot
Zhaojiang Lin, Peng Xu, Genta Indra Winata, Farhad Bin Siddique, Zihan Liu, Jamin Shin, Pascale Fung

5- DEMO482: Automatic Car Damage Assessment System: Reading and Understanding Videos as Professional Insurance Inspectors
Wei Zhang, Yuan Cheng, Xin Guo, Qingpei Guo, Jian Wang, Qing Wang, Chen Jiang, Meng Wang, Furong Xu, Wei Chu

6- DEMO484: PresentationTrainer: Oral Presentation Support System for Impression-Related Feedback
Shengzhou Yi, Hiroshi Yumoto, Xueting Wang, Toshihiko Yamasaki

7- DEMO495: Exploratory Navigation and Selective Reading
Natwar Modani, Paridhi Maheshwari, Harsh Deshpande, Saurab Sirpurlar, Divy A, Somak Aditya

8- DEMO510: D-agree: Crowd Discussion Support System Based on Automated Facilitation Agent
Takayuki Ito, Shota Suzuki, Naoko Yamaguchi, Tomohiro Nishida, Kentaro Hiraishi, Kai Yoshino

Tomaz Logar, Joseph Bullock, Edoardo Nemni, Lars Bromley, John A. Quinn, Miguel Luengo-Oroz
Tuesday, February 11
6:30 – 8:30 PM

Al and the Web (AIW)

1- AIW74: Progressive Feature Polishing Network for Salient Object Detection
   Bo Wang, Quan Chen, Min Zhou, Zhiqiang Zhang, Xiaogang Jin, Kun Gai

2- AIW441: UCF-STAR: A Large-Scale Still Image Dataset for Understanding Human Actions
   Marjaneh Safaei, Pooyan Balouchian, Hassan Foroosh

3- AIW494: Re-Attention for Visual Question Answering
   Wenya Guo, Ying Zhang, Xiaoping Wu, Jufeng Yang, Xiangrui Cai, Xiaojie Yuan

4- AIW1133: Multimodal Summarization with Guidance of Multimodal Reference
   Junnan Zhu, Yu Zhou, Jiajun Zhang, Haoran Li, Chengqing Zong, Changliang Li

5- AIW1783: Corpus-Level End-to-End Exploration for Interactive Systems
   Zhien Tang, Grace Hui Yang

6- AIW3674: Multi-Channel Reverse Dictionary Model
   Lei Zhang, Fanchao Qi, Zhiyuan Liu, Yasheng Wang, Qun Liu, Maosong Sun

7- AIW3823: Cross-Modal Attention Network for Temporal Inconsistent Audio-Visual Event Localization
   Hanyu Xuan, Zhenyu Zhang, Shuo Chen, Jian Yang, Yan Yan

8- AIW4000: Learning Triple Embeddings from Knowledge Graphs
   Valeria Fionda, Giuseppe Pizzè

9- AIW5266: Incremental Fairness in Two-Sided Market Platforms: On Smoothly Updating Recommendations
   Gourab K Patro, Abhijnan Chakraborty, Niloy Ganguly, Krishna P. Gummadi

10- AIW7144: Functionality Discovery and Prediction of Physical Objects
    Lei Ji, Botan Shi, Xianglin Guo, Xilin Chen

11- AIW7575: Masking Orchestration: Multi-Task Pretraining for Multi-Role Dialogue Representation Learning
    Tianyi Wang, Yating Zhang, Xiaozhong Liu, Changlong Sun, Qiong Zhang

12- AIW10285: Modality to Modality Translation: An Adversarial Representation Learning and Graph Fusion Network for Multimodal Fusion
    Sijie Mai, HaiFeng Hu, Songlong Xing

Applications (APP)

13- APP455: Pose-Assisted Multi-Camera Collaboration for Active Object Tracking
    Jing Li, Jing Xu, Fangwei Zhong, Xiangyu Kong, Yu Qiao, Yizhou Wang

14- APP1337: HDK: Toward High-Performance Deep-Learning-Based Kirchhoff Analysis
    Xinying Wang, Olamide Timothy Tawose, Feng Yan, Dongfang Zhao

15- APP1664: RiskOracle: A Minute-Level Citywide Traffic Accident Forecasting Framework
    Zhengyang Zhou, Yang Wang, Xike Xie, Lianliang Chen, Hengchang Liu

16- APP2122: TrueLearn: A Family of Bayesian Algorithms to Match Lifelong Learners to Open Educational Resources
    Sahan Bulathwala, Maria Pérez-Ortiz, Emine Yilmaz, John Shawe-Taylor

17- APP2172: Graph Few-Shot Learning via Knowledge Transfer
    Huaxiu Yao, Chuang Zhang, Ying Wei, Meng Jiang, Shuhang Wang, Junzhou Huang, Nitesh V. Chawla, Zhenhui Li

18- APP2220: GMAN: A Graph Multi-Attention Network for Traffic Prediction
    Chuanpan Zheng, Xiaoliang Fan, Cheng Wang, Jianzhong Qi

19- APP2343: Order Matters: Semantic-Aware Neural Networks for Binary Code Similarity Detection
    Zeping Yu, Rui Cao, Qiyi Tang, Sen Nie, Junzhou Huang, Shi Wu

20- APP2552: Region Focus Network for Joint Optic Disc and Cup Segmentation
    Ge Li, Changsheng Li, Chan Zeng, Peng Gao, Guotong Xie

21- APP2578: PSENet: Psoriasis Severity Evaluation Network
    Yi Li, Zhe Wu, Shuang Zhao, Xian Wu, Yehong Kuang, Yangtian Yan, Shen Ge, Kai Wang, Wei Fan, Xiang Chen, Yong Wang

22- APP2613: Potential Passenger Flow Prediction: A Novel Study for Urban Transportation Development
    Yongshun Gong, Zhibin Li, Jian Zhang, Wei Liu, Jinfeng Yi

23- APP2772: Enhancing Personalized Trip Recommendation with Attractive Routes
    Jiqing Gu, Chao Song, Wenjun Jiang, Xiaomin Wang, Ming Liu

24- APP3476: Finding Needles in a Moving Haystack: Prioritizing Alerts with Adversarial Reinforcement Learning
    Liang Tong, Aron Laszka, Chao Yan, Ning Zhang, Yevgeniy Vorobeychik

25- APP3821: Learning the Graphical Structure of Electronic Health Records with Graph Convolutional Transformer
    Edward Choi, Zhen Xu, Yuji Li, Michael W. Dusenberry, Gerardo Flores, Emily Xue, Andrew M. Dai

26- APP4431: MixedAD: A Scalable Algorithm for Detecting Mixed Anomalies in Attributed Graphs
    Mengxiao Zhu, Haogang Zhu

27- APP4913: Dynamic Malware Analysis with Feature Engineering and Feature Learning
    Zhaoqi Zhang, Panpan Qi, Wei Wang

28- APP5489: Predicting AC Optimal Power Flows: Combining Deep Learning and Lagrangian Dual Methods
    Ferdinando Fioretto, Terrence W.K. Mak, Pascal Van Hentenryck

29- APP5711: CONAN: Complementary Pattern Augmentation for Rare Disease Detection
    Limeng Cui, Siddharth Biswal, Lucas M. Glass, Greg Lever, Jimeng Sun, Cao Xiao

30- APP5758: Robust Adversarial Objects against Deep Learning Models
    Tsung-Yu Tsai, Kaichun Yang, Tsung-Yi Ho, Yier Jin

31- APP5769: ConCare: Personalized Clinical Feature Embedding via Capturing the Healthcare Context
    Liantao Ma, Chaohe Zhang, Yasha Wang, Wenjie Ruim, Jianqiao Wang, Wen Tang, Xinyu Ma, Xin Gao, Junyi Gao
Chengqian Zhao, Cheng Feng, Dengwang Li, Shuo Li

33- APP6627: OMuLeT: Online Multi-Lead Time Location Prediction for Hurricane Trajectory Forecasting
Ding Wang, Boyang Liu, Pang-Ning Tan, Lifeng Luo

34- APP7044: Multi-Scale Anomaly Detection on Attributed Networks
Leonardo Gutiérrez-Gomez, Alexandre Bovet, Jean-Charles Delvenne

Haomin Yu, Qingyong Li, Yangli

36- APP8074: Spatial-Temporal Synchronous Graph Convolutional Networks: A New Framework for Spatial-Temporal Network Data Forecasting
Chao Song, Youfang Lin, Shengnan Guo, Huaiyu Wan

37- APP8549: Generative Adversarial Regularized Mutual Information Policy Gradient Framework for Automatic Diagnosis
Yuan Xia, Jingbo Zhou, Zhenhui Shi, Chao Lu, Haifeng Huang

38- APP8805: DeepAlerts: Deep Learning Based Multi-Horizon Alerts for Clinical Deterioration on Oncology Hospital Wards
Dingwen Li, Patrick G Lyons, Chenyang Lu, Marin Kollef

39- APP9161: True Nonlinear Dynamics from Incomplete Networks
Chunheng Jia, Jianxi Gao, Malik Magdon-Ismail

40- APP9223: Learning Geo-Contextual Embeddings for Commuting Flow Prediction
Zhicheng Liu, Fabio Miranda, Weiting Xiong, Junyan Yang, Qiao Wang, Claudio T. Silva

41- APP9280: Actor Critic Deep Reinforcement Learning for Neural Malware Control
Yu Wang, Jack W. Stokes, Mady Marinescu

42- APP9722: Fairness-Aware Demand Prediction for New Mobility
An Yan, Bill Howe

Cognitive Modeling (CM)

43- CM4442: Transfer Reinforcement Learning Using Output-Gated Working Memory
Arthur S. Williams, Joshua L. Phillips

44- CM5623: The Efficiency of Human Cognition Reflects Planned Information Processing
Mark K. Ho, David Abel, Jonathan D. Cohen, Michael L. Litman, Thomas L. Griffiths

Kian Hamedani, Lingjia Liu, Shiyu Liu, Haibo He, Yang Yi

46- CM7191: Theory-Based Causal Transfer: Integrating Instance-Level Induction and Abstract-Level Structure Learning
Mark Edmonds, Xiaojian Ma, Siyuan Qi, Yixin Zhu, Hongjing Lu, Song-Chun Zhu

47- CM7493: Synch-Graph: Multisensory Emotion Recognition through Neural Synchrony via Graph Convolutional Networks
Esma Mansouri-Bensassi, Juan Ye

48- CM7822: Biologically Plausible Sequence Learning with Spiking Neural Networks
Zuozhu Liu, Tiparat Chotibut, Christopher Hillar, Shaowei Lin

Cognitive Systems (CS)

49- CS178: Machine Number Sense: A Dataset of Visual Arithmetic Problems for Abstract and Relational Reasoning
Wenhe Zhang, Chi Zhang, Yixin Zhu, Song-Chun Zhu

50- CS4481: Generative Continual Concept Learning
Mohammad Rostami, Soheil Kolouri, James McClelland, Praveen Pilly

Constraint Satisfaction and Optimization (CSO)

51- CS02998: MIPaal: Mixed Integer Program as a Layer
Aaron Ferber, Bryan Wilder, Bistra Dilkina, Milind Tambe

52- CS03390: Augmenting the Power of (Partial) MaxSat Resolution with Extension
Javier Larrosa, Emma Rollon

53- CS03843: A Simple and Efficient Tensor Calculus
Sören Laue, Matthias Mitterreiter, Joachim Giesen

54- CS06059: Improved Filtering for the Euclidean Traveling Salesperson Problem in CLP(FD)
Alessandro Bertagnon, Marco Gavanelli

55- CS06155: ADDMC: Weighted Model Counting with Algebraic Decision Diagrams
Jeffrey M. Dudek, Yu H. N. Phan, Moshe Y. Vardi

56- CS06745: Accelerating Primal Solution Findings for Mixed Integer Programs Based on Solution Prediction
Jian-Ya Ding, Chao Zhang, Lei Shen, Shengyu Li, Bing Wang, Yinhui Xu, Le Song

57- CS07298: Learning MAX-SAT from Contextual Examples for Combinatorial Optimisation
Mohit Kumar, Samuel Kolb, Stefano Teso, Luc De Raedt

Gaël Aglin, Siegfried Nijssen, Pierre Schaus

Jayanta Mandi, Emir Demirović, Peter J. Stuckey, Tias Guns

60- CS09334: Delay-Adaptive Distributed Stochastic Optimization
Zhaolin Ren, Zhengyu Zhou, Linhai Qiu, Ajay Deshpande, Jayant Kalagnanam

61- CS010258: Justifying All Differences Using Pseudo-Boolean Reasoning
Jan Elffers, Stephan Gocht, Ciaran McCreesh, Jakob Nordström

Tuhin Sahai, Anurag Mishra, Jose Miguel Pasini, Susmit Jha
Computational Sustainability (CSUS)

63- CSUS5754: Deep Unsupervised Binary Coding Networks for Multivariate Time Series Retrieval
Dixian Zhu, Dongjin Song, Yupong Chen, Cristian Lumezanu, Wei Cheng, Bo Zong, Jinghao Ni, Takehiko Mizoguchi, Tianbao Yang, Haifeng Chen

64- CSUS6931: To Signal or Not To Signal: Exploiting Uncertain Real-Time Information in Signaling Games for Security and Sustainability
Elizabeth Bondi, Hoon Oh, Haifeng Xu, Fei Fang, Bistra Dilkina, Milind Tambe

Dongkuan Xu, Wei Cheng, Bo Zong, Dongqin Song, Jinghao Ni, Weichao Yu, Yanchi Liu, Haifeng Chen, Xiang Zhang

Game Playing and Interactive Entertainment (GPIE)

We Li, Yongxing He, Yanwei Qi, Zejian Li, Yongchuan Tang

Game Theory and Economic Paradigms (GTEP)

67- GTEP792: VCG under Sybil (False-Name) Attacks – a Bayesian Analysis
Yotam Gafi, Ron Lavi, Moshe Tennenholtz

68- GTEP1218: Nice Invincible Strategy for the Average-Payoff IPD
Shiheng Wang, Fangzhen Lin

69- GTEP1547: A Multiarmed Bandit Based Incentive Mechanism for a Subset Selection of Customers for Demand Response in Smart Grids
Shweta Jain, Sujiit Gujar

70- GTEP1777: Computing Equilibria in Binary Networked Public Goods Games
Sixie Yu, Kai Zhou, P. Jeffrey Brantingham, Yevgeniy Vorobeychik

71- GTEP1796: Preventing Arbitrage from Collusion When Eliciting Probabilities
Rupert Freeman, David M. Pennock, Dominik Peters, Bo Waggoner

72- GTEP2128: Path Planning Problems with Side Observations – When Colonels Play Hide-and-Seek
Dong Quan Yu, Patrick Lloiseau, Alonso Silva, Long Tran-Thanh

73- GTEP2162: Multiagent Evaluation Mechanisms
Tal Alon, Magdalen Dobson, Ariel D. Procaccia, Inbal Talgam-Cohen, Jamie Tucker-Felzt

74- GTEP4389: The Surprising Power of Hiding Information in Facility Location
Sarwani Hossain, Evi Micha, Nisarg Shah

75- GTEP4403: Can We Predict the Election Outcome from Sampled Votes?
Evi Micha, Nisarg Shah

76- GTEP5092: A Simple, Fast, and Safe Mediator for Congestion Management
Kei Ikegami, Kohei Okumura, Takumi Yoshikawa

77- GTEP6063: Deep Learning-Powered Iterative Combinatorial Auctions
Jakob Weissteiner, Sven Seuken

78- GTEP6150: Strategy-Proof and Non-Wasteful Multi-Unit Auction via Social Network
Takehiro Kawasaki, Nathanael Barrot, Seiji Takanashi, Taiki Todo, Makoto Yokoo

79- GTEP6161: On the Convergence of Model Free Learning in Mean Field Games
Romaud Elie, Julien Pérolat, Mathieu Laurière, Matthieu Geist, Olivier Pietquin

80- GTEP6620: Reinforcement Mechanism Design: With Applications to Dynamic Pricing in Sponsored Search Auctions
Weiran Shen, Binhui Peng, Hanpeng Liu, Michael Zhang, Ruohan Qian, Yan Hong, Zhi Guo, Zongyao Ding, Pengjun Lu, Pingzhong Tang

81- GTEP6724: The Effectiveness of Peer Prediction in Long-Term Forecasting
Debmalya Mandal, Goran Radanović, David C. Parkes

82- GTEP6960: Optimal Common Contract with Heterogeneous Agents
Shenke Xiao, Zihe Wang, Mengjing Chen, Pingzhong Tang, Xiwang Yang

83- GTEP7844: Approval-Based Apportionment
Markus Brill, Paul Gölz, Dominik Peters, Ulrike Schmidt-Kraepelin, Kai Wilker

84- GTEP8061: Electing Successful Committees: Complexity and Algorithms
Robert Bredereck, Andrzej Kazmarchuk, Rolf Niedermeier

85- GTEP8527: Strategyproof Mechanisms for Friends and Enemies Games
Michele Flammini, Bojana Kodic, Giovanna Varricchio

86- GTEP8710: Repeated Multimarket Contact with Private Monitoring: A Belief-Free Approach
Atsushi Iwasaki, Tadashi Sekiguchi, Shun Yamamoto, Makoto Yokoo

87- GTEP8936: Individual-Based Stability in Hedonic Diversity Games
Niclas Bohemer, Edith Elkind

88- GTEP9014: Facility Location Problem with Capacity Constraints: Algorithmic and Mechanism Design Perspectives
Haris Aziz, Hau Chan, Barton E. Lee, Bo Li, Toby Walsh

89- GTEP9394: Limitations of Incentive Compatibility on Discrete Type Spaces
Taylor Lundy, Hu Fu

90- GTEP9922: Information Elicitation Mechanisms for Statistical Estimation
Yuqing Kong, Grant Schoenebeck, Biaoshuai Tao, Fang-Yi Yu

91- GTEP10043: Solving Online Threat Screening Games Using Constrained Action Space Reinforcement Learning
Sanket Shah, Arunesh Sinha, Pradeep Varakantham, Andrew Perrault, Milind Tambe

Human-AI Collaboration (HAC)

92- HAC3B3: Reinforcement Learning from Imperfect Demonstrations under Soft Expert Guidance
Mingxuan Jing, Xiaojian Ma, Wenbing Huang, Fuchun Sun, Chao Yang, Bin Fang, Huaping Liu

93- HAC3605: CoCoX: Generating Conceptual and Counterfactual Explanations via Fault-Lines
Arjun R. Akula, Shuai Wang, Song-Chun Zhu
111- KRR9149: Graph Representations for Higher-Order Logic and Theorem Proving
Aditya Paliwal, Sarah M. Loos, Markus N. Rabe, Kshitij Bansal, Christian Szegedy

Multiagent Systems (MAS)
112- MAS1513: Arena: A General Evaluation Platform and Building Toolkit for Multi-Agent Intelligence
Yuhang Song, Andrzej Wojcicki, Thomas Lukasiewicz, Jianyi Wang, Abi Aryan, Zhenghua Xu, Mai Xu, Zihan Ding, Lianlong Wu
113- MAS2313: Neighborhood Cognition Consistent Multi-Agent Reinforcement Learning
Hangyu Mao, Wulong Liu, Jianye Hao, Jun Luo, Dong Li, Zhengchao Zhang, Jun Wang, Zhen Xiao
114- MAS2318: SMIX(lambda): Enhancing Centralized Value Functions for Cooperative Multi-Agent Reinforcement Learning
Chao Wen, Xinghu Yao, Yuhui Wang, Xiaoyang Tan
115- MAS2405: Bi-Level Actor-Critic for Multi-Agent Coordination
Hailong Zhang, Weizhe Chen, Zeren Huang, Minne Li, Yaodong Yang, Weinan Zhang, Jun Wang
116- MAS2416: Multi-Agent Game Abstraction via Graph Attention Neural Network
Yong Liu, Weixun Wang, Yuqing Hu, Jianye Hao, Xingqiu Chen, Yang Gao
117- MAS3062: Fair Procedures for Fair Stable Marriage Outcomes
Nikolaos Tziavellas, Ioannis Giannakopoulos, Rune Quist Johansen, Katerina Doka, Nectarios Koziris, Panagiotis Karras
118- MAS3279: Mechanism Design with Predicted Task Revenue for Bike Sharing Systems
Hongtao Lv, Chaoli Zhang, Zhenzhe Zheng, Tie Luo, Fan Wu, Guilhai Chen
119- MAS3962: Multi-Agent Actor-Critic with Hierarchical Graph Attention Network
Heechang Ryu, Hayong Shin, Jinkyoo Park
120- MAS4021: A Variational Perturbative Approach to Planning in Graph-Based Markov Decision Processes
Dominik Linzner, Heinz Koeppl
121- MAS4330: Improving Policies via Search in Cooperative Partially Observable Games
Adam Lerer, Hengyuan Hu, Jakob Foerster, Noam Brown
122- MAS4978: Incentive-Compatible Classification
Yakov Babichenko, Oren Dean, Moshe Tennenholtz
123- MAS5248: Learning the Value of Teamwork to Form Efficient Teams
Ryan Beal, Narayan Changder, Timothy J. Norman, Sarvapali D. Ramchurn
124- MAS5701: Shapley Q-Value: A Local Reward Approach to Solve Global Reward Games
Jianhong Wang, Yuan Zhang, Tae-Kyun Kim, Yunjie Gu
125- MAS5764: Communication Learning via Backpropagation in Discrete Channels with Unknown Noise
Benjamin Freed, Guillaume Sartoretti, Jiacheng Hu, Howie Choset
126- MAS6382: Scalable Decision-Theoretic Planning in Open andTyped Multiagent Systems
Adam Eck, Maulik Shah, Prashant Doshi, Leen-Kiat Soh
127- MAS8345: A Multi-Unit Profit Competitive Mechanism for Cellular Traffic Offloading
Jun Wu, Yu Qiao, Lei Zhang, Chongjun Wang, Meilin Liu

128- MAS10031: Generative Attention Networks for Multi-Agent Behavioral Modeling
Guanyu Li, Bo Jiang, Hao Zhu, Zhengping Che, Yan Liu

Machine Learning (ML)

129- ML3: InstaNAS: Instance-Aware Neural Architecture Search
An-Chieh Cheng, Chieh Hubert Lin, Da-Cheng Juan, Wei Wei, Min Sun

130- ML38: Regularized Wasserstein Means for Aligning Distributional Data
Liang Mi, Wen Zhang, Yalin Wang

131- ML61: Distilling Portable Generative Adversarial Networks for Image Translation
Hanting Chen, Yunhe Wang, Han Shu, Changyuan Wen, Chunjing Xu, Boxin Shi, Chao Xu, Chang Xu

132- ML176: Optimal Feature Transport for Cross-View Image Geo-Localization
Yujiao Shi, Xin Yu, Liu Liu, Tong Zhang, Hongdong Li

133- ML337: Residual Neural Processes
Byung-Jun Lee, Seunghoon Hong, Kee-Eung Kim

134- ML409: Semi-Supervised Learning under Class Distribution Mismatch
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135- ML484: Proximal Distilled Evolutionary Reinforcement Learning
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136- ML526: Logo-2K+: A Large-Scale Logo Dataset for Scalable Logo Classification
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137- ML546: Efficient Automatic CASH via Rising Bandits
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138- ML606: Policy Search by Target Distribution Learning for Continuous Control
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139- ML626: On the Anatomy of MCMC-Based Maximum Likelihood Learning of Energy-Based Models
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140- ML659: AutoShrink: A Topology-Aware NAS for Discovering Efficient Neural Architecture
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141- ML669: Practical Federated Gradient Boosting Decision Trees
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142- ML787: Cost-Effective Incentive Allocation via Structured Counterfactual Inference
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143- ML827: Representation Learning with Multiple Lipschitz-Constrained Alignments on Partially-Labeled Cross-Domain Data
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144- ML858: Gradient-Aware Model-Based Policy Search
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145- ML896: Multi-Label Causal Feature Selection
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146- ML935: Loss-Based Attention for Deep Multiple Instance Learning
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147- ML1071: Eigenvalue Normalized Recurrent Neural Networks for Short Term Memory
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148- ML1251: Stochastic Loss Function
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149- ML1264: Stable Prediction with Model Misspecification and Agnostic Distribution Shift
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150- ML1279: Reborn Filters: Pruning Convolutional Neural Networks with Limited Data
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151- ML1335: Adaptive Trust Region Policy Optimization: Global Convergence and Faster Rates for Regularized MDPs
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152- ML1342: Dual Relation Semi-Supervised Multi-Label Learning
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153- ML1364: Multi-Stage Self-Supervised Learning for Graph Convolutional Networks on Graphs with Few Labeled Nodes
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154- ML1376: Look One and More: Distilling Hybrid Order Relational Knowledge for Cross-Resolution Image Recognition
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155- ML1448: Revisiting Image Aesthetic Assessment via Self-Supervised Feature Learning
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156- ML1453: Generative Adversarial Networks for Video-to-Video Domain Adaptation
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157- ML1536: Posterior-Guided Neural Architecture Search
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158- ML1540: Brain-Mediated Transfer Learning of Convolutional Neural Networks
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159- ML1552: Adversarial Domain Adaptation with Domain Mixup
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160- ML1555: Object Instance Mining for Weakly Supervised Object Detection
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161- ML1629: AutoDAL: Distributed Active Learning with Automatic Hyperparameter Selection
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162- ML1680: Uncorrected Least-Squares Temporal Difference with Lambda-Return
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163- ML1790: Adversarial Learning of Privacy-Preserving and Task-Oriented Representations
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164- ML1797: Label Error Correction and Generation through Label Relationships
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165- ML1836: Multi-Task Driven Feature Models for Thermal Infrared Tracking
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166- ML1856: Unsupervised Nonlinear Feature Selection from High-Dimensional Signed Networks
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168- ML2075: Overcoming Catastrophic Forgetting by Neuron-Level Plasticity Control
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169- ML2100: On the Discrepancy between the Theoretical Analysis and Practical Implementations of Compressed Communication for Distributed Deep Learning
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170- ML2129: Unsupervised Deep Learning via Affinity Diffusion
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171- ML2138: Deep Domain-Adversarial Image Generation for Domain Generalisation
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172- ML2159: Uncertainty-Aware Action Advising for Deep Reinforcement Learning Agents
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173- ML2425: Estimating Stochastic Linear Combination of Non-Linear Regressions
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174- ML2455: Deterministic Value-Policy Gradients
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175- ML2461: How Should an Agent Practice?
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176- ML2462: Suspicion-Free Adversarial Attacks on Clustering Algorithms
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177- ML2485: LS-Tree: Model Interpretation When the Data Are Linguistic
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178- ML2489: ML-LOO: Detecting Adversarial Examples with Feature Attribution
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179- ML2533: Transparent Classification with Multilayer Logical Perceptrons and Random Binarization
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180- ML2584: Improved Subsampled Randomized Hadamard Transform for Linear SVM
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181- ML2599: Dynamic Network Pruning with Interpretable Layerwise Channel Selection
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182- ML2616: SetRank: A Setwise Bayesian Approach for Collaborative Ranking from Implicit Feedback
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183- ML2669: Semantics-Aligner Representation Learning for Person Re-Identification
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184- ML2711: CrowdFunding Dynamics Tracking: A Reinforcement Learning Approach
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185- ML2718: Meta-Learning for Generalized Zero-Shot Learning
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186- ML2755: SNEQ: Semi-Supervised Attributed Network Embedding with Attention-Based Quantisation
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187- ML2775: Reasoning on Knowledge Graphs with Debate Dynamics
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188- ML2776: Domain Conditioned Adaptation Network
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189- ML2778: End-to-End Thorough Body Perception for Person Search
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190- ML2804: High Performance Depthwise and Pointwise Convolutions on Mobile Devices
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191- ML2899: Regional Tree Regularization for Interpretability in Deep Neural Networks
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192- ML2930: Co-Occurrence Estimation from Aggregated Data with Auxiliary Information
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225- ML4858: Joint Adversarial Learning for Domain Adaptation in Semantic Segmentation
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226- ML5032: Partial Multi-Label Learning with Noisy Label Identification
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227- ML5038: Query-Driven Multi-Instance Learning
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228- ML5075: Improved Algorithms for Conservative Exploration in Bandits
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229- ML5146: GSSNN: Graph Smoothing Splines Neural Networks
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230- ML5197: Effective Decoding in Graph Auto-Encoder using Triadic Closure
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231- ML5259: Achieving Fairness in the Stochastic Multi-Armed Bandit Problem
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232- ML5350: Guiding Attention in Sequence-to-Sequence Models for Dialogue Act Prediction
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233- ML5368: Induction of Subgoal Automata for Reinforcement Learning
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234- ML5516: To Avoid the Pitfall of Missing Labels in Feature Selection: A Generative Model Gives the Answer
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235- ML5540: Bounding Regret in Empirical Games
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236- ML5616: Attention-Guide Walk Model in Heterogeneous Information Network for Multi-Style Recommendation Explanation
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237- ML5634: Collaborative Sampling in Generative Adversarial Networks
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238- ML5646: ECGadv: Generating Adversarial Electrocardiogram to Misguide Arrhythmia Classification System
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239- ML5779: Proximity Preserving Binary Code Using Signed Graph-Cut
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243- ML6047: Linear Bandits with Feature Feedback
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244- ML6193: Unsupervised Domain Adaptation via Structured Prediction Based Selective Pseudo-Labeling
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245- ML6242: Urban2Vec: Incorporating Street View Imagery and POIs for Multi-Modal Urban Neighborhood Embedding
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246- ML6326: Nonlinear System Identification via Tensor Completion
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247- ML6413: Multi-Range Attentive Bicomponent Graph Convolutional Network for Traffic Forecasting
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248- ML6418: Time2Graph: Revisiting Time Series Modeling with Dynamic Shapelets
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249- ML6680: Long Short-Term Sample Distillation
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250- ML6694: On the Role of Weight Sharing During Deep Option Learning
Matthew Biermer, Ignacio Cases, Clemens Rosenbaum, Miao Liu, Gerald Tesauro

251- ML6779: Attention-Based Multi-Modal Fusion Network for Semantic Scene Completion
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252- ML6858: Learning Feature Interactions with Lorentzian Factorization Machine
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254- ML6954: Tensor Completion for Weakly-Dependent Data on Graph for Metro Passenger Flow Prediction
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255- ML7055: Order-Free Learning Alleviating Exposure Bias in Multi-Label Classification
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256- ML7096: New Efficient Multi-Spike Learning for Fast Processing and Robust Learning
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257- ML7199: Transfer Value Iteration Networks
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258- ML7235: Not All Attention Is Needed: Gated Attention Network for Sequence Data
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259- ML7264: Transfer Learning for Anomaly Detection through Localized and Unsupervised Instance Selection
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260- ML7341: Discretizing Continuous Action Space for On-Policy Optimization
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261- ML7356: An Efficient Evolutionary Algorithm for Subset Selection with General Cost Constraints
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262- ML7364: Semi-Supervised Learning for Maximizing the Partial AUC
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263- ML7380: Multi-Component Graph Convolutional Collaborative Filtering
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264- ML7432: GraLP: Graph Neural Networks with Local Structural Patterns
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265- ML7529: Word-Level Contextual Sentiment Analysis with Interpretability
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266- ML7629: Reliable Multilabel Classification: Prediction with Partial Abstention
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267- ML7690: Weighted Sampling for Combined Model Selection and Hyperparameter Tuning
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268- ML7797: Generative Exploration and Exploitation
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271- ML8017: Learning to Reason: Leveraging Neural Networks for Approximate DNF Counting
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272- ML8100: DWM: A Decomposable Winograd Method for Convolution Acceleration
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273- ML8199: Exploiting Spatial Invariance for Scalable Unsupervised Object Tracking
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274- ML8296: Deep Model-Based Reinforcement Learning via Estimated Uncertainty and Conservative Policy Optimization
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275- ML8316: M-NAS: Meta Neural Architecture Search
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276- ML8332: Reinforcement Learning with Non-Markovian Rewards
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278- ML8407: Block Hankel Tensor ARIMA for Multiple Short Time Series Forecasting
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279- ML8429: Robust Conditional GAN from Uncertainty-Aware Pairwise Comparisons
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280- ML8503: Side Information Dependence as a Regularizer for Analyzing Human Brain Conditions across Cognitive Experiments
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281- ML8567: Self-Paced Robust Learning for Leveraging Clean Labels in Noisy Data
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282- ML8782: Unsupervised Attributed Multiplex Network Embedding
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285- ML8856: TapNet: Multivariate Time Series Classification with Attentional Prototype Network
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286- ML8859: Partial Label Learning with Batch Label Correction
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288- ML8991: Optimal Attack against Autoregressive Models by Manipulating the Environment
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289- ML8993: Identifying Model Weakness with Adversarial Examiner
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290- ML9071: Graph-Hist: Graph Classification from Latent Feature Histograms with Application to Bot Detection
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291- ML9072: Fast Adaptively Weighted Matrix Factorization for Recommendation with Implicit Feedback
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324- NLP2729: Fine-Tuning by Curriculum Learning for Non-Autoregressive Neural Machine Translation
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325- NLP2733: Knowledge Graph Grounded Goal Planning for Open-Domain Conversation Generation
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326- NLP2771: DCMN+: Dual Co-Matching Network for Multi-Choice Reading Comprehension
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327- NLP2853: Importance-Aware Learning for Neural Headline Editing
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328- NLP3066: Unsupervised Domain Adaptation on Reading Comprehension
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332- NLP3321: A Causal Inference Method for Reducing Gender Bias in Word Embedding Relations
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362- NLP7220: TreeGen: A Tree-Based Transformer Architecture for Code Generation
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367- NLP7752: Neural Question Generation with Answer Pivot
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