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 EAAI-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

AI 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-AIW2119: Where to Go Next: Modeling Long- and Short-Term User Preferences for Point-of-Interest Recommendation
Ke Sun, Tieyun 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
Haojie 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, Xiuqiang 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 Huai, 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. Hoeppner, Dimitris N. Metaxas, Lianyi Han, 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 Gan, Bai Li, Guoyin Wang, Liqun Chen, Qian Yang, Wenqi Wang, Lawrence Carin

17- APP3936: Incorporating Expert-Based Investment Opinion Signals in Stock Prediction: A Deep Learning Framework
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 Zhu, Jun Xiao, Bo Li

19- APP5484: MRI Reconstruction with Interpretable Pixel-Wise Operations Using Reinforcement Learning
Wentian Li, Xidong Feng, Haotian 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 Haplotype Assembly and Viral Quasispecies Reconstruction
Ziqi 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 Schulz, Damir Juric

27- APP7932: SynSig2Vec: Learning Representations from Synthetic Dynamic Signatures for Real-World Verification
Songxuan 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, Jiangqin Wu

29- APP8224: Chemically Interpretable Graph Interaction Network for Prediction of Pharmacokinetic Properties of Drug-Like Molecules
Yashaswi Pathak, Siddhartha Laghuvarapu, 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
Maria-Florina Balcan, Tuomas Sandholm, Ellen Vitercik

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 Garcia 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, Svetha Venkatesh

42- CSO6013: FourierSAT: A Fourier Expansion-Based Algebraic Framework for Solving Hybrid Boolean Constraints
Anastasios Kyrillidis, 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 Elffers, 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

Computational Sustainability (CSUS)

48- CSUS4719: Modeling Electrical Motor Dynamics using Encoder-Decoder with Recurrent Skip Connection
Sagar Verma, Nicolas Henwood, Marc Castella, Francois Malrait, Jean-Christophe Pesquet

Game Theory and Economic Paradigms (GTEP)

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

AAAI-20 Outstanding Student Paper
50- GTEP1179: Fair Division of Mixed Divisible and Indivisible Goods
Xiaohui Bei, Zihao 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 Mańdziuk

53- GTEP2762: Lifting Preferences over Alternatives to Preferences over Sets of Alternatives: the Complexity of Recognizing Desirable Families of Sets
Jan Maly

54- GTEP2871: Structure Learning for Approximate Solution of Many-Player Games
Zun Li, Michael P. Wellman

55- GTEP3096: Computing Team-Maxmin Equilibria in Zero-Sum Multiplayer Extensive-Form Games
Youzhi Zhang, Bo An

56- GTEP3118: Model and Reinforcement Learning for Markov Games with Risk Preferences
Wenjie Huang, Pham Viet Hai, William B. Haskell

57- GTEP3329: Coarse Correlation in Extensive-Form Games
Gabriele Farina, Tommaso Bianchi, Tuomas Sandholm

58- GTEP3409: Refining Tournament Solutions via Margin of Victory
Markus Brill, Ulrike Schmidt-Kraepelin, Warut Suksompong

59- GTEP3445: Persuading Voters: It's Easy to Whisper, It's Hard to Speak Loud
Matteo Castiglioni, Andrea Celli, Nicola Gatti

60- GTEP3450: Private Bayesian Persuasion with Sequential Games
Andrea Celli, Stefano Coniglio, Nicola Gatti

61- GTEP3488: Contiguous Cake Cutting: Hardness Results and Approximation Algorithms
Paul W. Goldberg, Alexandros Hollender, Warut Suksompong

62- GTEP4005: Algorithms for Manipulating Sequential Allocation
Mingyu Xiao, Jiaxing Ling

63- GTEP5545: Parameterized Algorithms for Finding a Collective Set of Items
Robert Bredereck, Piotr Faliszewski, Andrzej Kaczmarczyk, Dušan Knop, Rolf Niedermeier

64- GTEP7073: Practical Frank – Wolfe Method with Decision Diagrams for Computing Wardrop Equilibrium of Combinatorial Congestion Games
Kengo Nakamura, Shinsaku Sakaue, Norihito Yasuda

65- GTEP7574: Distance-Based Equilibria in Normal-Form Games
Erman Acar, Reshef Meir

66- GTEP7933: Favorite-Candidate Voting for Eliminating the Least Popular Candidate in a Metric Space
Xujin Chen, Minming Li, Chenhao Wang

67- GTEP8279: Manipulating Districts to Win Elections: Fine-Grained Complexity
Eduard Eiben, Fedor V. Fomin, Fahad Paholan, Kirill Simonov

68- GTEP8806: Analysis of One-to-One Matching Mechansims via SAT Solving: Impossibilities for Universal Axioms
Ulle Endriss

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
Silvia 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-tur

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- HAI715: SalSAC: A Video Saliency Prediction Model with Shuffled Attentions and Correlation-Based ConvLSTM
Xinyi Wu, Zhenyao Wu, Jinglin Zhang, Lili Ju, 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
Kuangxiao 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
Peilin 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

85- HSO2565: A Unifying View on Individual Bounds and Heuristic Inaccuracies in Bidirectional Search
Vidal Alcázar, Pat Riddle, Michael Barley

86- HSO2742: Beliefs We Can Believe In: Replacing Assumptions with Data in Real-Time Search
Maximilian Fickert, Tianyi Gu, Leonhard Staut, Wheeler Ruml, Jörg Hoffmann, Marek Petrik

87- HSO2813: Learning to Optimize Variational Quantum Circuits to Solve Combinatorial Problems
Sami Khairy, Ruslan Shaydulin, Lukasz Cincio, Yuri Alexeev, Prasanna Balaprakash

88- HSO3364: On Performance Estimation in Automatic Algorithm Configuration
Shengcai Liu, Ke Tang, Yunwen Lei, Xin Yao

89- HSO5811: Cakewalk Sampling
Uri Patish, Shimon Ullman

90- HSO9699: Enumerating Maximal k-Plexes with Worst-Case Time Guarantee
Yi Zhou, Jingwei Xu, Zhenyu Guo, Mingyu Xiao, Yan Jin

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, Srdjan 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, Geguang 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 Amiri, 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. Ranashinghe

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, Xiaolu 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, Jianxing 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, Jiaqing 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, Xiuqiang He, Shao-Lun Huang

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

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

127- ML2247: Adaptive Quantitative Trading: an Imitative Deep Reinforcement Learning Approach
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, Zuohui Fu, Gerard de Melo, Ahmed Elgammal

130- ML2437: Cross-Modal Subspace Clustering via Deep Canonical Correlation Analysis
Quanxue Gao, Huanhuan Lian, Qianqian 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

132- ML2627: Instance Enhancement Batch Normalization: An Adaptive Regulator of Batch Noise
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, Hyun-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 Soflaei, Hongyu Guo, Ali Al-Bashabsheh, Yongyi Mao, Richong Zhang

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

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

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

142- ML3492: A Unified Framework for Knowledge Intensive Gradient Boosting: Leveraging Human Experts for Noisy Sparse Domains
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, Srikumar Ramalingam

149- ML3914: Model Watermarking for Image Processing Networks
Jie 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

151- ML4296: Learning Counterfactual Representations for Estimating Individual Dose-Response Curves
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, Haihong Tang

161- ML4445: Bivariate Beta-LSTM
Kyungwoo 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, Guangxu Xun, 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, Xiaolong 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
Mingi 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

176- ML5716: Deep Mixed Effect Model Using Gaussian Processes: A Personalized and Reliable Prediction for Healthcare
Ingyo 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, Changqing 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-Transferabilitiy 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 Vullikanti, 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, Dezhi 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, Dongxiao 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 Cao, Hanwen Liang, Weiran Huang, Zewei Chen, Zhenguo Li

199- ML6985: Revisiting Probability Distribution Assumptions for Information Theoretic Feature Selection
Yuan Sun, Wei Wang, Michael Kirley, 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 Vreeken

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

207- ML8715: AutoCompress: An Automatic DNN Structured Pruning Framework for Ultra-High Compression Rates
Ning Liu, Xiaolong Ma, Zhiyuan Xu, Yanzhi 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, Alun 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
Nurali Virani, Naresh Iyer, Zhaoyuan 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 Pei, Wouter Duivesteijn, Mykola Pechenizkiy

215- ML9381: Morphism-Based Learning for Structured Data
Kilho 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 Teng, 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 Qiu, Bin Fu, Yang Li, Zhenglu Yang, Jian Sun

229- NLP2087: Parsing as Pretraining
David Vilares, Michalina Strzyz, Anders Søgaard, Carlos Gómez-Rodríguez

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

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, Jingfang 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

235- NLP3057: PHASEN: A Phase-and-Harmonics-Aware Speech Enhancement Network
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, Haiqing 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
Kyungjae Lee, Nan Duan, Lei Ji, Jason Li, Seung-won Hwang

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
Zhengqiu 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
Mimansa Jaiswal, Emily Mower Provost

249- NLP4304: Improving Context-Aware Neural Machine Translation Using Self-Attentive Sentence Embedding
Hyeongu 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, Busra Celikkaya, Parminder Bhatia, Chandan K. Reddy

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

255- NLP4824: FPETS : Fully Parallel End-to-End Text-to-Speech System
Dabiao Ma, Zhiba Su, Wenxuan 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
Qianhui Wu, Zijia Lin, Guoxin Wang, Hui Chen, Börje F. Karlsson, Biqing Huang, Chin-Yew Lin

258- NLP5017: Global Greedy Dependency Parsing
Zuchao 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 Bouraoui, 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, Ruifang 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
Haoxi Zhong, 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 Ultra 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, Zhuoren 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, Kuldip K. Paliwal, Fanhua Shang

275- NLP6878: Knowledge-Enriched Visual Storytelling
Chao-Chun Hsu, Zi-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, Anandhavelu Natarajan, Vasudeva Varma

278- NLP7014: Is BERT Really Robust? A Strong Baseline for Natural Language Attack on Text Classification and Entailment
Di Jin, Zhijing 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, Dhanajit Brahma, Harish Karnick, Piyush Rai

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

295- NLP8406: Semi-Supervised Learning on Meta Structure: Multi-Task Tagging and Parsing in Low-Resource Scenarios
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-tur

301- NLP8918: Hierarchical Reinforcement Learning for Open-Domain Dialog
Abdelrhman 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 Onoe, 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

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312- NLP9842: WINOGRANDE: 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

315- NLP10052: Towards Scalable Multi-Domain Conversational Agents: The Schema-Guided Dialogue Dataset
Abhinav Rastogi, Xiaoxue Zang, Srinivas Sunkara, Raghav Gupta, Pranav Khaitan

316- NLP10152: MALA: Cross-Domain Dialogue Generation with Action Learning
Xinting Huang, Jianzhong Qi, Yu Sun, Rui Zhang

Planning, Routing, and Scheduling (PRS)

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

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

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

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

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

322- PRS9125: Semantic Attachments for HTN Planning
Maurício Cecílio Magnaguagno, Felipe Meneguzzi

Robotics (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
Tianying Wang, Wei Qi Toh, Hao Zhang, Xiuchao Sui, 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, Raunaq Bhirangi, Matthew Travers, Howie Choset

331- ROB8926: 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
Malihe Alikhani, Baber Khalid, Rahul Shome, Chaitanya Mitash, Kostas Bekris, Matthew Stone

333- RU690: A MaxSAT-Based Framework for Group Testing
Lorenzo Ciampiconi, Bishwamittra Ghosh, Jonathan Scarlett, Kuldeep S 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 Vasile

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 Naive Bayes Classifiers by Discovering and Eliminating Discrimination Patterns
YooJung Choi, Golnoosh Farnadi, Behrouz Babaki, Guy Van den Broeck

338- RU5918: An Efficient Algorithm for Counting Markov Equivalent DAGs
Robert Ganian, Thekla 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, Akihiro Kishimoto, Adi Botea

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

342- RU9228: Probabilistic Reasoning across the Causal Hierarchy
Duligur 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 Hongsuck Seo, Piyush Sharma, Tomer Levinboim, Bohyung Han, Radu Soricut

345- VIS171: 3D Crowd Counting via Multi-View Fusion with 3D Gaussian Kernels
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467- VIS7561: An Efficient Framework for Dense Video Captioning
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468- VIS7653: Frame-Guided Region-Aligned Representation for Video Person Re-Identification
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478- VIS10343: Convolutional Hierarchical Attention Network for Query-Focused Video Summarization
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491- DC298: Explainability in Autonomous Pedagogical Agents
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514- UC776: Harmful Feedback Loops in Unequitable Criminal Justice AI Models
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515- UC780: Search Tree Pruning for Progressive Neural Architecture Search Research Summary
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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 Lin, 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

523- SA456: American Sign Language Recognition Using an FMCW Wireless Sensor
Yuanqi Du, Nguyen Dang, Riley Wilkerson, Parth Pathak, Huzefa Rangwala, Jana Kosecka

524- SA457: Streaming Batch Gradient Tracking for Neural Network Training
Siyuan 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, Fatiha 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 Chang

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

537- SA494: Learning to Classify the Wrong Answers for Multiple Choice Question Answering
Hyeondey 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, Yaju 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 Bulathwela, María Pérez Ortiz, Emine Yilmaz, John Shawe-Taylor

549- SA524: Combating False Negatives in Adversarial Imitation Learning
Konrad Zolna, Chitwan Saharia, Leonard Boussioux, David Yu-Tung Hui, Maxime Chevalier-Boisvert, Dzmitry 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, Afsaneh 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
Edoardo 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, Rajiv Shah, Ramit Sawhney

Demos

1- DEMO258: Deep Poetry: A Chinese Classical Poetry Generation System
Yusen Liu, Dayiheng Liu, Jiancheng Lv

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

3- DEMO388: PARTNER: Human-in-the-Loop Entity Name Understanding with Deep Learning
Kun Qian, Poornima Chozhiyath 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 Barták, Jiří Švancara, Ivan Krasičenko

6- DEMO424: Diana's World: A Situated Multimodal Interactive Agent
Nikhil Krishnaswamy, Pradyumna Narayana, Rahul Bangar, Kyeongmin Rim, Dhruva 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, Shirin 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
Chenze Shao, Jinchao Zhang, Yang Feng, Fandong Meng, Jie Zhou

2- AIW1249: GRET: Global Representation Enhanced Transformer
Rongxiang Weng, Haoran Wei, Shujian Huang, Heng Yu, Lidong Bing, Weihua Luo, Jiajun Chen

3- AIW2863: Efficient Heterogeneous Collaborative Filtering without Negative Sampling for Recommendation
Chong Chen, Min Zhang, Yongfeng Zhang, Weizhi Ma, Yiqun Liu, Shaoping Ma

4- AIW3162: Knowledge Graph Alignment Network with Gated Multi-Hop Neighborhood Aggregation
Zequn Sun, Chengming Wang, Wei Hu, Muhao Chen, Jian Dai, Wei Zhang, Yuzhong Qu

5- AIW3186: Balancing Spreads of Influence in a Social Network
Ruben Becker, Federico Corò, Gianlorenzo D'Angelo, Hugo Gilbert

6- AIW3254: Unsupervised Neural Dialect Translation with Commonality and Diversity Modeling
Yu Wan, 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
Giuseppe Pirrò

8- AIW4363: MetaMT, a Meta Learning Method Leveraging Multiple Domain Data for Low Resource Machine Translation
Rumeng Li, Xun Wang, Hong Yu

9- AIW4475: Mining Unfollow Behavior in Large-Scale Online Social Networks via Spatial-Temporal Interaction
Haozhe Wu, Zhiyuan Hu, Jia Jia, Yaohua Bu, Xiangnan He, Tat-Seng Chua

10- AIW4623: Gradient Method for Continuous Influence Maximization with Budget-Saving Considerations
Wei Chen, Weizhong Zhang, Haoyu Zhao

11- AIW4688: Question-Driven Purchasing Propensity Analysis for Recommendation
Long Chen, Ziyu Guan, Qibin Xu, Qiong Zhang, Huan Sun, Guangyue Lu, Deng Cai

12- AIW4802: D2D-LSTM: LSTM-Based Path Prediction of Content Diffusion Tree in Device-to-Device Social Networks
Heng Zhang, Xiaofei Wang, Jiawen Chen, Chenyang Wang, Jianxin Li

13- AIW5041: A Variational Point Process Approach for Social Event Sequences
Zhen Pan, Zhenya Huang, Defu Lian, Enhong Chen

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- AIW6145: Exponential Family Graph Embeddings
Abdulkadir Çelikkanat, Fragkiskos D. Malliaros

17- AIW6422: Alignment-Enhanced Transformer for Constraining NMT with Pre-Specified Translations
Kai Song, Kun 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 Ji, 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, Jufeng Yang, Tengfei Xing, Pengfei Xu, Runbo Hu, Hua Chai, Kurt Keutzer

21- AIW7366: Multi-Feature Discrete Collaborative Filtering for Fast Cold-Start Recommendation
Yang Xu, Lei Zhu, Zhiyong Cheng, Jingjing Li, Jiande Sun

22- AIW7426: Author Name Disambiguation on Heterogeneous Information Network with Adversarial Representation Learning
Haiwen Wang, Ruijie Wang, Chuan Wen, Shuhao Li, Yuting Jia, Weinan Zhang, Xinbing Wang

23- AIW7620: Social Influence Does Matter: User Action Prediction for In-Feed Advertising
Hongyang Wang, Qingfei Meng, Ju Fan, Yuchen Li, Laizhong Cui, Xiaoman Zhao, Chong Peng, Gong Chen, Xiaoyong Du

24- AIW7804: Modeling Fluency and Faithfulness for Diverse Neural Machine Translation
Yang Feng, 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, Shujian Huang, Shanbo Cheng, Weihua Luo

26- AIW8617: Balancing Quality and Human Involvement: an Effective Approach to Interactive Neural Machine Translation
Tianxiang 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
Dilruk Perera, Roger Zimmermann

28- AIW9423: Infusing Knowledge into the Textual Entailment Task Using Graph Convolutional Networks
Pavan Kapanipathi, Veronika Thost, Siva Sankalp Patel, Spencer Whitehead, Ibrahim Abdelaziz, Avinash Balakrishnan, Maria Chang, Kshitij Fadnis, Chulaka Gunasekara, Bassem Makni, Nicholas Mattei, Kartik Talamadupula, Achille Fokoue

29- AIW9616: Preserving Ordinal Consensus: Towards Feature Selection for Unlabeled Data
Jun Guo, Heng Chang, Wenwu Zhu

Applications (APP)

30- APP46: Geometry-Constrained Car Recognition Using a 3D Perspective Network
Rui Zeng, Zongyuan Ge, Simon Denman, Sridha Sridharan, Clinton Fookes

31- APP311: Accurate Structured-Text Spotting for Arithmetical Exercise Correction
Yiqing Hu, Yan Zheng, Hao Liu, Deqiang Jiang, Yinsong Liu, Bo Ren

32- APP361: Learning to Generate Maps from Trajectories
Sijie Ruan, Cheng Long, Jie Bao, Chunyang Li, Zisheng Yu, Ruiyuan Li, Yuxuan Liang, Tianfu He, Yu Zheng

33- APP1016: RL-Duet: Online Music Accompaniment Generation Using Deep Reinforcement Learning
Nan Jiang, Sheng Jin, Zhiyao Duan, Changshui Zhang

34- APP1050: Attention Based Data Hiding with Generative Adversarial Networks
Chong Yu

35- APP1307: PEIA: Personality and Emotion Integrated Attentive Model for Music Recommendation on Social Media Platforms
Tiancheng Shen, Jia Jia, Yan Li, Yihui Ma, Yaohua Bu, Hanjie Wang, Bo Chen, Tat-Seng Chua, Wendy Hall

36- APP1692: Convergence of Opinion Diffusion is PSPACE-Complete
Dmitry Chistikov, Grzegorz Lisowski, Mike Paterson, Paolo Turrini

37- APP1703: Adversarial Deep Network Embedding for Cross-Network Node Classification
Xiao Shen, Quanyu Dai, Fu-lai Chung, Wei Lu, Kup-Sze Choi

38- APP2214: MetaLight: Value-Based Meta-Reinforcement Learning for Traffic Signal Control
Xinshi Zang, Huaxiu Yao, Guanjie Zheng, Nan Xu, Kai Xu, Zhenhui Li

39- APP3004: DeepDualMapper: A Gated Fusion Network for Automatic Map Extraction using Aerial Images and Trajectories
Hao Wu, Hanyuan Zhang, Xinyu Zhang, Weiwei Sun, Baihua Zheng, Yuning Jiang

40- APP3716: Generate (Non-Software) Bugs to Fool Classifiers
Hiromu Yakura, Youhei Akimoto, Jun Sakuma

41- APP4055: Gait Recognition for Co-Existing Multiple People Using Millimeter Wave Sensing
Zhen Meng, Song Fu, Jie Yan, Hongyuan Liang, Anfu Zhou, Shilin Zhu, Huadong Ma, Jianhua Liu, Ning Yang

42- APP4804: Graph Convolutional Networks with Markov Random Field Reasoning for Social Spammer Detection
Yongji Wu, Defu Lian, Yiheng Xu, Le Wu, Enhong Chen

43- APP5506: Continuous Multiagent Control Using Collective Behavior Entropy for Large-Scale Home Energy Management
Jianwen Sun, Yan Zheng, Jianye Hao, Zhaopeng Meng, Yang Liu

44- APP5649: Adaptive Greedy versus Non-adaptive Greedy for Influence Maximization
Wei Chen, Binghui Peng, Grant Schoenebeck, Biaoshuai Tao

45- APP6104: Predictive Student Modeling in Educational Games with Multi-Task Learning
Michael Geden, Andrew Emerson, Jonathan Rowe, Roger Azevedo, James Lester

46- APP6270: Scalable and Generalizable Social Bot Detection through Data Selection
Kai-Cheng Yang, Onur Varol, Pik-Mai Hui, Filippo Menczer

47- APP6392: Graduate Employment Prediction with Bias

Teng Guo, Feng Xia, Shihao Zhen, Xiaomei Bai, Dongyu Zhang, Zitao Liu, Jiliang Tang

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
Huangzhao Zhang, Zhuo Li, Ge Li, Lei Ma, Yang Liu, Zhi Jin

50- APP7093: ACTIVETHIEF: Model Extraction Using Active Learning and Unannotated Public Data
Soham Pal, Yash Gupta, Aditya Shukla, Aditya Kanade, Shirish Shevade, Vinod Ganapathy

51-APP7952: Instance-Wise Dynamic Sensor Selection for Human Activity Recognition
Xiaodong Yang, Yiqiang Chen, Hanchao Yu, Yingwei Zhang, Wang Lu, Ruizhe Sun

52- APP8266: Robust Low-Rank Discovery of Data-Driven Partial Differential Equations
Jun Li, Gan Sun, Guoshuai 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, Jianlong 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, Tzungyu Tsai, Honggang Yu, Tsung-Yi Ho, Yier Jin

58- APP9225: FuzzE: Fuzzy Fairness Evaluation of Offensive Language Classifiers on African-American English
Anthony Rios

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 Gaits
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)

62- CSO1117: Incremental Symmetry Breaking Constraints for Graph Search Problems
Avraham Itzhakov, Michael Codish

63- CSO2306: Finding Good Subtrees for Constraint Optimization Problems Using Frequent Pattern Mining
Hongbo Li, Jimmy H.M. Lee, He Mi, Minghao Yin

64- CSO3210: Explaining Propagators for String Edit Distance Constraints
Felix Winter, Nysret Musliu, Peter J. Stuckey

65- CSO3896: SPAN: A Stochastic Projected Approximate Newton Method
Xunpeng Huang, Xianfeng Liang, Zhengyang Liu, Lei Li, Yue Yu, Yitan Li

66- CSO4359: Grammar Filtering for Syntax-Guided Synthesis
Kairo Morton, William Hallahan, Elven Shum, Ruzica Piskac, Mark Santolucito

67- CSO5483: An Effective Hard Thresholding Method Based on Stochastic Variance Reduction for Nonconvex Sparse Learning
Guannan Liang, Qianqian Tong, Chunjiang Zhu, Jinbo Bi

68- CSO5838: A Particle Swarm Based Algorithm for Functional Distributed Constraint Optimization Problems
Moumita Choudhury, Saaduddin Mahmud, Md. Mosaddek Khan

69- CSO7068: Dynamic Programming for Predict+Optimise
Emir Demirović, Peter J. Stuckey, James Bailey, Jeffrey Chan, Christopher Leckie, Kotagiri Ramamohanarao, Tias Guns

70- CSO7111: Representative Solutions for Bi-Objective Optimisation
Emir Demirović, Nicolas Schwind

71- CSO7428: D-SPIDER-SFO: A Decentralized Optimization Algorithm with Faster Convergence Rate for Nonconvex Problems
Taoxing Pan, Jun Liu, Jie Wang

72- CSO7439: Modelling Diversity of Solutions
Linnea Ingmar, Maria Garcia de la Banda, Peter J. Stuckey, Guido Tack

73- CSO7649: Finding Most Compatible Phylogenetic Trees over Multi-State Characters
Tuukka Korhonen, Matti Järvisalo

Computational Sustainability (CSUS)

74- CSUS5897: End-to-End Game-Focused Learning of Adversary Behavior in Security Games
Andrew Perrault, Bryan Wilder, Eric Ewing, Aditya Mate, Bistra Dilkina, Milind Tambe

Game Playing and Interactive Entertainment (GPIE)

75- GPIE147: Fast and Robust Face-to-Parameter Translation for Game Character Auto-Creation
Tianyang Shi, Zhengxia Zou, Yi Yuan, Changjie Fan

76- GPIE1123: Mastering Complex Control in MOBA Games with Deep Reinforcement Learning
Deheng Ye, Zhao Liu, Mingfei Sun, Bei Shi, Peilin Zhao, Hao Wu, Hongsheng Yu, Shaojie Yang, Xipeng Wu, Qingwei Guo, Qiaobo Chen, Yinyuting Yin, Hao Zhang, Tengfei Shi, Liang Wang, Qiang Fu, Wei Yang, Lanxiao Huang

77- GPIE6731: A Character-Centric Neural Model for Automated Story Generation
Danyang Liu, Juntao Li , Meng-Hsuan Yu, Ziming Huang, Gongshen Liu, Dongyan Zhao, Rui Yan

78- GPIE7370: Generating Interactive Worlds with Text
Angela Fan, Jack Urbanek, Pratik Ringshia, Emily Dinan, Emma Qian, Siddharth Karamcheti, Shrimai Prabhumoye, Douwe Kiela, Tim Rocktäschel, Arthur Szlam, Jason Weston

79- GPIE8133: 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)

80- GTEP3035: All-Pay Bidding Games on Graphs
Guy Avni, Rasmus Ibsen-Jensen, Josef Tkadlec

81- GTEP3250: Multi-Type Resource Allocation with Partial Preferences
Haibin Wang, Sujoy Sikdar, Xiaoxi Guo, Lirong Xia, Yongzhi Cao, Hanpin Wang

82- GTEP3356: Defending with Shared Resources on a Network
Minming Li, Long Tran-Thanh, Xiaowei Wu

83- GTEP4068: Bidding in Smart Grid PDAs: Theory, Analysis and Strategy
Susobhan Ghosh, Sujit Gujar, Praveen Paruchuri, Easwar Subramanian, Sanjay P. Bhat

84- GTEP5931: Fair Division Through Information Withholding
Hadi Hosseini, Sujoy Sikdar, Rohit Vaish, Hejun Wang, Lirong Xia

85- GTEP6344: Bounded Incentives in Manipulating the Probabilistic Serial Rule
Zihe Wang, Zhide Wei, Jie Zhang

86- GTEP9035: Balancing the Tradeoff between Profit and Fairness in Rideshare Platforms During High-Demand Hours
Vedant Nanda, Pan Xu, Karthik Abinav Sankararaman, John P. Dickerson, Aravind Srinivasan

87- GTEP9217: An Analysis Framework for Metric Voting Based on LP Duality
David Kempe

88- GTEP9455: Strongly Budget Balanced Auctions for Multi-Sided Markets
Rica Gonen, Erel Segal-Halevi

89- GTEP9631: On the Max-Min Fair Stochastic Allocation of Indivisible Goods
Yasushi Kawase, Hanna Sumita

Human-AI Collaboration (HAC)

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

91- 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

Humans and AI (HAI)

92- HAI1044: Graph-Based Decoding Model for Functional Alignment of Unaligned fMRI Data
Weida Li, Mingxia Liu, Fang Chen, Daoqiang Zhang

93- HAI2747: Instance-Adaptive Graph for EEG Emotion Recognition
Tengfei Song, Suyuan Liu, Wenming Zheng, Yuan Zong, Zhen Cui

94- HAI2834: Harnessing GANs for Zero-Shot Learning of New Classes in Visual Speech Recognition
Yaman Kumar, Dhruva Sahrawat, Shubham Maheshwari, Debanjan Mahata, Amanda Stent, Yifang Yin, Rajiv Ratn Shah, Roger Zimmermann

95- HAI2840: Learning Graph Convolutional Network for Skeleton-Based Human Action Recognition by Neural Searching
Wei Peng, Xiaopeng Hong, Haoyu Chen, Guoying Zhao

96- HAI4406: GaSPing for Utility
Mengyang Gu, Debarun Bhattacharjya, Dharmashankar Subramanian

97- HAI6356: Understanding Medical Conversations with Scattered Keyword Attention and Weak Supervision from Responses
Xiaoming Shi, Haifeng Hu, Wanxiang Che, Zhongqian Sun, Ting Liu, Junzhou Huang

98- HAI7330: Multi-Source Domain Adaptation for Visual Sentiment Classification
Chuang Lin, Sicheng Zhao, Lei Meng, Tat-Seng Chua

99- HAI8773: Crowd-Assisted Disaster Scene Assessment with Human-AI Interactive Attention
Daniel (Yue) Zhang, Yifeng Huang, Yang Zhang, Dong Wang

Human-Computation and Crowd Sourcing (HCC)

100- HCC3482: HirePeer: Impartial Peer-Assessed Hiring at Scale in Expert Crowdsourcing Markets
Yasmine Kotturi, Anson Kahng, Ariel D. Procaccia, Chinmay Kulkarni

101- HCC6132: Cost-Accuracy Aware Adaptive Labeling for Active Learning
Ruijiang Gao, Maytal Saar-Tsechansky

102- HCC8901: BAR - A Reinforcement Learning Agent for Bounding-Box Automated Refinement
Morgane Ayle, Jimmy Tekli, Julia Zini, Boulos El Asmar, Mariette Awad

Heuristic Search and Optimization (HSO)

103- HSO6317: Runtime Analysis of Somatic Contiguous Hypermutation Operators in MOEA/D Framework
Zhengxin Huang, Yuren Zhou

104- HSO8308: How the Duration of the Learning Period Affects the Performance of Random Gradient Selection Hyper-Heuristics
Andrei Lissovoi, Pietro S. Oliveto, John Alasdair Warwicker

Knowledge Representation and Reasoning (KRR)

105- KRR1114: A Framework for Measuring Information Asymmetry
Yakoub Salhi

106- KRR2150: Efficient Model-Based Diagnosis of Sequential Circuits
Alexander Feldman, Ingo Pill, Franz Wotawa, Ion Matei, Johan de Kleer

107- KRR3019: Learning Hierarchy-Aware Knowledge Graph Embeddings for Link Prediction
Zhanqiu Zhang, Jianyu Cai, Yongdong Zhang, Jie Wang

108- KRR4154: Proportional Belief Merging
Adrian Haret, Martin Lackner, Andreas Pfandler, Johannes P. Wallner

109- KRR4321: Forgetting an Argument
Ringo Baumann, Dov Gabbay, Odinaldo Rodrigues

110- KRR5123: Aggregation of Perspectives Using the Constellations Approach to Probabilistic Argumentation
Anthony Hunter, Kawsar Noor

111- KRR5378: Revisiting the Foundations of Abstract Argumentation – Semantics Based on Weak Admissibility and Weak Defense
Ringo Baumann, Gerhard Brewka, Markus Ulbricht

112- KRR6200: Logics for Sizes with Union or Intersection
Caleb Kisby, Saúl A. Blanco, Alex Kruckman, Lawrence S. Moss

113- KRR7458: Deciding Acceptance in Incomplete Argumentation Frameworks
Andreas Niskanen, Daniel Neugebauer, Matti Järvisalo, Jörg Rothe

114- KRR8986: InteractE: Improving Convolution-Based Knowledge Graph Embeddings by Increasing Feature Interactions
Shikhar Vashishth, Soumya Sanyal, Vikram Nitin, Nilesh Agrawal, Partha Talukdar

115- KRR10320: Parameterised Resource-Bounded ATL
Natasha Alechina, Stéphane Demri, Brian Logan

Multiagent Systems (MAS)

116- MAS1598: Partner Selection for the Emergence of Cooperation in Multi-Agent Systems Using Reinforcement Learning
Nicolas Anastassacos, Steve Hailes, Mirco Musolesi

117- MAS1604: Modeling Probabilistic Commitments for Maintenance Is Inherently Harder Than for Achievement
Qi Zhang, Edmund H. Durfee, Satinder Singh

118- MAS1798: Clouseau: Generating Communication Protocols from Commitments
Munindar P. Singh, Amit K. Chopra

119- MAS2099: From Few to More: Large-Scale Dynamic Multiagent Curriculum Learning
Weixun Wang, Tianpei Yang, Yong Liu, Jianye Hao, Xiaotian Hao, Yujing Hu, Yingfeng Chen, Changjie Fan, Yang Gao

120- MAS2801: Distributed Stochastic Gradient Descent with Event-Triggered Communication
Jemin George, Prudhvi Gurram

121- MAS3001: Idle Time Optimization for Target Assignment and Path Finding in Sortation Centers
Ngai Meng Kou, Cheng Peng, Hang Ma, T. K. Satish Kumar, Sven Koenig

122- MAS3951: An Operational Semantics for True Concurrency in BDI Agent Systems
Lavindra de Silva

123- MAS5101: Distributed Machine Learning through Heterogeneous Edge Systems
Hanpeng Hu, Dan Wang, Chuan Wu

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, Haitham 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, Wenxin 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, Michał Zając, Olivier Bachem, Lasse Espeholt, Carlos Riquelme, Damien Vincent, Marcin Michalski, Olivier Bousquet, Sylvain Gelly

132- ML368: URNet : User-Resizable 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, Chunjing 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 Emtiyaz 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, Yizhou 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 Baktashmotlagh, 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 Cerutti, 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, Mingli 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
Zhaohui 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 Wojcicki, 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, Li'an Zhuo, Baochang Zhang, Xiawu Zheng, Jianzhuang Liu, David Doermann, Rongrong Ji

154- ML1718: Rank3DGAN: Semantic Mesh Generation Using Relative Attributes
Yassir Saquil, Qun-Ce 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
Hanming 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, Parikshit Ram, Deepak Vijaykeerthy, Djallel Bouneffouf, 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, Jiang Bian, Tie-Yan Liu

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

163- ML2116: High Tissue Contrast MRI Synthesis Using Multi-Stage Attention-GAN for Glioma 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
Linnan 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, Kaiqi Zhao, Xuan Lin, Zhe Quan, Zhi-Jie Wang

171- ML2511: A Knowledge-Aware Attentional Reasoning Network for Recommendation
Qiannan 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, Tianbao 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
Ruohan Zhang, Calen Walshe, Zhuode Liu, Lin Guan, Karl S. Muller, Jake A. Whritner, 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, Siyue Wang, Xue Lin

179- ML2982: Regularized Training and Tight Certification for Randomized Smoothed Classifier 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, Zhifeng Kong, Ngai Wong, Dahua Lin, Luca Daniel

181- ML3076: Going Deep: Graph Convolutional Ladder-Shape Networks
Ruiqi 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
Shin'ya Yamaguchi, Sekitoshi Kanai, Takeharu Eda

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

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

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

188- ML3274: Towards Accurate Low Bit-Width Quantization with Multiple Phase Adaptations
Zhaoyi Yan, Yemin Shi, Yaowei 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 Salti, Yakir Berchenko

191- ML3316: DIANet: 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

194- ML3380: Maximum Likelihood Embedding of Logistic Random Dot Product Graphs
Luke O'Connor, Muriel Medard, Soheil Feizi

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 Vodrahalli, Thomas Leech, Cristian-Ioan 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

198- ML3515: AdaFilter: Adaptive Filter Fine-Tuning for Deep Transfer Learning
Yunhui Guo, Yandong Li, Liqiang Wang, Tajana Rosing

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

200- ML3573: Infinity Learning: Learning Markov Chains from Aggregate Steady-State Observations
Jianfei Gao, Mohamed A. Zahran, Amit Sheoran, Sonia Fahmy, Bruno Ribeiro

201- ML3684: Towards Fine-Grained Temporal Network Representation via Time-Reinforced Random Walk
Zhining Liu, Dawei Zhou, Yada Zhu, Jinjie Gu, Jingrui He

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

203- ML3787: RTN: Reparameterized Ternary Network
Yuhang Li, Xin Dong, Sai Qian Zhang, Haoli Bai, 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, Zhanxing Zhu

206- ML4001: Unified Graph and Low-Rank Tensor Learning for Multi-View Clustering
Jianlong Wu, Xingxu Xie, 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

210- ML4098: HoMM: Higher-Order Moment Matching for Unsupervised Domain Adaptation
Chao Chen, Zhihang Fu, Zhihong Chen, Sheng Jin, Zhaowei Cheng, Xinyu Jin, Xian-Sheng Hua

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

214- ML4239: Exploratory Combinatorial Optimization with Reinforcement Learning
Thomas D. Barrett, William R. Clements, Jakob N. Foerster, A. I. Lvovsky

215- ML4254: Algorithmic Improvements for Deep Reinforcement Learning Applied to Interactive Fiction
Vishal Jain, William Fedus, Hugo Larochelle, Doina Precup, Marc G. Bellemare

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, Karthik Raman

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

220- ML4495: Robust Self-Weighted Multi-View Projection Clustering
Beilei 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, Jianhao 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
Hyoungjin 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
Junyu 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
Mengxiao Hu, Jinlong Li, Maolin Hu, Tao Hu

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

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

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

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

235- ML5327: An Attention-Based Graph Neural Network for Heterogeneous Structural Learning
Huiting Hong, Hantao Guo, Yucheng Lin, Xiaoqing 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

237- ML5438: FFA-Net: Feature Fusion Attention Network for Single Image Dehazing
Xu Qin, Zhilin Wang, Yuanchao Bai, Xiaodong Xie, Huizhu Jia

238- ML5549: 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
Zheyan 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 Suzumura, 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, Shirui 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, Dharmashankar 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 Natarajan

254- ML6146: A Forest from the Trees: Generation through Neighborhoods
Yang Li, Tianxiang Gao, Junier B. Oliva

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, Zhitao 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, Mengya 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, Peiyan 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
Aditya Grover, Christopher Chute, Rui Shu, Zhangjie Cao, Stefano Ermon

267- ML6866: Robustness Certificates for Sparse Adversarial Attacks by Randomized Ablation
Alexander Levine, Soheil Feizi

268- ML6879: Building Calibrated Deep Models via Uncertainty Matching with Auxiliary Interval Predictors
Jayaraman J. Thiagarajan, Bindya Venkatesh, Prasanna Sattigeri, Peer-Timo Bremer

269- ML6881: CD-UAP: Class Discriminative Universal Adversarial Perturbation
Chaoning Zhang, Philipp Benz, Tooba Imtiaz, In-So Kweon

270- ML6984: Learning Signed Network Embedding via Graph Attention
Yu Li, Yuan Tian, Jiawei Zhang, Yi Chang

271- ML7092: Neural Inheritance Relation Guided One-Shot Layer Assignment Search
Rang Meng, Weijie Chen, Di Xie, Yuan Zhang, Shiliang Pu

272- ML7141: Observe Before Play: Multi-Armed Bandit with Pre-Observations
Jinhang Zuo, Xiaoxi Zhang, Carlee Joe-Wong

273- ML7148: An Efficient Explorative Sampling Considering the Generative Boundaries of Deep Generative Neural Networks
Giyoung Jeon, Haedong Jeong, Jaesik Choi

274- ML7152: Variational Inference for Sparse Gaussian Process Modulated Hawkes Process
Rui Zhang, Christian Walder, Marian-Andrei Rizoiu

275- ML7164: A Cluster-Weighted Kernel K-Means Method for Multi-View Clustering
Jing Liu, Fuyuan Cao, Xiao-Zhi Gao, Liqin Yu, Jiye Liang

276- ML7179: DefogGAN: Predicting Hidden Information in the StarCraft Fog of War with Generative Adversarial Nets
Yonghyun Jeong, Hyunjin Choi, Byoungjip Kim, Youngjune Gwon

277- ML7182: Deep Embedded Non-Redundant Clustering
Lukas Miklautz, Dominik Mautz, Muzaffer Can Altinigneli, Christian Böhm, Claudia Plant

278- ML7196: Introducing Probabilistic Bézier Curves for N-Step Sequence Prediction
Ronny Hug, Wolfgang Hübner, Michael Arens

279- ML7207: A Skip-Connected Evolving Recurrent Neural Network for Data Stream Classification under Label Latency Scenario
Monidipa Das, Mahardhika Pratama, Jie Zhang, Yew Soon Ong

280- ML7214: Aggregated Gradient Langevin Dynamics
Chao Zhang, Jiahao Xie, Zebang Shen, Peilin Zhao, Tengfei Zhou, Hui Qian

281- ML7442: Adversarial Attack on Deep Product Quantization Network for Image Retrieval
Yan Feng, Bin Chen, Tao Dai, Shu-Tao Xia

282- ML7460: Heterogeneous Transfer Learning with Weighted Instance-Correspondence Data
Yuwei He, Xiaoming Jin, Guiguang Ding, Yuchen Guo, Jungong Han, Jiyong Zhang, Sicheng Zhao

283- ML7665: Unsupervised Metric Learning with Synthetic Examples
Ujjal Kr Dutta, Mehrtash Harandi, C Chandra Sekhar

284- ML7734: Fairness for Robust Log Loss Classification
Ashkan Rezaei, Rizal Fathony, Omid Memarrast, Brian Ziebart

285- ML7866: Optimal Margin Distribution Learning in Dynamic Environments
Teng Zhang, Peng Zhao, Hai Jin

286- ML7891: Hearing Lips: Improving Lip Reading by Distilling Speech Recognizers
Ya Zhao, Rui Xu, Xinchao Wang, Peng Hou, Haihong Tang, Mingli Song

287- ML8033: Simplify-Then-Translate: Automatic Preprocessing for Black-Box Translation
Sneha Mehta, Bahareh Azarnoush, Boris Chen, Avneesh Saluja, Vinith Misra, Ballav Bihani, Ritwik Kumar

288- ML8143: Capsule Routing via Variational Bayes
Fabio De Sousa Ribeiro, Georgios Leontidis, Stefanos Kollias

289- ML8186: LMLFM: Longitudinal Multi-Level Factorization Machine
Junjie Liang, Dongkuan Xu, Yiwei Sun, Vasant Honavar

290- ML8283: Synthesizing Action Sequences for Modifying Model Decisions
Goutham Ramakrishnan, Yun Chan Lee, Aws Albarghouthi

291- ML8400: Improved Knowledge Distillation via Teacher Assistant
Seyed Iman Mirzadeh, Mehrdad Farajtabar, Ang Li, Nir Levine, Akihiro Matsukawa, Hassan Ghasemzadeh

292- ML8471: Learning to Crawl
Utkarsh Upadhyay, Róbert Busa-Fekete, Wojciech Kotlowski, Dávid Pál, Balázs Szörényi

293- ML8615: Stochastic Approximate Gradient Descent via the Langevin Algorithm
Yixuan Qiu, Xiao Wang

294- ML8767: Vector Quantization-Based Regularization for Autoencoders
Hanwei Wu, Markus Flierl

295- ML8857: Weakly Supervised Sequence Tagging from Noisy Rules
Esteban Safranchik, Shiying Luo, Stephen H. Bach

296- ML9018: ScaleNet - Improve CNNs through Recursively Rescaling Objects
Xingyi Li, Zhongang Qi, Xiaoli Z. Fern, Li Fuxin

297- ML9158: Distributed Primal-Dual Optimization for Online Multi-Task Learning
Peng Yang, Ping Li

298- ML9165: EPOC: Efficient Perception via Optimal Communication
Masoumeh Heidari Kapourchali, Bonny Banerjee

299- ML9184: InvNet: Encoding Geometric and Statistical Invariances in Deep Generative Models
Ameya Joshi, Minsu Cho, Viraj Shah, Balaji Pokuri, Soumik Sarkar, Baskar Ganapathysubramanian, Chinmay Hegde

300- ML9260: Weighted-Sampling Audio Adversarial Example Attack
Xiaolei Liu, Kun Wan, Yufei Ding, Xiaosong Zhang, Qingxin Zhu

301- ML9315: IVFS: Simple and Efficient Feature Selection for High Dimensional Topology Preservation
Xiaoyun Li, Chengxi Wu, Ping Li

302- ML9335: Robust Gradient-Based Markov Subsampling
Tieliang Gong, Quanhan Xi, Chen Xu

303- ML9405: Interactive Fiction Games: A Colossal Adventure
Matthew Hausknecht, Prithviraj Ammanabrolu, Marc-Alexandre Côté, Xingdi Yuan

304- ML9792: Hidden Trigger Backdoor Attacks
Aniruddha Saha, Akshayvarun Subramanya, Hamed Pirsiavash

305- ML9804: Differential Equation Units: Learning Functional Forms of Activation Functions from Data

MohamadAli Torkamani, Shiv Shankar, Amirmohammad Rooshenas, Phillip Wallis

306- ML9980: Parameterized Indexed Value Function for Efficient Exploration in Reinforcement Learning
Tian Tan, Zhihan Xiong, Vikranth R. Dwaracherla

307- ML10104: Adversarial Dynamic Shapelet Networks
Qianli Ma, Wanqing Zhuang, Sen Li, Desen Huang, Garrison W. Cottrell

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308- NLP1150: Target-Aspect-Sentiment Joint Detection for Aspect-Based Sentiment Analysis
Hai Wan, Yufei Yang, Jianfeng Du, Yanan Liu, Kunxun Qi, Jeff Z. Pan

309- NLP1681: Generating Persona Consistent Dialogues by Exploiting Natural Language Inference
Haoyu Song, Wei-Nan Zhang, Jingwen Hu, Ting Liu

310- NLP1741: Corpus Wide Argument Mining – a Working Solution
Liat Ein-Dor, Eyal Shnarch, Lena Dankin, Alon Halfon, Benjamin Sznajder, Ariel Gera, Carlos Alzate, Martin Gleize, Leshem Choshen, Yufang Hou, Yonatan Bilu, Ranit Aharonov, Noam Slonim

311- NLP1753: Message Passing Attention Networks for Document Understanding
Giannis Nikolentzos, Antoine J.-P. Tixier, Michalis Vazirgiannis

312- NLP1846: Improving Domain-Adapted Sentiment Classification by Deep Adversarial Mutual Learning
Qianming Xue, Wei Zhang, Hongyuan Zha

313- NLP2014: Hyperbolic Interaction Model for Hierarchical Multi-Label Classification
Boli Chen, Xin Huang, Lin Xiao, Zixin Cai, Liping Jing

314- NLP2108: RefNet: A Reference-Aware Network for Background Based Conversation
Chuan Meng, Pengjie Ren, Zhumin Chen, Christof Monz, Jun Ma, Maarten de Rijke

315- NLP2192: Learning Long- and Short-Term User Literal-Preference with Multimodal Hierarchical Transformer Network for Personalized Image Caption
Wei Zhang, Yue Ying, Pan Lu, Hongyuan Zha

316- NLP2311: Solving Sequential Text Classification as Board-Game Playing
Chen Qian, Fuli Feng, Lijie Wen, Zhenpeng Chen, Li Lin, Yanan Zheng, Tat-Seng Chua

317- NLP2694: Graph LSTM with Context-Gated Mechanism for Spoken Language Understanding
Linhao Zhang, Dehong Ma, Xiaodong Zhang, Xiaohui Yan, Houfeng Wang

318- NLP3194: CAWA: An Attention-Network for Credit Attribution
Saurav Manchanda, George Karypis

319- NLP3203: Self-Attention Enhanced Selective Gate with Entity-Aware Embedding for Distantly Supervised Relation Extraction
Yang Li, Guodong Long, Tao Shen, Tianyi Zhou, Lina Yao, Huan Huo, Jing Jiang

320- NLP3623: Unsupervised Interlingual Semantic Representations from Sentence Embeddings for Zero-Shot Cross-Lingual Transfer
Channy Hong, Jaeyeon Lee, Jung Kwon Lee

321- NLP3644: An Annotated Corpus of Reference Resolution for Interpreting Common Grounding
Takuma Udagawa, Akiko Aizawa

322- NLP3822: Span-Based Neural Buffer: Towards Efficient and Effective Utilization of Long-Distance Context for Neural Sequence Models
Yangming Li, Kaisheng Yao, Libo Qin, Shuang Peng, Yijia Liu, Xiaolong Li

323- NLP3925: Learning from Easy to Complex: Adaptive Multi-Curricula Learning for Neural Dialogue Generation
Hengyi Cai, Hongshen Chen, Cheng Zhang, Yonghao Song, Xiaofang Zhao, Yangxi Li, Dongsheng Duan, Dawei Yin

324- NLP3953: Be Relevant, Non-Redundant, Timely: Deep Reinforcement Learning for Real-Time Event Summarization
Min Yang, Chengming Li, Fei Sun, Zhou Zhao, Ying Shen, Chenglin Wu

325- NLP3955: Simultaneous Learning of Pivots and Representations for Cross-Domain Sentiment Classification
Liang Li, Weirui Ye, Mingsheng Long, Yateng Tang, Jin Xu, Jianmin Wang

326- NLP4018: Improving Knowledge-Aware Dialogue Generation via Knowledge Base Question Answering
Jian Wang, Junhao Liu, Wei Bi, Xiaojiang Liu, Kejing He, Ruifeng Xu, Min Yang

327- NLP4027: Do Not Have Enough Data? Deep Learning to the Rescue!
Ateret Anaby-Tavor, Boaz Carmeli, Esther Goldbraich, Amir Kantor, George Kour, Segev Shlomov, Naama Tepper, Naama Zwerdling

328- NLP4234: Real-Time Emotion Recognition via Attention Gated Hierarchical Memory Network
Wenxiang Jiao, Michael R. Lyu, Irwin King

329- NLP4433: Neural Snowball for Few-Shot Relation Learning
Tianyu Gao, Xu Han, Ruobing Xie, Zhiyuan Liu, Fen Lin, Leyu Lin, Maosong Sun

330- NLP4678: Revision in Continuous Space: Unsupervised Text Style Transfer without Adversarial Learning
Dayiheng Liu, Jie Fu, Yidan Zhang, Chris Pal, Jiancheng Lv

331- NLP4746: MOSS: End-to-End Dialog System Framework with Modular Supervision
Weixin Liang, Youzhi Tian, Chengcai Cheng, Zhou Yu

332- NLP4774: Neuron Interaction Based Representation Composition for Neural Machine Translation
Jian LI, Xing Wang, Baosong Yang, Shuming Shi, Michael R. Lyu, Zhaopeng Tu

333- NLP4794: Bridging the Gap between Pre-Training and Fine-Tuning for End-to-End Speech Translation
Chengyi Wang, Yu Wu, Shujie Liu, Zhenglu Yang, Ming Zhou

334- NLP5180: LeDeepChef: Deep Reinforcement Learning Agent for Families of Text-Based Games
Leonard Adolphs, Thomas Hofmann

335- NLP5249: CatGAN: Category-Aware Generative Adversarial Networks with Hierarchical Evolutionary Learning for Category Text Generation
Zhiyue Liu, Jiahai Wang, Zhiwei Liang

336- NLP5388: Span Model for Open Information Extraction on Accurate Corpus
Junlang Zhan, Hai Zhao

337- NLP5400: DCR-Net: A Deep Co-Interactive Relation Network for Joint Dialog Act Recognition and Sentiment Classification
Libo Qin, Wanxiang Che, Yangming Li, Minheng Ni, Ting Liu

338- NLP5499: Neural Simile Recognition with Cyclic Multitask Learning and Local Attention
Jiali Zeng, Linfeng Song, Jinsong Su, Jun Xie, Wei Song, Jiebo Luo

339- NLP5537: Inducing Relational Knowledge from BERT
Zied Bouraoui, Jose Camacho-Collados, Steven Schockaert

340- NLP5573: Latent Emotion Memory for Multi-Label Emotion Classification
Hao Fei, Yue Zhang, Yafeng Ren, Donghong Ji

341- NLP5595: Interpretable Rumor Detection in Microblogs by Attending to User Interactions
Ling Min Serena Khoo, Hai Leong Chieu, Zhong Qian, Jing Jiang

342- NLP5816: Relation Extraction with Convolutional Network over Learnable Syntax-Transport Graph
Kai Sun, Richong Zhang, Yongyi Mao, Samuel Mensah, Xudong Liu

343- NLP6086: Who did They Respond to? Conversation Structure Modeling Using Masked Hierarchical Transformer
Henghui Zhu, Feng Nan, Zhiguo Wang, Ramesh Nallapati, Bing Xiang

344- NLP6349: Dialog State Tracking with Reinforced Data Augmentation
Yichun Yin, Lifeng Shang, Xin Jiang, Xiao Chen, Qun Liu

345- NLP6375: Dynamic Knowledge Routing Network for Target-Guided Open-Domain Conversation
Jinghui Qin, Zheng Ye, Jianheng Tang, Xiaodan Liang

346- NLP6421: Predictive Engagement: An Efficient Metric for Automatic Evaluation of Open-Domain Dialogue Systems
Sarik Ghazarian, Ralph Weischedel, Aram Galstyan, Nanyun Peng

347- NLP6447: Tensor Graph Convolutional Networks for Text Classification
Xien Liu, Xinxin You, Xiao Zhang, Ji Wu, Ping Lv

348- NLP6484: A Pre-Training Based Personalized Dialogue Generation Model with Persona-Sparse Data
Yinhe Zheng, Rongsheng Zhang, Xiaoxi Mao, Minlie Huang

349- NLP6597: Asymmetrical Hierarchical Networks with Attentive Interactions for Interpretable Review-Based Recommendation
Xin Dong, Jingchao Ni, Wei Cheng, Zhengzhang Chen, Bo Zong, Dongjin Song, Yanchi Liu, Haifeng Chen, Gerard de Melo

350- NLP6643: Learning Relationships between Text, Audio, and Video via Deep Canonical Correlation for Multimodal Language Analysis
Zhongkai Sun, Prathusha K. Sarma, William A Sethares, Yingyu Liang

351- NLP6647: Story Realization: Expanding Plot Events into Sentences
Prithviraj Ammanabrolu, Ethan Tien, Wesley Cheung, Zhaochen Luo, William Ma, Lara J. Martin, Mark O. Riedl

352- NLP6756: Relational Graph Neural Network with Hierarchical Attention for Knowledge Graph Completion
Zhao Zhang, Fuzhen Zhuang, Hengshu Zhu, Zhiping Shi, Hui Xiong, Qing He

353- NLP6828: Complementary Auxiliary Classifiers for Label-Conditional Text Generation
Yuan Li, Chunyuan Li, Yizhe Zhang, Xiujun Li, Guoqing Zheng, Lawrence Carin, Jianfeng Gao

354- NLP6937: Multi-View Consistency for Relation Extraction via Mutual Information and Structure Prediction
Amir Pouran Ben Veyseh, Franck Dernoncourt, My Thai, Dejing Dou, Thien Huu Nguyen

355- NLP7124: Neural Machine Translation with Joint Representation
Yanyang Li, Qiang Wang, Tong Xiao, Tongran Liu, Jingbo Zhu

356- NLP7162: Multi-Label Patent Categorization with Non-Local Attention-Based Graph Convolutional Network
Pingjie Tang, Meng Jiang, Bryan (Ning) Xia, Jed W. Pitera, Jeffrey Welser, Nitesh V. Chawla

357- NLP7166: A Joint Model for Definition Extraction with Syntactic Connection and Semantic Consistency
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358- NLP7248: Coordinated Reasoning for Cross-Lingual Knowledge Graph Alignment
Kun Xu, Linfeng Song, Yansong Feng, Yan Song, Dong Yu

359- NLP7266: End-to-End Argumentation Knowledge Graph Construction
Khalid Al-Khatib, Yufang Hou, Henning Wachsmuth, Charles Jochim, Francesca Bonin, Benno Stein

360- NLP7388: Co-Attention Hierarchical Network: Generating Coherent Long Distractors for Reading Comprehension
Xiaorui Zhou, Senlin Luo, Yunfang Wu

361- NLP7408: Distilling Knowledge from Well-Informed Soft Labels for Neural Relation Extraction
Zhenyu Zhang, Xiaobo Shu, Bowen Yu, Tingwen Liu, Jiapeng Zhao, Quangang Li, Li Guo

362- NLP7441: Cross-Lingual Low-Resource Set-to-Description Retrieval for Global E-Commerce
Juntao Li , Chang Liu, Jian Wang, Lidong Bing, Hongsong Li, Xiaozhong Liu, Dongyan Zhao, Rui Yan

363- NLP7540: Joint Entity and Relation Extraction with a Hybrid Transformer and Reinforcement Learning Based Model
Ya Xiao, Chengxiang Tan, Zhijie Fan, Qian Xu, Wenye Zhu

364- NLP7566: Integrating Deep Learning with Logic Fusion for Information Extraction
Wenya Wang, Sinno Jialin Pan

365- NLP7577: Zero-Resource Cross-Lingual Named Entity Recognition
M Saiful Bari, Shafiq Joty, Prathyusha Jwalapuram

366- NLP7642: Knowing What, How and Why: A Near Complete Solution for Aspect-Based Sentiment Analysis
Haiyun Peng, Lu Xu, Lidong Bing, Fei Huang, Wei Lu, Luo Si

367- NLP7682: Cross-Lingual Natural Language Generation via Pre-Training
Zewen Chi, Li Dong, Furu Wei, Wenhui Wang, Xian-Ling Mao, Heyan Huang

368- NLP8277: Posterior-GAN: Towards Informative and Coherent Response Generation with Posterior Generative Adversarial Network
Shaoxiong Feng, Hongshen Chen, Kan Li, Dawei Yin

369- NLP8347: Open Domain Event Text Generation
Zihao Fu, Lidong Bing, Wai Lam

370- NLP8479: Mask & Focus: Conversation Modelling by Learning Concepts
Gaurav Pandey, Dinesh Raghu, Sachindra Joshi

371- NLP8678: Capturing Greater Context for Question Generation
Luu Anh Tuan, Darsh J Shah, Regina Barzilay

372- NLP8744: Meta-CoTGAN: A Meta Cooperative Training Paradigm for Improving Adversarial Text Generation
Haiyan Yin, Dingcheng Li, Xu Li, Ping Li

373- NLP9032: Multi-Scale Self-Attention for Text Classification
Qipeng Guo, Xipeng Qiu, Pengfei Liu, Xiangyang Xue, Zheng Zhang

374- NLP9069: AvgOut: A Simple Output-Probability Measure to Eliminate Dull Responses
Tong Niu, Mohit Bansal

375- NLP9160: Associating Natural Language Comment and Source Code Entities
Sheena Panthaplackel, Milos Gligoric, Raymond J. Mooney, Junyi Jessy Li

376- NLP9168: ALOHA: Artificial Learning of Human Attributes for Dialogue Agents
Aaron W. Li, Veronica Jiang, Steven Y. Feng, Julia Sprague, Wei Zhou, Jesse Hoey

377- NLP9262: One Homonym per Translation
Bradley Hauer, Grzegorz Kondrak

378- NLP9388: Dual Adversarial Co-Learning for Multi-Domain Text Classification
Yuan Wu, Yuhong Guo

379- NLP9399: CASIE: Extracting Cybersecurity Event Information from Text
Taneeya Satyapanich, Francis Ferraro, Tim Finin

380- NLP9586: Detecting Asks in Social Engineering Attacks: Impact of Linguistic and Structural Knowledge
Bonnie J. Dorr, Archna Bhatia, Adam Dalton, Brodie Mather, Bryanna Hebenstreit, Sashank Santhanam, Zhuo Cheng, Samira Shaikh, Alan Zemel, Tomek Strzalkowski

381- NLP9625: ICD Coding from Clinical Text Using Multi-Filter Residual Convolutional Neural Network
Fei Li, Hong Yu

382- NLP9649: End-to-End Trainable Non-Collaborative Dialog System
Yu Li, Kun Qian, Weiyan Shi, Zhou Yu

383- NLP9727: History-Adaption Knowledge Incorporation Mechanism for Multi-Turn Dialogue System
Yajing Sun, Yue Hu, Luxi Xing, Jing Yu, Yuqiang Xie

Planning, Routing, and Scheduling (PRS)

384- PRS838: Refining HTN Methods via Task Insertion with Preferences
Zhanhao Xiao, Hai Wan, Hankui Hankz Zhuo, Andreas Herzig, Laurent Perrussel, Peilin Chen

385- PRS2140: Temporal Planning with Intermediate Conditions and Effects
Alessandro Valentini, Andrea Micheli, Alessandro Cimatti

386- PRS3786: Monte-Carlo Tree Search in Continuous Action Spaces with Value Gradients
Jongmin Lee, Wonseok Jeon, Geon-Hyeong Kim, Kee-Eung Kim

387- PRS3849: Time-Inconsistent Planning: Simple Motivation Is Hard to Find
Fedor V. Fomin, Torstein J. F. Strømme

388- PRS4919: Symbolic Top-K Planning
David Speck, Robert Mattmüller, Bernhard Nebel

389- PRS5664: Online Planner Selection with Graph Neural Networks and Adaptive Scheduling
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390- PRS7590: Planning and Acting with Non-Deterministic Events: Navigating between Safe States
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391- PRS7719: Decidability and Complexity of Action-Based Temporal Planning over Dense Time
Nicola Gigante, Andrea Micheli, Angelo Montanari, Enrico Scala

392- PRS7738: Generalized Planning with Positive and Negative Examples
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393- PRS8066: Reinforcement Learning of Risk-Constrained Policies in Markov Decision Processes
Tomáš Brázdil, Krishnendu Chatterjee, Petr Novotný, Jiří Vahala

394- PRS9719: Active Goal Recognition
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395- PRS10305: Task and Motion Planning is PSPACE-Complete
William Vega-Brown, Nicholas Roy

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396- RU1394: Causal Transfer for Imitation Learning and Decision Making under Sensor-Shift
Jalal Etesami, Philipp Geiger

397- RU2193: Uncertainty-Aware Search Framework for Multi-Objective Bayesian Optimization
Syrine Belakaria, Aryan Deshwal, Nitthilan Kannappan Jayakodi, Janardhan Rao Doppa

398- RU2290: Regret Minimisation in Multi-Armed Bandits Using Bounded Arm Memory
Arghya Roy Chaudhuri, Shivaram Kalyanakrishnan

399- RU3189: Recovering Causal Structures from Low-Order Conditional Independencies
Marcel Wienöbst, Maciej Liśkiewicz

400- RU3531: A Near-Optimal Change-Detection Based Algorithm for Piecewise-Stationary Combinatorial Semi-Bandits
Huozhi Zhou, Lingda Wang, Lav R. Varshney, Ee-Peng Lim

401- RU3579: Reliable and Efficient Anytime Skeleton Learning
Rui Ding, Yanzhi Liu, Jingjing Tian, Zhouyu Fu, Shi Han, Dongmei Zhang

402- RU4174: Correcting Predictions for Approximate Bayesian Inference
Tomasz Kuśmierczyk, Joseph Sakaya, Arto Klami

403- RU4209: Multi-Fidelity Multi-Objective Bayesian Optimization: An Output Space Entropy Search Approach
Syrine Belakaria, Aryan Deshwal, Janardhan Rao Doppa

404- RU4369: Deception through Half-Truths
Andrew Estornell, Sanmay Das, Yevgeniy Vorobeychik

405- RU4419: The Choice Function Framework for Online Policy Improvement
Murugeswari Issakkimuthu, Alan Fern, Prasad Tadepalli

406- RU4712: A Simultaneous Discover-Identify Approach to Causal Inference in Linear Models
Chi Zhang, Bryant Chen, Judea Pearl

407- RU4863: A Bayesian Approach for Estimating Causal Effects from Observational Data
Johan Pensar, Topi Talvitie, Antti Hyttinen, Mikko Koivisto

408- RU5225: Adversarial Disentanglement with Grouped Observations
Jozsef Nemeth

409- RU6037: Estimating Causal Effects Using Weighting-Based Estimators
Yonghan Jung, Jin Tian, Elias Bareinboim

410- RU6175: Causal Discovery from Multiple Data Sets with Non-Identical Variable Sets
Biwei Huang, Kun Zhang, Mingming Gong, Clark Glymour

411- RU6225: Gradient-Based Optimization for Bayesian Preference Elicitation
Ivan Vendrov, Tyler Lu, Qingqing Huang, Craig Boutilier

412- RU6402: Robust Stochastic Bandit Algorithms under Probabilistic Unbounded Adversarial Attack
Ziwei Guan, Kaiyi Ji, Donald J. Bucci Jr., Timothy Y. Hu, Joseph Palombo, Michael Liston, Yingbin Liang

413- RU6812: Safe Linear Stochastic Bandits
Kia Khezeli, Eilyan Bitar

414- RU6821: Incentivized Exploration for Multi-Armed Bandits under Reward Drift
Zhiyuan Liu, Huazheng Wang, Fan Shen, Kai Liu, Lijun Chen

415- RU7531: A Stochastic Derivative-Free Optimization Method with Importance Sampling: Theory and Learning to Control
Adel Bibi, El Houcine Bergou, Ozan Sener, Bernard Ghanem, Peter Richtárik

416- RU8011: Experimental Design for Optimization of Orthogonal Projection Pursuit Models
Mojmír Mutný, Johannes Kirschner, Andreas Krause

417- RU9314: Point-Based Methods for Model Checking in Partially Observable Markov Decision Processes
Maxime Bouton, Jana Tumova, Mykel J. Kochenderfer

Vision (VIS)

418- VIS57: Adaptive Unimodal Cost Volume Filtering for Deep Stereo Matching
Youmin Zhang, Yimin Chen, Xiao Bai, Suihanjin Yu, Kun Yu, Zhiwei Li, Kuiyuan Yang

419- VIS291: Exploit and Replace: An Asymmetrical Two-Stream Architecture for Versatile Light Field Saliency Detection
Yongri Piao, Zhengkun Rong, Miao Zhang, Huchuan Lu

420- VIS331: Gated Fully Fusion for Semantic Segmentation
Xiangtai Li, Houlong Zhao, Lei Han, Yunhai Tong, Shaohua Tan, Kuiyuan Yang

421- VIS443: Learning Transferable Adversarial Examples via Ghost Networks
Yingwei Li, Song Bai, Yuyin Zhou, Cihang Xie, Zhishuai Zhang, Alan Yuille

422- VIS467: Bi-Objective Continual Learning: Learning `New' While Consolidating `Known'
Xiaoyu Tao, Xiaopeng Hong, Xinyuan Chang, Yihong Gong

423- VIS498: Attention-Based View Selection Networks for Light-Field Disparity Estimation
Yu-Ju Tsai, Yu-Lun Liu, Ming Ouhyoung, Yung-Yu Chuang

424- VIS665: Clustering-Aware Multiple Graph Matching via Decayed Pairwise Matching Composition
Tianzhe Wang, Zetian Jiang, Junchi Yan

425- VIS697: Hierarchical Knowledge Squeezed Adversarial Network Compression
Peng Li, Changyong Shu, Yuan Xie, Yanyun Qu, Hui Kong

426- VIS833: Region Normalization for Image Inpainting
Tao Yu, Zongyu Guo, Xin Jin, Shilin Wu, Zhibo Chen, Weiping Li, Zhizheng Zhang, Sen Liu

427- VIS870: Infrared-Visible Cross-Modal Person Re-Identification with an X Modality
Diangang Li, Xing Wei, Xiaopeng Hong, Yihong Gong

428- VIS909: Geometry Sharing Network for 3D Point Cloud Classification and Segmentation
Mingye Xu, Zhipeng Zhou, Yu Qiao

429- VIS930: Separate In Latent Space: Unsupervised Single Image Layer Separation
Yunfei Liu, Feng Lu

430- VIS951: Multi-Label Classification with Label Graph Superimposing
Ya Wang, Dongliang He, Fu Li, Xiang Long, Zhichao Zhou, Jinwen Ma, Shilei Wen

431- VIS1246: Reliability Does Matter: An End-to-End Weakly Supervised Semantic Segmentation Approach
Bingfeng Zhang, Jimin Xiao, Yunchao Wei, Mingjie Sun, Kaizhu Huang

432- VIS1288: POST: POlicy-Based Switch Tracking
Ning Wang, Wengang Zhou, Guojun Qi, Houqiang Li

433- VIS1339: 3D Shape Completion with Multi-View Consistent Inference
Tao Hu, Zhizhong Han, Matthias Zwicker

434- VIS1435: Image Cropping with Composition and Saliency Aware Aesthetic Score Map
Yi Tu, Li Niu, Weijie Zhao, Dawei Cheng, Liqing Zhang

435- VIS1482: Shape-Aware Organ Segmentation by Predicting Signed Distance Maps
Yuan Xue, Hui Tang, Zhi Qiao, Guanzhong Gong, Yong Yin, Zhen Qian, Chao Huang, Wei Fan, Xiaolei Huang

436- VIS1559: Deep Camouflage Images
Qing Zhang, Gelin Yin, Yongwei Nie, Wei-Shi Zheng

437- VIS1576: Pointwise Rotation-Invariant Network with Adaptive Sampling and 3D Spherical Voxel Convolution
Yang You, Yujing Lou, Qi Liu, Yu-Wing Tai, Lizhuang Ma, Cewu Lu, Weiming Wang

438- VIS1673: Deep Object Co-Segmentation via Spatial-Semantic Network Modulation
Kaihua Zhang, Jin Chen, Bo Liu, Qingshan Liu

439- VIS1829: Cycle-CNN for Colorization Towards Real Monochrome-Color Camera Systems
Xuan Dong, Weixin Li, Xiaojie Wang, Yunhong Wang

440- VIS1848: Generate, Segment and Refine: Towards Generic Manipulation Segmentation
Peng Zhou, Bor-Chun Chen, Xintong Han, Mahyar Najibi, Abhinav Shrivastava, Ser Nam Lim, Larry S. Davis

441- VIS1971: Importance-Aware Semantic Segmentation in Self-Driving with Discrete Wasserstein Training
Xiaofeng Liu, Yuzhuo Han, Song Bai, Yi Ge, Tianxing Wang, Xu Han, Site Li, Jane You, Jun Lu

442- VIS2032: Associative Variational Auto-Encoder with Distributed Latent Spaces and Associators
Dae Ung Jo, ByeongJu Lee, Jongwon Choi, Haanju Yoo, Jin Young Choi

443- VIS2063: Zero-Shot Sketch-Based Image Retrieval via Graph Convolution Network
Zhaolong Zhang, Yuejie Zhang, Rui Feng, Tao Zhang, Weiguo Fan

444- VIS2068: Person Tube Retrieval via Language Description
Hehe Fan, Yi Yang

445- VIS2166: Hybrid Graph Neural Networks for Crowd Counting
Ao Luo, Fan Yang, Xin Li, Dong Nie, Zhicheng Jiao, Shangchen Zhou, Hong Cheng

446- VIS2226: Patchy Image Structure Classification Using Multi-Orientation Region Transform
Xiaohan Yu, Yang Zhao, Yongsheng Gao, Shengwu Xiong, Xiaohui Yuan

447- VIS2394: Multimodal Structure-Consistent Image-to-Image Translation
Che-Tsung Lin, Yen-Yi Wu, Po-Hao Hsu, Shang-Hong Lai

448- VIS2580: Relation-Guided Spatial Attention and Temporal Refinement for Video-Based Person Re-Identification
Xingze Li, Wengang Zhou, Yun Zhou, Houqiang Li

449- VIS2595: Context Modulated Dynamic Networks for Actor and Action Video Segmentation with Language Queries
Hao Wang, Cheng Deng, Fan Ma, Yi Yang

450- VIS2913: A Generalized Framework for Edge-Preserving and Structure-Preserving Image Smoothing
Wei Liu, Pingping Zhang, Yinjie Lei, Xiaolin Huang, Jie Yang, Ian Reid

451- VIS2925: Relation Network for Person Re-Identification
Hyunjong Park, Bumsub Ham

452- VIS3016: Rethinking the Image Fusion: A Fast Unified Image Fusion Network Based on Proportional Maintenance of Gradient and Intensity
Hao Zhang, Han Xu, Yang Xiao, Xiaojie Guo, Jiayi Ma

453- VIS3214: Planar Prior Assisted PatchMatch Multi-View Stereo
Qingshan Xu, Wenbing Tao

454- VIS3217: Learning Inverse Depth Regression for Multi-View Stereo with Correlation Cost Volume
Qingshan Xu, Wenbing Tao

455- VIS3320: Spatial-Temporal Gaussian Scale Mixture Modeling for Foreground Estimation
Qian Ning, Weisheng Dong, Fangfang Wu, Jinjian Wu, Jie Lin, Guangming Shi

456- VIS3796: Patch Proposal Network for Fast Semantic Segmentation of High-Resolution Images
Tong Wu, Zhenzhen Lei, Bingqian Lin, Cuihua Li, Yanyun Qu, Yuan Xie

457- VIS3934: FD-GAN: Generative Adversarial Networks with Fusion-Discriminator for Single Image Dehazing
Yu Dong, Yihao Liu, He Zhang, Shifeng Chen, Yu Qiao

458- VIS4063: Human Synthesis and Scene Compositing
Mihai Zanfir, Elisabeta Oneata, Alin-Ionut Popa, Andrei Zanfir, Cristian Sminchisescu

459- VIS4075: Shape-Oriented Convolution Neural Network for Point Cloud Analysis
Chaoyi Zhang, Yang Song, Lina Yao, Weidong Cai

460- VIS4133: Unicoder-VL: A Universal Encoder for Vision and Language by Cross-Modal Pre-Training
Gen Li, Nan Duan, Yuejian Fang, Ming Gong, Daxin Jiang

461- VIS4299: When AWGN-Based Denoiser Meets Real Noises
Yuqian Zhou, Jianbo Jiao, Haibin Huang, Yang Wang, Jue Wang, Honghui Shi, Thomas Huang

462- VIS4793: Multi-Speaker Video Dialog with Frame-Level Temporal Localization
Qiang Wang, Pin Jiang, Zhiyi Guo, Yahong Han, Zhou Zhao

463- VIS5085: Fine-Grained Fashion Similarity Learning by Attribute-Specific Embedding Network
Zhe Ma, Jianfeng Dong, Zhongzi Long, Yao Zhang, Yuan He, Hui Xue, Shouling Ji

464- VIS5422: Finding Action Tubes with a Sparse-to-Dense Framework
Yuxi Li, Weiyao Lin, Tao Wang, John See, Rui Qian, Ning Xu, Limin Wang, Shugong Xu

465- VIS5440: Realistic Face Reenactment via Self-Supervised Disentangling of Identity and Pose
Xianfang Zeng, Yusu Pan, Mengmeng Wang, Jiangning Zhang, Yong Liu

466- VIS6019: Tensor FISTA-Net for Real-Time Snapshot Compressive Imaging
Xiaochen Han, Bo Wu, Zheng Shou, Xiao-Yang Liu, Yimeng Zhang, Linghe Kong

467- VIS6416: High-Order Residual Network for Light Field Super-Resolution
Nan Meng, Xiaofei Wu, Jianzhuang Liu, Edmund Y. Lam

468- VIS6572: CircleNet for Hip Landmark Detection
Hai Wu, Hongtao Xie, Chuanbin Liu, Zheng-Jun Zha, Jun Sun, Yongdong Zhang

469- VIS7703: Region-Adaptive Dense Network for Efficient Motion Deblurring
Kuldeep Purohit, A.N. Rajagopalan

470- VIS8168: Modality-Balanced Models for Visual Dialogue
Hyounghun 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, Chanwoo Park, Jungwoo 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- *SA389: 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 D. Choi

479- *SA463: Complex Emotional Intelligence Learning Using Deep Neural Networks
Belainine Bilal, Sadat Fatiha, Lounis 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, Michał Lew

483- *SA568: An Analytical Workflow for Clustering Forensic Images
Sara Mousavi, Dylan Lee, Tatianna Griffin, Dawnie Steadman, Audris Mockus

484- *SA575: Improving First-Order Optimization Algorithms
Ange Tato, Roger Nkambou

485- *SA584: Few Sample Learning Without Data Storage for Lifelong Stream Mining
Zhuoyi Wang, Yigong Wang, Yu Lin, Bo Dong, Hemeng Tao, Latifur Khan

486- *SA590: Search Tree Pruning for Progressive Neural Architecture Search
Deanna Flynn, P. Michael Furlong, Brian Coltin

487- *SA595: FourierSAT: A Fourier Expansion-Based Algebraic Framework for Solving Hybrid Boolean Constraints
Anastasios Kyrillidis, Anshumali Shrivastava, Moshe Vardi, Zhiwei Zhang

488- *SA601: Semantics- and Syntax-Related Subvectors in the Skip-gram Embeddings
Maxat Tezekbayev, Zhenisbek Assylbekov, Rustem Takhanov

489- *SA604: Multi-Robot Deep Reinforcement Learning with Macro-Actions
Yuchen Xiao, Joshua Hoffman, Tian Xia, Christopher Amato

490- *SA615: Predicting Students' Attention Level with Interpretable Facial and Head Dynamic Features in an Online Tutoring System
Shimeng Peng, Lujie Chen, Chufan Gao, Richard Jiarui Tong

491- *SA638: LGML: Logic Guided Machine Learning
Joseph Scott, Maysum Panju, Vijay Ganesh

492- *SA663: Sampling Random Chordal Graphs by MCMC
Wenbo Sun, Ivona Bezakova

493- *SA690: Leveraging BERT with Mixup for Sentence Classification
Amit Jindal, Dwaraknath Gnaneshwar, Ramit Sawhney, Rajiv Ratn Shah

494- 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

495- SA81: Optimal Exploration Algorithm of Multi-Agent Reinforcement Learning Methods
Qisheng Wang, Qichao Wang, Xiao Li

496- SA126: Adabot: Fault-Tolerant Java Decompiler
Zhiming Li, Qing Wu, Kun Qian

497- SA140: Multi-Channel Convolutional Neural Networks with Adversarial Training for Few-Shot Relation Classification
Yuxiang Xie, Hua Xu, Congcong Yang, Kai Gao

498- SA257: How to Predict Seawater Temperature for Sustainable Marine Aquaculture
Masahito Okuno, Takanobu Otsuka

499- SA265: A Simple Deconvolutional Mechanism for Point Clouds and Sparse Unordered Data
Thomas Paniagua, John Lagergren, Greg Foderaro

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

Helen Harman, Pieter Simoens

501- SA273: Toward Operational Safety Verification of AI-Enabled CPS
Imane Lamrani, Ayan Banerjee, Sandeep K.S. Gupta

502- 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

503- SA280: Neural Dynamics and Gamma Oscillation on a Hybrid Excitatory-Inhibitory Complex Network
Yuan Wang, Xia Shi, Bo Cheng, Junliang Chen

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

505- SA286: Focusing on Detail: Deep Hashing Based on Multiple Region Details
Quan Zhou, Xiushan Nie, Yang Shi, Xingbo Liu, Yilong Yin

506- SA385: Cancer Treatment Classification with Electronic Medical Health Records
Jiaming Zeng, Imon Banerjee, Michael Gensheimer, Daniel Rubin

507- SA391: Modeling Involuntary Dynamic Behaviors to Support Intelligent Tutoring
Mononito Goswami, Lujie Chen, Chufan Gao, Artur Dubrawski

508- SA393: Third-Person Imitation Learning via Image Difference and Variational Discriminator Bottleneck
Chong Jiang, Zongzhang Zhang, Zixuan Chen, Jiacheng Zhu, Junpeng Jiang

509- SA394: Selecting Portfolios Directly Using Recurrent Reinforcement Learning
Lin Li

510- SA395: MUSIC COLLAB: An IoT And ML Based Solution for Remote Music Collaboration
Nishtha Nayar, Divya Lohani

511- SA400: 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

512- SA403: Multi-Agent Pattern Formation with Deep Reinforcement Learning
Elhadji Amadou Oury Diallo, Toshiharu Sugawara

513- SA404: Contention-Aware Mapping and Scheduling Optimization for NoC-Based MPSoCs
Yupeng Zhou, Rongjie Yan, Anyu Cai, Yige Yan, Minghao Yin

514- SA408: A Multi-Task Approach to Open Domain Suggestion Mining
Minni Jain, Maitree Leekha, Mononito Goswami

515- SA409: A QSAT Benchmark Based on Vertex-Folkman Problems
David E. Narváez

516- 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

517- SA419: Session-Level User Satisfaction Prediction for Customer Service Chatbot in E-commerce
Riheng Yao, Shuangyong Song, Qiudan Li, Chao Wang, Huan Chen, Haiqing Chen, Daniel Dajun Zeng

518- 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

519- SA637: Submodel Decomposition for Solving Limited Memory Influence Diagrams
Junkyu 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 Sirpurkar, Diviya, 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

9- DEMO536: PulseSatellite: A Tool Using Human-AI Feedback Loops for Satellite Image Analysis in Humanitarian Contexts
Tomaz Logar, Joseph Bullock, Edoardo Nemni, Lars Bromley, John A. Quinn, Miguel Luengo-Oroz

Tuesday, February 11
6:30 – 8:30 PM

AI 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
Zhiwen 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 Pirrò

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, Botian 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 Bulathwela, María Pérez-Ortiz, Emine Yilmaz, John Shawe-Taylor

17- APP2172: Graph Few-Shot Learning via Knowledge Transfer
Huaxiu Yao, Chuxu Zhang, Ying Wei, Meng Jiang, Suhang 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- APP2522: 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, Yujia 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
Tzungyu Tsai, Kaichen 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 Ruan, Jiangtao Wang, Wen Tang, Xinyu Ma, Xin Gao, Junyi Gao

32- APP6543: OF-MSRN: Optical Flow-Auxiliary Multi-Task Regression Network for Direct Quantitative Measurement, Segmentation and Motion Estimation
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

35- APP7142: AirNet: A Calibration Model for Low-Cost Air Monitoring Sensors Using Dual Sequence Encoder Networks
Haomin Yu, Qingyong Li, Yangli-ao Geng, Yingjun Zhang, Zhi Wei

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 Jiang, 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. Littman, Thomas L. Griffiths

45- CM5642: Deep Spiking Delayed Feedback Reservoirs and Its Application in Spectrum Sensing of MIMO-OFDM Dynamic Spectrum Sharing
Kian Hamedani, Lingjia Liu, Shiya 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-Benssassi, Juan Ye

48- CM7822: Biologically Plausible Sequence Learning with Spiking Neural Networks
Zuozhu Liu, Thiparat 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- CSO2998: MIPaaL: Mixed Integer Program as a Layer
Aaron Ferber, Bryan Wilder, Bistra Dilkina, Milind Tambe

52- CSO3390: Augmenting the Power of (Partial) MaxSat Resolution with Extension
Javier Larrosa, Emma Rollon

53- CSO3843: A Simple and Efficient Tensor Calculus
Sören Laue, Matthias Mitterreiter, Joachim Giesen

54- CSO6059: Improved Filtering for the Euclidean Traveling Salesperson Problem in CLP(FD)
Alessandro Bertagnon, Marco Gavanelli

55- CSO6155: ADDMC: Weighted Model Counting with Algebraic Decision Diagrams
Jeffrey M. Dudek, Vu H. N. Phan, Moshe Y. Vardi

56- CSO6745: Accelerating Primal Solution Findings for Mixed Integer Programs Based on Solution Prediction
Jian-Ya Ding, Chao Zhang, Lei Shen, Shengyin Li, Bing Wang, Yinghui Xu, Le Song

57- CSO7298: Learning MAX-SAT from Contextual Examples for Combinatorial Optimisation
Mohit Kumar, Samuel Kolb, Stefano Teso, Luc De Raedt

58- CSO8649: Learning Optimal Decision Trees Using Caching Branch-and-Bound Search
Gaël Aglin, Siegfried Nijssen, Pierre Schaus

59- CSO8945: Smart Predict-and-Optimize for Hard Combinatorial Optimization Problems
Jayanta Mandi, Emir Demirović, Peter J. Stuckey, Tias Guns

60- CSO9334: Delay-Adaptive Distributed Stochastic Optimization
Zhaolin Ren, Zhengyuan Zhou, Linhai Qiu, Ajay Deshpande, Jayant Kalagnanam

61- CSO10258: Justifying All Differences Using Pseudo-Boolean Reasoning
Jan Elffers, Stephan Gocht, Ciaran McCreesh, Jakob Nordström

62- CSO10399: Estimating the Density of States of Boolean Satisfiability Problems on Classical and Quantum Computing Platforms
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, Yuncong Chen, Cristian Lumezanu, Wei Cheng, Bo Zong, Jingchao 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

65- CSUS6968: Tensorized LSTM with Adaptive Shared Memory for Learning Trends in Multivariate Time Series
Dongkuan Xu, Wei Cheng, Bo Zong, Dongjing Song, Jingchao Ni, Wenchao Yu, Yanchi Liu, Haifeng Chen, Xiang Zhang

Game Playing and Interactive Entertainment (GPIE)

66- GPIE3470: FET-GAN: Font and Effect Transfer via K-Shot Adaptive Instance Normalization
Wei 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 Gafni, 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, Sujit 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 Vu, Patrick Loiseau, Alonso Silva, Long Tran-Thanh

73- GTEP2162: Multiagent Evaluation Mechanisms
Tal Alon, Magdalen Dobson, Ariel D. Procaccia, Inbal Talgam-Cohen, Jamie Tucker-Foltz

74- GTEP4389: The Surprising Power of Hiding Information in Facility Location
Safwan 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, Kyohei 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, Nathanaël Barrot, Seiji Takanashi, Taiki Todo, Makoto Yokoo

79- GTEP6161: On the Convergence of Model Free Learning in Mean Field Games
Romuald 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, Binghui 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 Successive Committees: Complexity and Algorithms
Robert Bredereck, Andrzej Kaczmarczyk, Rolf Niedermeier

85- GTEP8527: Strategyproof Mechanisms for Friends and Enemies Games
Michele Flammini, Bojana Kodric, 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 Boehmer, 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- HAC383: 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

94- HAC5191: Relative Attributing Propagation: Interpreting the Comparative Contributions of Individual Units in Deep Neural Networks
Woo Jeoung Nam, Shir Gur, Jaesik Choi, Lior Wolf, Seong-Whan Lee

95- HAC6571: Regression under Human Assistance
Abir De, Paramita Koley, Niloy Ganguly, Manuel Gomez-Rodriguez

96- HAC6889: A Human-AI Loop Approach for Joint Keyword Discovery and Expectation Estimation in Micropost Event Detection
Akansha Bhardwaj, Jie Yang, Philippe Cudré-Mauroux

97- HAC9743: Querying to Find a Safe Policy Under Uncertain Safety Constraints in Markov Decision Processes
Shun Zhang, Edmund H. Durfee, Satinder Singh

Knowledge Representation and Reasoning (KRR)

98- KRR277: Blameworthiness in Security Games
Pavel Naumov, Jia Tao

99- KRR1534: Asymptotic Risk of Bézier Simplex Fitting
Akinori Tanaka, Akiyoshi Sannai, Ken Kobayashi, Naoki Hamada

100- KRR2278: Few-Shot Knowledge Graph Completion
Chuxu Zhang, Huaxiu Yao, Chao Huang, Meng Jiang, Zhenhui Li, Nitesh V. Chawla

101- KRR2859: Path Ranking with Attention to Type Hierarchies
Weiyu Liu, Angel Daruna, Zsolt Kira, Sonia Chernova

102- KRR4560: Rule-Guided Compositional Representation Learning on Knowledge Graphs
Guanglin Niu, Yongfei Zhang, Bo Li, Peng Cui, Si Liu, Jingyang Li, Xiaowei Zhang

103- KRR5054: Structural Decompositions of Epistemic Logic Programs
Markus Hecher, Michael Morak, Stefan Woltran

104- KRR6805: Learning Query Inseparable *ELH* Ontologies
Ana Ozaki, Cosimo Persia, Andrea Mazzullo

105- KRR6975: Checking Chase Termination over Ontologies of Existential Rules with Equality
David Carral, Jacopo Urbani

106- KRR7209: On the Expressivity of ASK Queries in SPARQL
Xiaowang Zhang, Jan Van den Bussche, Kewen Wang, Heng Zhang, Xuanxing Yang, Zhiyong Feng

107- KRR7843: Towards Universal Languages for Tractable Ontology Mediated Query Answering
Heng Zhang, Yan Zhang, Jia-Huai You, Zhiyong Feng, Guifei Jiang

108- KRR8397: Query Rewriting for Ontology-Mediated Conditional Answers
Medina Andreşel, Magdalena Ortiz, Mantas Šimkus

109- KRR8547: Epistemic Integrity Constraints for Ontology-Based Data Management
Marco Console, Maurizio Lenzerini

110- KRR8971: Contextual Parameter Generation for Knowledge Graph Link Prediction
George Stoica, Otilia Stretcu, Emmanouil Antonios Platanios, Tom M. Mitchell, Barnabás Póczos

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
Haifeng 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, Yujing Hu, Jianye Hao, Xingguo Chen, Yang Gao

117- MAS3062: Fair Procedures for Fair Stable Marriage Outcomes
Nikolaos Tziavelis, 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, Guihai 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, Jiaheng Hu, Howie Choset

126- MAS6382: Scalable Decision-Theoretic Planning in Open and Typed 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
Guangyu 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
Yanbei Chen, Xiatian Zhu, Wei Li, Shaogang Gong

135- ML484: Proximal Distilled Evolutionary Reinforcement Learning
Cristian Bodnar, Ben Day, Pietro Lió

136- ML526: Logo-2K+: A Large-Scale Logo Dataset for Scalable Logo Classification
Jing Wang, Weiqing Min, Sujuan Hou, Shengnan Ma, Yuanjie Zheng, Haishuai Wang, Shuqiang Jiang

137- ML546: Efficient Automatic CASH via Rising Bandits
Yang Li, Jiawei Jiang, Jinyang Gao, Yingxia Shao, Ce Zhang, Bin Cui

138- ML606: Policy Search by Target Distribution Learning for Continuous Control
Chuheng Zhang, Yuanqi Li, Jian LI

139- ML626: On the Anatomy of MCMC-Based Maximum Likelihood Learning of Energy-Based Models
Erik Nijkamp, Mitch Hill, Tian Han, Song-Chun Zhu, Ying Nian Wu

140- ML659: AutoShrink: A Topology-Aware NAS for Discovering Efficient Neural Architecture
Tunhou Zhang, Hsin-Pai Cheng, Zhenwen Li, Feng Yan, Chengyu Huang, Hai Li, Yiran Chen

141- ML669: Practical Federated Gradient Boosting Decision Trees
Qinbin Li, Zeyi Wen, Bingsheng He

142- ML787: Cost-Effective Incentive Allocation via Structured Counterfactual Inference
Romain Lopez, Chenchen Li, Xiang Yan, Junwu Xiong, Michael I. Jordan, Yuan Qi, Le Song

143- ML837: Representation Learning with Multiple Lipschitz-Constrained Alignments on Partially-Labeled Cross-Domain Data
Songlei Jian, Liang Hu, Longbing Cao, Kai Lu

144- ML858: Gradient-Aware Model-Based Policy Search
Pierluca D'Oro, Alberto Maria Metelli, Andrea Tirinzoni, Matteo Papini, Marcello Restelli

145- ML896: Multi-Label Causal Feature Selection
Xingyu Wu, Bingbing Jiang, Kui Yu, Huanhuan Chen, Chunyan Miao

146- ML935: Loss-Based Attention for Deep Multiple Instance Learning
Xiaoshuang Shi, Fuyong Xing, Yuanpu Xie, Zizhao Zhang, Lei Cui, Lin Yang

147- ML1071: Eigenvalue Normalized Recurrent Neural Networks for Short Term Memory
Kyle Helfrich, Qiang Ye

148- ML1251: Stochastic Loss Function
Qingliang Liu, Jinmei Lai

149- ML1264: Stable Prediction with Model Misspecification and Agnostic Distribution Shift
Kun Kuang, Ruoxuan Xiong, Peng Cui, Susan Athey, Bo Li

150- ML1279: Reborn Filters: Pruning Convolutional Neural Networks with Limited Data
Yehui Tang, Shan You, Chang Xu, Jin Han, Chen Qian, Boxin Shi, Chao Xu, Changshui Zhang

151- ML1335: Adaptive Trust Region Policy Optimization: Global Convergence and Faster Rates for Regularized MDPs
Lior Shani, Yonathan Efroni, Shie Mannor

152- ML1342: Dual Relation Semi-Supervised Multi-Label Learning
Lichen Wang, Yunyu Liu, Can Qin, Gan Sun, Yun Fu

153- ML1364: Multi-Stage Self-Supervised Learning for Graph Convolutional Networks on Graphs with Few Labeled Nodes
Ke Sun, Zhouchen Lin, Zhanxing Zhu

154- ML1376: Look One and More: Distilling Hybrid Order Relational Knowledge for Cross-Resolution Image Recognition
Shiming Ge, Kangkai Zhang, Haolin Liu, Yingying Hua, Shengwei Zhao, Xin Jin, Hao Wen

155- ML1448: Revisiting Image Aesthetic Assessment via Self-Supervised Feature Learning
Kekai Sheng, Weiming Dong, Menglei Chai, Guohui Wang, Peng Zhou, Feiyue Huang, Bao-Gang Hu, Rongrong Ji, Chongyang Ma

156- ML1453: Generative Adversarial Networks for Video-to-Video Domain Adaptation
Jiawei Chen, Yuexiang Li, Kai Ma, Yefeng Zheng

157- ML1536: Posterior-Guided Neural Architecture Search
Yizhou Zhou, Xiaoyan Sun, Chong Luo, Zheng-Jun Zha, Wenjun Zeng

158- ML1540: Brain-Mediated Transfer Learning of Convolutional Neural Networks
Satoshi Nishida, Yusuke Nakano, Antoine Blanc, Naoya Maeda, Masataka Kado, Shinji Nishimoto

159- ML1552: Adversarial Domain Adaptation with Domain Mixup
Minghao Xu, Jian Zhang, Bingbing Ni, Teng Li, Chengjie Wang, Qi Tian, Wenjun Zhang

160- ML1555: Object Instance Mining for Weakly Supervised Object Detection
Chenhao Lin, Siwen Wang, Dongqi Xu, Yu Lu, Wayne Zhang

161- ML1629: AutoDAL: Distributed Active Learning with Automatic Hyperparameter Selection
Xu Chen, Brett Wujek

162- ML1680: Uncorrected Least-Squares Temporal Difference with Lambda-Return
Takayuki Osogami

163- ML1790: Adversarial Learning of Privacy-Preserving and Task-Oriented Representations
Taihong Xiao, Yi-Hsuan Tsai, Kihyuk Sohn, Manmohan Chandraker, Ming-Hsuan Yang

164- ML1797: Label Error Correction and Generation through Label Relationships
Zijun Cui, Yong Zhang, Qiang Ji

165- ML1836: Multi-Task Driven Feature Models for Thermal Infrared Tracking
Qiao Liu, Xin Li, Zhenyu He, Nana Fan, Di Yuan, Wei Liu, Yongsheng Liang

166- ML1856: Unsupervised Nonlinear Feature Selection from High-Dimensional Signed Networks
Qiang Huang, Tingyu Xia, Huiyan Sun, Makoto Yamada, Yi Chang

167- ML1917: Scalable Methods for Computing State Similarity in Deterministic Markov Decision Processes
Pablo Samuel Castro

168- ML2075: Overcoming Catastrophic Forgetting by Neuron-Level Plasticity Control
Inyoung Paik, Sangjun Oh, Taeyeong Kwak, Injung Kim

169- ML2100: On the Discrepancy between the Theoretical Analysis and Practical Implementations of Compressed Communication for Distributed Deep Learning
Aritra Dutta, El Houcine Bergou, Ahmed M. Abdelmoniem, Chen-Yu Ho, Atal Narayan Sahu, Marco Canini, Panos Kalnis

170- ML2129: Unsupervised Deep Learning via Affinity Diffusion
Jiabo Huang, Qi Dong, Shaogang Gong, Xiatian Zhu

171- ML2138: Deep Domain-Adversarial Image Generation for Domain Generalisation
Kaiyang Zhou, Yongxin Yang, Timothy Hospedales, Tao Xiang

172- ML2159: Uncertainty-Aware Action Advising for Deep Reinforcement Learning Agents
Felipe Leno Da Silva, Pablo Hernandez-Leal, Bilal Kartal, Matthew E.Taylor

173- ML2425: Estimating Stochastic Linear Combination of Non-Linear Regressions
Di Wang, Xiangyu Guo, Chaowen Guan, Shi Li, Jinhui Xu

174- ML2455: Deterministic Value-Policy Gradients
Qingpeng Cai, Ling Pan, Pingzhong Tang

175- ML2461: How Should an Agent Practice?
Janarthanan Rajendran, Richard Lewis, Vivek Veeriah, Honglak Lee, Satinder Singh

176- ML2462: Suspicion-Free Adversarial Attacks on Clustering Algorithms
Anshuman Chhabra, Abhishek Roy, Prasant Mohapatra

177- ML2485: LS-Tree: Model Interpretation When the Data Are Linguistic
Jianbo Chen, Michael Jordan

178- ML2489: ML-LOO: Detecting Adversarial Examples with Feature Attribution
Puyudi Yang, Jianbo Chen, Cho-Jui Hsieh, Jane-Ling Wang, Michael I. Jordan

179- ML2533: Transparent Classification with Multilayer Logical Perceptrons and Random Binarization
Zhuo Wang, Wei Zhang, Ning Liu, Jianyong Wang

180- ML2584: Improved Subsampled Randomized Hadamard Transform for Linear SVM
Zijian Lei, Liang Lan

181- ML2599: Dynamic Network Pruning with Interpretable Layerwise Channel Selection
Yulong Wang, Xiaolu Zhang, Xiaolin Hu, Bo Zhang, Hang Su

182- ML2616: SetRank: A Setwise Bayesian Approach for Collaborative Ranking from Implicit Feedback
Chao Wang, Hengshu Zhu, Chen Zhu, Chuan Qin, Hui Xiong

183- ML2669: Semantics-Aligned Representation Learning for Person Re-Identification
Xin Jin, Cuiling Lan, Wenjun Zeng, Guoqiang Wei, Zhibo Chen

184- ML2711: Crowdfunding Dynamics Tracking: A Reinforcement Learning Approach
Jun Wang, Hefu Zhang, Qi Liu, Zhen Pan, Hanqing Tao

185- ML2718: Meta-Learning for Generalized Zero-Shot Learning
Vinay Kumar Verma, Dhanajit Brahma, Piyush Rai

186- ML2755: SNEQ: Semi-Supervised Attributed Network Embedding with Attention-Based Quantisation
Tao He, Lianli Gao, Jingkuan Song, Xin Wang, Kejie Huang, Yuan-Fang Li

187- ML2775: Reasoning on Knowledge Graphs with Debate Dynamics
Marcel Hildebrandt, Jorge Andres Quintero Serna, Yunpu Ma, Martin Ringsquandl, Mitchell Joblin, Volker Tresp

188- ML2776: Domain Conditioned Adaptation Network
Shuang Li, Chi Harold Liu, Qiuxia Lin, Binhui Xie, Zhengming Ding, Gao Huang, Jian Tang

189- ML2778: End-to-End Thorough Body Perception for Person Search
Kun Tian, Houjing Huang, Yun Ye, Shiyu Li, Jinbin Lin, Guan Huang

190- ML2804: High Performance Depthwise and Pointwise Convolutions on Mobile Devices
Pengfei Zhang, Eric Lo, Baotong Lu

191- ML2899: Regional Tree Regularization for Interpretability in Deep Neural Networks
Mike Wu, Sonali Parbhoo, Michael C. Hughes, Ryan Kindle, Leo Celi, Maurizio Zazzi, Volker Roth, Finale Doshi-Velez

192- ML2930: Co-Occurrence Estimation from Aggregated Data with Auxiliary Information
Tomoharu Iwata, Naoki Marumo

193- ML2977: Topic Modeling on Document Networks with Adjacent-Encoder
Ce Zhang, Hady W. Lauw

194- ML2994: FlowScope: Spotting Money Laundering Based on Graphs
Xiangfeng Li, Shenghua Liu, Zifeng Li, Xiaotian Han, Chuan Shi, Bryan Hooi, He Huang, Xueqi Cheng

195- ML3037: Absum: Simple Regularization Method for Reducing Structural Sensitivity of Convolutional Neural Networks
Sekitoshi Kanai, Yasutoshi Ida, Yasuhiro Fujiwara, Masanori Yamada, Shuichi Adachi

196- ML3081: Safe Sample Screening for Robust Support Vector Machine
Zhou Zhai, Bin Gu, Xiang Li, Heng Huang

197- ML3091: Off-Policy Evaluation in Partially Observable Environments
Guy Tennenholtz, Shie Mannor, Uri Shalit

198- ML3247: Measuring and Relieving the Over-Smoothing Problem for Graph Neural Networks from the Topological View
Deli Chen, Yankai Lin, Wei Li, Peng Li, Jie Zhou, Xu Sun

199- ML3339: Maximum Margin Multi-Dimensional Classification
Bin-Bin Jia, Min-Ling Zhang

200- ML3465: Transductive Ensemble Learning for Neural Machine Translation
Yiren Wang, Lijun Wu, Yingce Xia, Tao Qin, ChengXiang Zhai, Tie-Yan Liu

201- ML3491: Image-Adaptive GAN Based Reconstruction
Shady Abu Hussein, Tom Tirer, Raja Giryes

202- ML3522: Toward a Thousand Lights: Decentralized Deep Reinforcement Learning for Large-Scale Traffic Signal Control
Chacha Chen, Hua Wei, Nan Xu, Guanjie Zheng, Ming Yang, Yuanhao Xiong, Kai Xu, Zhenhui Li

203- ML3667: Learning Student Networks with Few Data
Shumin Kong, Tianyu Guo, Shan You, Chang Xu

204- ML3697: A Restricted Black-Box Adversarial Framework Towards Attacking Graph Embedding Models
Heng Chang, Yu Rong, Tingyang Xu, Wenbing Huang, Honglei Zhang, Peng Cui, Wenwu Zhu, Junzhou Huang

205- ML3715: Spatial Classification with Limited Observations Based on Physics-Aware Structural Constraint
Arpan Man Sainju, Wenchong He, Zhe Jiang, Da Yan

206- ML3743: Adversarial Transformations for Semi-Supervised Learning
Teppei Suzuki, Ikuro Sato

207- ML3800: Federated Latent Dirichlet Allocation: A Local Differential Privacy Based Framework
Yansheng Wang, Yongxin Tong, Dingyuan Shi

208- ML3881: Few Shot Network Compression via Cross Distillation
Haoli Bai, Jiaxiang Wu, Irwin King, Michael Lyu

209- ML4023: A Tale of Two-Timescale Reinforcement Learning with the Tightest Finite-Time Bound
Gal Dalal, Balázs Szörényi, Gugan Thoppe

210- ML4046: Apprenticeship Learning via Frank-Wolfe
Tom Zahavy, Alon Cohen, Haim Kaplan, Yishay Mansour

211- ML4078: A Three-Level Optimization Model for Nonlinearly Separable Clustering
Liang Bai, Jiye Liang

212- ML4152: Multi-Zone Unit for Recurrent Neural Networks
Fandong Meng, Jinchao Zhang, Yang Liu, Jie Zhou

213- ML4182: Efficiently Enumerating Substrings with Statistically Significant Frequencies of Locally Optimal Occurrences in Gigantic String
Atsuyoshi Nakamura, Ichigaku Takigawa, Hiroshi Mamitsuka

214- ML4232: Deep Conservative Policy Iteration
Nino Vieillard, Olivier Pietquin, Matthieu Geist

215- ML4270: Adaptive Activation Network and Functional Regularization for Efficient and Flexible Deep Multi-Task Learning
Yingru Liu, Xuewen Yang, Dongliang Xie, Xin Wang, Li Shen, Haozhi Huang, Niranjan Balasubramanian

216- ML4283: Being Optimistic to Be Conservative: Quickly Learning a CVaR Policy
Ramtin Keramati, Alex Tamkin, Christoph Dann, Emma Brunskill

217- ML4300: Deep Reservoir Computing Meets 5G MIMO-OFDM Systems in Symbol Detection
Zhou Zhou, Lingjia Liu, Vikram Chandrasekhar, Jianzhong Zhang, Yang Yi

218- ML4387: Motif-Matching Based Subgraph-Level Attentional Convolution Network for Graph Classification
Hao Peng, Jianxin Li, Qiran Gong, Yuanxing Ning, Senzhang Wang, Lifang He

219- ML4399: IPO: Interior-Point Policy Optimization under Constraints
Yongshuai Liu, Jiaxin Ding, Xin Liu

220- ML4499: Differentiable Reasoning on Large Knowledge Bases and Natural Language
Pasquale Minervini, Matko Bošnjak, Tim Rocktäschel, Sebastian Riedel, Edward Grefenstette

221- ML4617: Online Second Price Auction with Semi-Bandit Feedback under the Non-Stationary Setting
Haoyu Zhao, Wei Chen

222- ML4681: Graph Representation Learning via Ladder Gamma Variational Autoencoders
Arindam Sarkar, Nikhil Mehta, Piyush Rai

223- ML4781: Enhancing Nearest Neighbor Based Entropy Estimator for High Dimensional Distributions via Bootstrapping Local Ellipsoid
Chien Lu, Jaakko Peltonen

224- ML4835: Deep Time-Stream Framework for Click-Through Rate Prediction by Tracking Interest Evolution
Shu-Ting Shi, Wenhao Zheng, Jun Tang, Qing-Guo Chen, Yao Hu, Jianke Zhu, Ming Li

225- ML4858: Joint Adversarial Learning for Domain Adaptation in Semantic Segmentation
Yixin Zhang, Zilei Wang

226- ML5032: Partial Multi-Label Learning with Noisy Label Identification
Ming-Kun Xie, Sheng-Jun Huang

227- ML5038: Query-Driven Multi-Instance Learning
Yen-Chi Hsu, Cheng-Yao Hong, Ming-Sui Lee, Tyng-Luh Liu

228- ML5075: Improved Algorithms for Conservative Exploration in Bandits
Evrard Garcelon, Mohammad Ghavamzadeh, Alessandro Lazaric, Matteo Pirotta

229- ML5146: GSSNN: Graph Smoothing Splines Neural Networks
Shichao Zhu, Lewei Zhou, Shirui Pan, Chuan Zhou, Guiying Yan, Bin Wang

230- ML5197: Effective Decoding in Graph Auto-Encoder using Triadic Closure
Han Shi, Haozheng Fan, James T. Kwok

231- ML5259: Achieving Fairness in the Stochastic Multi-Armed Bandit Problem
Vishakha Patil, Ganesh Ghalme, Vineet Nair, Y. Narahari

232- ML5350: Guiding Attention in Sequence-to-Sequence Models for Dialogue Act Prediction
Pierre Colombo, Emile Chapuis, Matteo Manica, Emmanuel Vignon, Giovanna Varni, Chloe Clavel

233- ML5360: Induction of Subgoal Automata for Reinforcement Learning
Daniel Furelos-Blanco, Mark Law, Alessandra Russo, Krysia Broda, Anders Jonsson

234- ML5516: To Avoid the Pitfall of Missing Labels in Feature Selection: A Generative Model Gives the Answer
Yuanyuan Xu, Jun Wang, Jinmao Wei

235- ML5540: Bounding Regret in Empirical Games
Steven Jecmen, Arunesh Sinha, Zun Li, Long Tran-Thanh

236- ML5616: Attention-Guide Walk Model in Heterogeneous Information Network for Multi-Style Recommendation Explanation
Xin Wang, Ying Wang, Yunzhi Ling

237- ML5634: Collaborative Sampling in Generative Adversarial Networks
Yuejiang Liu, Parth Kothari, Alexandre Alahi

238- ML5646: ECGadv: Generating Adversarial Electrocardiogram to Misguide Arrhythmia Classification System
Huangxun Chen, Chenyu Huang, Qianyi Huang, Qian Zhang, Wei Wang

239- ML5779: Proximity Preserving Binary Code Using Signed Graph-Cut
Inbal Lavi, Shai Avidan, Yoram Singer, Yacov Hel-Or

240- ML5908: PCONV: The Missing but Desirable Sparsity in DNN Weight Pruning for Real-Time Execution on Mobile Devices
Xiaolong Ma, Fu-Ming Guo, Wei Niu, Xue Lin, Jian Tang, Kaisheng Ma, Bin Ren, Yanzhi Wang

241- ML5937: Adaptive Convolutional ReLUs
Hongyang Gao, Lei Cai, Shuiwang Ji

242- ML5962: Generalized Hidden Parameter MDPs: Transferable Model-Based RL in a Handful of Trials
Christian F. Perez, Felipe Petroski Such, Theofanis Karaletsos

243- ML6047: Linear Bandits with Feature Feedback
Urvashi Oswal, Aniruddha Bhargava, Robert Nowak

244- ML6193: Unsupervised Domain Adaptation via Structured Prediction Based Selective Pseudo-Labeling
Qian Wang, Toby P. Breckon

245- ML6242: Urban2Vec: Incorporating Street View Imagery and POIs for Multi-Modal Urban Neighborhood Embedding
Zhecheng Wang, Haoyuan Li, Ram Rajagopal

246- ML6326: Nonlinear System Identification via Tensor Completion
Nikos Kargas, Nicholas D. Sidiropoulos

247- ML6413: Multi-Range Attentive Bicomponent Graph Convolutional Network for Traffic Forecasting
Weiqi Chen, Ling Chen, Yu Xie, Wei Cao, Yusong Gao, Xiaojie Feng

248- ML6418: Time2Graph: Revisiting Time Series Modeling with Dynamic Shapelets
Ziqiang Cheng, Yang Yang, Wei Wang, Wenjie Hu, Yueting Zhuang, Guojie Song

249- ML6680: Long Short-Term Sample Distillation
Liang Jiang, Zujie Wen, Zhongping Liang, Yafang Wang, Gerard de Melo, Zhe Li, Liangzhuang Ma, Jiaxing Zhang, Xiaolong Li, Yuan Qi

250- ML6694: On the Role of Weight Sharing During Deep Option Learning
Matthew Riemer, Ignacio Cases, Clemens Rosenbaum, Miao Liu, Gerald Tesauro

251- ML6779: Attention-Based Multi-Modal Fusion Network for Semantic Scene Completion
Siqi Li, Changqing Zou, Yipeng Li, Xibin Zhao, Yue Gao

252- ML6858: Learning Feature Interactions with Lorentzian Factorization Machine
Canran Xu, Ming Wu

253- ML6906: Metareasoning in Modular Software Systems: On-The-Fly Configuration Using Reinforcement Learning with Rich Contextual Representations
Aditya Modi, Debadeepta Dey, Alekh Agarwal, Adith Swaminathan, Besmira Nushi, Sean Andrist, Eric Horvitz

254- ML6954: Tensor Completion for Weakly-Dependent Data on Graph for Metro Passenger Flow Prediction
Ziyue Li, Nurretin Dorukhan Sergin, Hao Yan, Chen Zhang, Fugee Tsung

255- ML7055: Order-Free Learning Alleviating Exposure Bias in Multi-Label Classification
Che-Ping Tsai, Hung-Yi Lee

256- ML7096: New Efficient Multi-Spike Learning for Fast Processing and Robust Learning
Shenglan Li, Qiang Yu

257- ML7199: Transfer Value Iteration Networks
Junyi Shen, Hankz Hankui Zhuo, Jin Xu, Bin Zhong, Sinno Jialin Pan

258- ML7235: Not All Attention Is Needed: Gated Attention Network for Sequence Data
Lanqing Xue, Xiaopeng Li, Nevin L. Zhang

259- ML7264: Transfer Learning for Anomaly Detection through Localized and Unsupervised Instance Selection
Vincent Vercruyssen, Wannes Meert, Jesse Davis

260- ML7341: Discretizing Continuous Action Space for On-Policy Optimization
Yunhao Tang, Shipra Agrawal

261- ML7356: An Efficient Evolutionary Algorithm for Subset Selection with General Cost Constraints
Chao Bian, Chao Feng, Chao Qian, Yang Yu

262- ML7364: Semi-Supervised Learning for Maximizing the Partial AUC
Tomoharu Iwata, Akinori Fujino, Naonori Ueda

263- ML7380: Multi-Component Graph Convolutional Collaborative Filtering
Xiao Wang, Ruijia Wang, Chuan Shi, Guojie Song, Qingyong Li

264- ML7432: GraLSP: Graph Neural Networks with Local Structural Patterns
Yilun Jin, Guojie Song, Chuan Shi

265- ML7529: Word-Level Contextual Sentiment Analysis with Interpretability
Tomoki Ito, Kota Tsubouchi, Hiroki Sakaji, Tatsuo Yamashita, Kiyoshi Izumi

266- ML7629: Reliable Multilabel Classification: Prediction with Partial Abstention
Vu-Linh Nguyen, Eyke Hüllermeier

267- ML7690: Weighted Sampling for Combined Model Selection and Hyperparameter Tuning
Dimitrios Sarigiannis, Thomas Parnell, Haralampos Pozidis

268- ML7797: Generative Exploration and Exploitation
Jiechuan Jiang, Zongqing Lu

269- ML7803: CF-LSTM: Cascaded Feature-Based Long Short-Term Networks for Predicting Pedestrian Trajectory
Yi Xu, Jing Yang, Shaoyi Du

270- ML7927: Attentive Experience Replay
Peiquan Sun, Wengang Zhou, Houqiang Li

271- ML8017: Learning to Reason: Leveraging Neural Networks for Approximate DNF Counting
Ralph Abboud, İsmail İlkan Ceylan, Thomas Lukasiewicz

272- ML8100: DWM: A Decomposable Winograd Method for Convolution Acceleration
Di Huang, Xishan Zhang, Rui Zhang, Tian Zhi, Deyuan He, Jiaming Guo, Chang Liu, Qi Guo, Zidong Du, Shaoli Liu, Tianshi Chen, Yunji Chen

273- ML8199: Exploiting Spatial Invariance for Scalable Unsupervised Object Tracking
Eric Crawford, Joelle Pineau

274- ML8296: Deep Model-Based Reinforcement Learning via Estimated Uncertainty and Conservative Policy Optimization
Qi Zhou, HouQiang Li, Jie Wang

275- ML8316: M-NAS: Meta Neural Architecture Search
Jiaxing Wang, Jiaxiang Wu, Haoli Bai, Jian Cheng

276- ML8332: Reinforcement Learning with Non-Markovian Rewards
Maor Gaon, Ronen I. Brafman

277- ML8403: Gamma-Nets: Generalizing Value Estimation Over Timescale
Craig Sherstan, Shibhansh Dohare, James MacGlashan, Johannes Günther, Patrick M. Pilarski

278- ML8407: Block Hankel Tensor ARIMA for Multiple Short Time Series Forecasting
Qiquan Shi, Jiaming Yin, Jiajun Cai, Andrzej Cichocki, Tatsuya Yokota, Lei Chen, Mingxuan Yuan, Jia Zeng

279- ML8429: Robust Conditional GAN from Uncertainty-Aware Pairwise Comparisons
Ligong Han, Ruijiang Gao, Mun Kim, Xin Tao, Bo Liu, Dimitris Metaxas

280- ML8503: Side Information Dependence as a Regularizer for Analyzing Human Brain Conditions across Cognitive Experiments
Shuo Zhou, Wenwen Li, Christopher R. Cox, Haiping Lu

281- ML8567: Self-Paced Robust Learning for Leveraging Clean Labels in Noisy Data
Xuchao Zhang, Xian Wu, Fanglan Chen, Liang Zhao, Chang-Tien Lu

282- ML8782: Unsupervised Attributed Multiplex Network Embedding
Chanyoung Park, Donghyun Kim, Jiawei Han, Hwanjo Yu

283- ML8842: An Objective for Hierarchical Clustering in Euclidean Space and Its Connection to Bisecting K-Means
Yuyan Wang, Benjamin Moseley

284- ML8844: Structured Sparsification of Gated Recurrent Neural Networks
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285- ML8856: TapNet: Multivariate Time Series Classification with Attentional Prototypical Network
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286- ML8859: Partial Label Learning with Batch Label Correction
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287- ML8878: Data Programming Using Continuous and Quality-Guided Labeling Functions
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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
Thomas Magelinski, David Beskow, Kathleen M. Carley

291- ML9072: Fast Adaptively Weighted Matrix Factorization for Recommendation with Implicit Feedback
Jiawei Chen, Can Wang, Sheng Zhou, Qihao Shi, Jingbang Chen, Yan Feng, Chun Chen

292- ML9089: Generalizable Resource Allocation in Stream Processing via Deep Reinforcement Learning
Xiang Ni, Jing Li, Mo Yu, Wang Zhou, Kun-Lung Wu

293- ML9147: Fast Nonparametric Estimation of Class Proportions in the Positive-Unlabeled Classification Setting
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294- ML9289: Harmonious Coexistence of Structured Weight Pruning and Ternarization for Deep Neural Networks
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295- ML9337: Fixed-Horizon Temporal Difference Methods for Stable Reinforcement Learning
Kristopher De Asis, Alan Chan, Silviu Pitis, Richard S. Sutton, Daniel Graves

296- ML9358: Diachronic Embedding for Temporal Knowledge Graph Completion
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297- ML9408: DGE: Deep Generative Network Embedding Based on Commonality and Individuality
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298- ML9459: Scaling All-Goals Updates in Reinforcement Learning Using Convolutional Neural Networks
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299- ML9478: Kriging Convolutional Networks
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300- ML9526: Options of Interest: Temporal Abstraction with Interest Functions
Khimya Khetarpal, Martin Klissarov, Maxime Chevalier-Boisvert, Pierre-Luc Bacon, Doina Precup

301- ML9534: Towards Hands-Free Visual Dialog Interactive Recommendation
Tong Yu, Yilin Shen, Hongxia Jin

302- ML9590: Bridging Maximum Likelihood and Adversarial Learning via alpha-Divergence
Miaoyun Zhao, Yulai Cong, Shuyang Dai, Lawrence Carin

303- ML9935: Class Prior Estimation with Biased Positives and Unlabeled Examples
Shantanu Jain, Justin D. Delano, Himanshu Sharma, Predrag Radivojac

304- ML10038: Incorporating Label Embedding and Feature Augmentation for Multi-Dimensional Classification
Haobo Wang, Chen Chen, Weiwei Liu, Ke Chen, Tianlei Hu, Gang Chen

305- ML10070: MIDAS: Microcluster-Based Detector of Anomalies in Edge Streams
Siddharth Bhatia, Bryan Hooi, Minji Yoon, Kijung Shin, Christos Faloutsos

306- ML10128: Efficient Verification of ReLU-Based Neural Networks via Dependency Analysis
Elena Botoeva, Panagiotis Kouvaros, Jan Kronqvist, Alessio Lomuscio, Ruth Misener

307- ML10191: Universal Value Iteration Networks: When Spatially-Invariant is Not Universal
Li Zhang, Xin Li, Sen Chen, Hongyu Zang, Jie Huang, Mingzhong Wang

308- ML10238: Control Flow Graph Embedding Based on Multi-Instance Decomposition for Bug Localization
Xuan Huo, Ming Li, Zhi-Hua Zhou

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309- NLP900: Attractive or Faithful? Popularity-Reinforced Learning for Inspired Headline Generation
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310- NLP1025: CFGNN: Cross Flow Graph Neural Networks for Question Answering on Complex Tables
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311- NLP1070: Document Summarization with VHTM:Variational Hierarchical Topic-Aware Mechanism
Xiyan Fu, Jun Wang, Jinghan Zhang, Jinmao Wei, Zhenglu Yang

312- NLP1087: TemPEST: Soft Template-Based Personalized EDM Subject Generation Through Collaborative Summarization
Yu-Hsiu Chen, Pin-Yu Chen, Hong-Han Shuai, Wen-Chih Peng

313- NLP1145: Learning to Learn Morphological Inflection for Resource-Poor Languages
Katharina Kann, Samuel R. Bowman, Kyunghyun Cho

314- NLP1159: Learning to Compare for Better Training and Evaluation of Open Domain Natural Language Generation Models
Wangchunshu Zhou, Ke Xu

315- NLP1396: Joint Character-Level Word Embedding and Adversarial Stability Training to Defend Adversarial Text
Hui Liu, Yongzheng Zhang, Yipeng Wang, Zheng Lin, Yige Chen

316- NLP1493: Keywords-Guided Abstractive Sentence Summarization
Haoran Li, Junnan Zhu, Jiajun Zhang, Chengqing Zong, Xiaodong He

317- NLP1590: Lexical Simplification with Pretrained Encoders
Jipeng Qiang, Yun Li, Yi Zhu, Yunhao Yuan, Xindong Wu

318- NLP1634: Multi-Task Self-Supervised Learning for Disfluency Detection
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319- NLP1743: Probing Brain Activation Patterns by Dissociating Semantics and Syntax in Sentences
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320- NLP2038: ABSent: Cross-Lingual Sentence Representation Mapping with Bidirectional GANs
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321- NLP2069: SG-Net: Syntax-Guided Machine Reading Comprehension
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322- NLP2072: Semantics-Aware BERT for Language Understanding
Zhuosheng Zhang, Yuwei Wu, Hai Zhao, Zuchao Li, Shuailiang Zhang, Xi Zhou, Xiang Zhou

323- NLP2519: Multi-Task Learning with Generative Adversarial Training for Multi-Passage Machine Reading Comprehension
Qiyu Ren, Xiang Cheng, Sen Su

357- NLP7050: MultiSumm: Towards a Unified Model for Multi-Lingual Abstractive Summarization
Yue Cao, Xiaojun Wan, Jin-ge Yao, Dian Yu

358- NLP7098: Generalize Sentence Representation with Self-Inference
Kai-Chou Yang, Hung-Yu Kao

359- NLP7157: Discriminative Sentence Modeling for Story Ending Prediction
Yiming Cui, Wanxiang Che, Wei-Nan Zhang, Ting Liu, Shijin Wang, Guoping Hu

360- NLP7202: Scalable Attentive Sentence-Pair Modeling via Distilled Sentence Embedding
Oren Barkan, Noam Razin, Itzik Malkiel, Ori Katz, Avi Caciularu, Noam Koenigstein

361- NLP7203: SemSUM: Semantic Dependency Guided Neural Abstractive Summarization
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362- NLP7220: TreeGen: A Tree-Based Transformer Architecture for Code Generation
Zeyu Sun, Qihao Zhu, Yingfei Xiong, Yican Sun, Lili Mou, Lu Zhang

363- NLP7284: Adversarial Training Based Multi-Source Unsupervised Domain Adaptation for Sentiment Analysis
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364- NLP7357: Multi-Task Learning for Metaphor Detection with Graph Convolutional Neural Networks and Word Sense Disambiguation
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365- NLP7451: Latent Opinions Transfer Network for Target-Oriented Opinion Words Extraction
Zhen Wu, Fei Zhao, Xin-Yu Dai, Shujian Huang, Jiajun Chen

366- NLP7545: Knowledge and Cross-Pair Pattern Guided Semantic Matching for Question Answering
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367- NLP7752: Neural Question Generation with Answer Pivot
 Xiaochuan Wang, Bingning Wang, Ting Yao, Qi Zhang, Jingfang Xu

368- NLP7755: Assessing the Benchmarking Capacity of Machine Reading Comprehension Datasets
Saku Sugawara, Pontus Stenetorp, Kentaro Inui, Akiko Aizawa

369- NLP7778: Getting Closer to AI Complete Question Answering: A Set of Prerequisite Real Tasks
Anna Rogers, Olga Kovaleva, Matthew Downey, Anna Rumshisky

370- NLP7781: Sentiment Classification in Customer Service Dialogue with Topic-Aware Multi-Task Learning
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371- NLP7793: Generative Adversarial Zero-Shot Relational Learning for Knowledge Graphs
Pengda Qin, Xin Wang, Wenhu Chen, Chunyun Zhang, Weiran Xu, William Yang Wang

372- NLP7882: A General Framework for Implicit and Explicit Debiasing of Distributional Word Vector Spaces
Anne Lauscher, Goran Glavaš, Simone Paolo Ponzetto, Ivan Vulić

373- NLP8319: Translucent Answer Predictions in Multi-Hop Reading Comprehension

G P Shrivatsa Bhargav, Michael Glass, Dinesh Garg, Shirish Shevade, Saswati Dana, Dinesh Khandelwal, L Venkata Subramaniam, Alfio Gliozzo

374- NLP8330: Controlling the Amount of Verbatim Copying in Abstractive Summarization
Kaiqiang Song, Bingqing Wang, Zhe Feng, Liu Ren, Fei Liu

375- NLP8401: Evaluating Commonsense in Pre-Trained Language Models
Xuhui Zhou, Yue Zhang, Leyang Cui, Dandan Huang

376- NLP8467: Joint Parsing and Generation for Abstractive Summarization
Kaiqiang Song, Logan Lebanoff, Qipeng Guo, Xipeng Qiu, Xiangyang Xue, Chen Li, Dong Yu, Fei Liu

377- NLP8689: Multi-Source Domain Adaptation for Text Classification via DistanceNet-Bandits
Han Guo, Ramakanth Pasunuru, Mohit Bansal

378- NLP8809: ERNIE 2.0: A Continual Pre-Training Framework for Language Understanding
Yu Sun, Shuohuan Wang, Yukun Li, Shikun Feng, Hao Tian, Hua Wu, Haifeng Wang

379- NLP8817: Enhancing Natural Language Inference Using New and Expanded Training Data Sets and New Learning Models
Arindam Mitra, Ishan Shrivastava, Chitta Baral

380- NLP8964: Verb Class Induction with Partial Supervision
Daniel Peterson, Susan W. Brown, Martha Palmer

381- NLP9012: How to Ask Better Questions? A Large-Scale Multi-Domain Dataset for Rewriting Ill-Formed Questions
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382- NLP9028: Copy or Rewrite: Hybrid Summarization with Hierarchical Reinforcement Learning
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383- NLP9092: Hypernym Detection Using Strict Partial Order Networks
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384- NLP9156: Attending to Entities for Better Text Understanding
Pengxiang Cheng, Katrin Erk

385- NLP9252: Latent Relation Language Models
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386- NLP9303: Low Resource Sequence Tagging with Weak Labels
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387- NLP9384: Select, Answer and Explain: Interpretable Multi-Hop Reading Comprehension over Multiple Documents
Ming Tu, Kevin Huang, Guangtao Wang, Xiaodong He, Bowen Zhou

388- NLP9420: QASC: A Dataset for Question Answering via Sentence Composition
Tushar Khot, Peter Clark, Michal Guerquin, Peter Jansen, Ashish Sabharwal

389- NLP9466: TANDA: Transfer and Adapt Pre-Trained Transformer Models for Answer Sentence Selection
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390- NLP9629: Top-down RST Parsing Utilizing Granularity Levels in Documents
Naoki Kobayashi, Tsutomu Hirao, Hidetaka Kamigaito, Manabu Okumura, Masaaki Nagata

391- NLP9763: Towards Building a Multilingual Sememe Knowledge Base: Predicting Sememes for BabelNet Synsets
Fanchao Qi, Liang Chang, Maosong Sun, Sicong Ouyang, Zhiyuan Liu

392- NLP9975: Discourse Level Factors for Sentence Deletion in Text Simplification
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393- NLP10273: Relevance-Promoting Language Model for Short-Text Conversation
Xin Li, Piji Li, Wei Bi, Xiaojiang Liu, Wai Lam

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394- PRS1813: Expectation-Aware Planning: A Unifying Framework for Synthesizing and Executing Self-Explaining Plans for Human-Aware Planning
Sarath Sreedharan, Tathagata Chakraborti, Christian Muise, Subbarao Kambhampati

395- PRS5632: Planning with Abstract Learned Models While Learning Transferable Subtasks
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396- PRS6113: Dynamic Control of Probabilistic Simple Temporal Networks
Michael Gao, Lindsay Popowski, James C. Boerkoel Jr.

397- PRS9333: Hybrid Compositional Reasoning for Reactive Synthesis from Finite-Horizon Specifications
Suguman Bansal, Yong Li, Lucas M. Tabajara, Moshe Y. Vardi

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398- RU4409: Factorized Inference in Deep Markov Models for Incomplete Multimodal Time Series
Tan Zhi-Xuan, Harold Soh, Desmond C. Ong

399- RU5356: Beyond the Grounding Bottleneck: Datalog Techniques for Inference in Probabilistic Logic Programs
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400- RU6914: Localize, Assemble, and Predicate: Contextual Object Proposal Embedding for Visual Relation Detection
Ruihai Wu, Kehan Xu, Chenchen Liu, Nan Zhuang, Yadong Mu

401- RU7771: Error-Correcting and Verifiable Parallel Inference in Graphical Models
Negin Karimi, Petteri Kaski, Mikko Koivisto

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402- ROB2824: AtLoc: Attention Guided Camera Localization
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403- VIS53: Further Understanding Videos through Adverbs: A New Video Task
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404- VIS138: Pose-Guided Multi-Granularity Attention Network for Text-Based Person Search
Ya Jing, Chenyang Si, Junbo Wang, Wei Wang, Liang Wang, Tieniu Tan

405- VIS482: Learning to Follow Directions in Street View
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406- VIS746: The Missing Data Encoder: Cross-Channel Image Completion with Hide-And-Seek Adversarial Network
Arnaud Dapogny, Matthieu Cord, Patrick Pérez

407- VIS961: PedHunter: Occlusion Robust Pedestrian Detector in Crowded Scenes
Cheng Chi, Shifeng Zhang, Junliang Xing, Zhen Lei, Stan Z. Li, Xudong Zou

408- VIS962: Relational Learning for Joint Head and Human Detection
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409- VIS1007: Learning Deep Relations to Promote Saliency Detection
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410- VIS1012: Multi-Spectral Vehicle Re-Identification: A Challenge
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411- VIS1076: 3D Single-Person Concurrent Activity Detection Using Stacked Relation Network
Yi Wei, Wenbo Li, Yanbo Fan, Linghan Xu, Ming-Ching Chang, Siwei Lyu

412- VIS1082: Distance-IoU Loss: Faster and Better Learning for Bounding Box Regression
Zhaohui Zheng, Ping Wang, Wei Liu, Jinze Li, Rongguang Ye, Dongwei Ren

413- VIS1192: KnowIT VQA: Answering Knowledge-Based Questions about Videos
Noa Garcia, Mayu Otani, Chenhui Chu, Yuta Nakashima

414- VIS1236: Part-Level Graph Convolutional Network for Skeleton-Based Action Recognition
Linjiang Huang, Yan Huang, Wanli Ouyang, Liang Wang

415- VIS1276: An Adversarial Perturbation Oriented Domain Adaptation Approach for Semantic Segmentation
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416- VIS1367: Exploiting Motion Information from Unlabeled Videos for Static Image Action Recognition
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417- VIS1374: Learning 2D Temporal Adjacent Networks for Moment Localization with Natural Language
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418- VIS1379: Understanding the Disharmony between Weight Normalization Family and Weight Decay
Xiang Li, Shuo Chen, Jian Yang

419- VIS1407: Single Camera Training for Person Re-Identification
Tianyu Zhang, Lingxi Xie, Longhui Wei, Yongfei Zhang, Bo Li, Qi Tian

420- VIS1424: Graph Attention Based Proposal 3D ConvNets for Action Detection
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421- VIS1495: SPSTracker: Sub-Peak Suppression of Response Map for Robust Object Tracking
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422- VIS1557: Hierarchical Online Instance Matching for Person Search
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423- VIS1572: Random Erasing Data Augmentation
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424- VIS1632: General Partial Label Learning via Dual Bipartite Graph Autoencoder
Brian Chen, Bo Wu, Alireza Zareian, Hanwang Zhang, Shih-Fu Chang

425- VIS1658: Release the Power of Online-Training for Robust Visual Tracking
Yifan Yang, Guorong Li, Yuankai Qi, Qingming Huang

426- VIS1807: OVL: One-View Learning for Human Retrieval
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427- VIS1833: CBNet: A Novel Composite Backbone Network Architecture for Object Detection
Yudong Liu, Yongtao Wang, Siwei Wang, Tingting Liang, Qijie Zhao, Zhi Tang, Haibin Ling

428- VIS1972: Adaptive Cross-Modal Embeddings for Image-Text Alignment
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429- VIS2051: Cross-Modality Paired-Images Generation for RGB-Infrared Person Re-Identification
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430- VIS2078: Cross-Modality Attention with Semantic Graph Embedding for Multi-Label Classification
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431- VIS2131: Motion-Attentive Transition for Zero-Shot Video Object Segmentation
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432- VIS2215: Ladder Loss for Coherent Visual-Semantic Embedding
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433- VIS2236: DualVD: An Adaptive Dual Encoding Model for Deep Visual Understanding in Visual Dialogue
Xiaoze Jiang, Jing Yu, Zengchang Qin, Yingying Zhuang, Xingxing Zhang, Yue Hu, Qi Wu

434- VIS2317: Grapy-ML: Graph Pyramid Mutual Learning for Cross-Dataset Human Parsing
Haoyu He, Jing Zhang, Qiming Zhang, Dacheng Tao

435- VIS2505: Learning Attentive Pairwise Interaction for Fine-Grained Classification
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436- VIS2509: Context-Transformer: Tackling Object Confusion for Few-Shot Detection
Ze Yang, Yali Wang, Xianyu Chen, Jianzhuang Liu, Yu Qiao

437- VIS2703: Symbiotic Attention with Privileged Information for Egocentric Action Recognition
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438- VIS2761: Learning to Match on Graph for Fashion Compatibility Modeling
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439- VIS2836: Differentiable Grammars for Videos
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440- VIS2980: EAC-Net: Efficient and Accurate Convolutional Network for Video Recognition
Bowei Jin, Zhuo Xu

441- VIS2991: Self-Attention ConvLSTM for Spatiotemporal Prediction
Zhihui Lin, Maomao Li, Zhuobin Zheng, Yangyang Cheng, Chun Yuan

442- VIS3032: Spiking-YOLO: Spiking Neural Network for Energy-Efficient Object Detection
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443- VIS3100: Domain Generalization Using a Mixture of Multiple Latent Domains
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444- VIS3138: Deep Discriminative CNN with Temporal Ensembling for Ambiguously-Labeled Image Classification
Yao Yao, Jiehui Deng, Xiuhua Chen, Chen Gong, Jianxin Wu, Jian Yang

445- VIS3218: Real-Time Object Tracking via Meta-Learning: Efficient Model Adaptation and One-Shot Channel Pruning
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446- VIS3219: Symmetrical Synthesis for Deep Metric Learning
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447- VIS3261: Weakly-Supervised Video Re-Localization with Multiscale Attention Model
Yung-Han Huang, Kuang-Jui Hsu, Shyh-Kang Jeng, Yen-Yu Lin

448- VIS3499: What Makes a Good Story? Designing Composite Rewards for Visual Storytelling
Junjie Hu, Yu Cheng, Zhe Gan, Jingjing Liu, Jianfeng Gao, Graham Neubig

449- VIS3508: Expressing Objects Just like Words: Recurrent Visual Embedding for Image-Text Matching
Tianlang Chen, Jiebo Luo

450- VIS3590: When Radiology Report Generation Meets Knowledge Graph
Yixiao Zhang, Xiaosong Wang, Ziyue Xu, Qihang Yu, Alan Yuille, Daguang Xu

451- VIS3612: Visual Domain Adaptation by Consensus-Based Transfer to Intermediate Domain
Jongwon Choi, Youngjoon Choi, Jihoon Kim, Jinyeop Chang, Ilhwan Kown, Youngjune Gwon, Seungjai Min

452- VIS3625: Training-Time-Friendly Network for Real-Time Object Detection
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453- VIS3705: Temporally Grounding Language Queries in Videos by Contextual Boundary-Aware Prediction
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454- VIS3711: Recurrent Nested Model for Sequence Generation
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455- VIS3824: GTNet: Generative Transfer Network for Zero-Shot Object Detection
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456- VIS3879: Zero-Shot Learning from Adversarial Feature Residual to Compact Visual Feature
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457- VIS3906: Deep Reinforcement Learning for Active Human Pose Estimation
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458- VIS3935: Multi-Instance Multi-Label Action Recognition and Localization Based on Spatio-Temporal Pre-Trimming for Untrimmed Videos
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459- VIS3970: Interactive Dual Generative Adversarial Networks for Image Captioning
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460- VIS4096: SM-NAS: Structural-to-Modular Neural Architecture Search for Object Detection
Lewei Yao, Hang Xu, Wei Zhang, Xiaodan Liang, Zhenguo Li

461- VIS4189: Visual Dialogue State Tracking for Question Generation
Wei Pang, Xiaojie Wang

462- VIS4196: Efficient Querying from Weighted Binary Codes
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463- VIS4425: 3D Human Pose Estimation Using Spatio-Temporal Networks with Explicit Occlusion Training
Yu Cheng, Bo Yang, Bo Wang, Robby T. Tan

464- VIS4535: Multi-Type Self-Attention Guided Degraded Saliency Detection
Ziqi Zhou, Zheng Wang, Huchuan Lu, Song Wang, Meijun Sun

465- VIS4566: Feature Deformation Meta-Networks in Image Captioning of Novel Objects
Tingjia Cao, Ke Han, Xiaomei Wang, Lin Ma, Yanwei Fu, Yu-Gang Jiang, Xiangyang Xue

466- VIS4651: Kinematic-Structure-Preserved Representation for Unsupervised 3D Human Pose Estimation
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467- VIS4799: SGAP-Net: Semantic-Guided Attentive Prototypes Network for Few-Shot Human-Object Interaction Recognition
Zhong Ji, Xiyao Liu, Yanwei Pang, Xuelong Li

468- VIS4870: Progressive Boundary Refinement Network for Temporal Action Detection
Qinying Liu, Zilei Wang

469- VIS4907: FAS-Net: Construct Effective Features Adaptively for Multi-Scale Object Detection
Jiangqiao Yan, Yue Zhang, Zhonghan Chang, Tengfei Zhang, Menglong Yan, Wenhui Diao, Hongqi Wang, Xian Sun

470- VIS5312: Background Suppression Network for Weakly-Supervised Temporal Action Localization
Pilhyeon Lee, Youngjung Uh, Hyeran Byun

471- VIS5365: A Proposal-Based Approach for Activity Image-to-Video Retrieval
Ruicong Xu, Li Niu, Jianfu Zhang, Liqing Zhang

472- VIS5370: Progressive Bi-C3D Pose Grammar for Human Pose Estimation
Lu Zhou, Yingying Chen, Jinqiao Wang, Hanqing Lu

473- VIS5371: Location-Aware Graph Convolutional Networks for Video Question Answering
Deng Huang, Peihao Chen, Runhao Zeng, Qing Du, Mingkui Tan, Chuang Gan

474- VIS5521: Explanation vs Attention: A Two-Player Game to Obtain Attention for VQA
Badri N. Patro, Anupriy, Vinay P. Namboodiri

475- VIS5676: Learning Cross-Aligned Latent Embeddings for Zero-Shot Cross-Modal Retrieval
Kaiyi Lin, Xing Xu, Lianli Gao, Zheng Wang, Heng Tao Shen

476- VIS5797: Multi-Source Distilling Domain Adaptation
Sicheng Zhao, Guangzhi Wang, Shanghang Zhang, Yang Gu, Yaxian Li, Zhichao Song, Pengfei Xu, Runbo Hu, Hua Chai, Kurt Keutzer

477- VIS6380: Rethinking Temporal Fusion for Video-Based Person Re-Identification on Semantic and Time Aspect
Xinyang Jiang, Yifei Gong, Xiaowei Guo, Qize Yang, Feiyue Huang, Weishi Zheng, Feng Zheng, Xing Sun

478- VIS6749: Learning to Auto Weight: Entirely Data-Driven and Highly Efficient Weighting Framework
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479- VIS6891: Adversary for Social Good: Protecting Familial Privacy through Joint Adversarial Attacks
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480- VIS7322: GlobalTrack: A Simple and Strong Baseline for Long-Term Tracking
Lianghua Huang, Xin Zhao, Kaiqi Huang

481- VIS7427: Fully Convolutional Network for Consistent Voxel-Wise Correspondence
Yungeng Zhang, Yuru Pei, Yuke Guo, Gengyu Ma, Tianmin Xu, Hongbin Zha

482- VIS7454: Geometry-Driven Self-Supervised Method for 3D Human Pose Estimation
Yang Li, Kan Li, Shuai Jiang, Ziyue Zhang, Congzhentao Huang, Richard Yi Da Xu

483- VIS7576: Domain Adaptive Attention Learning for Unsupervised Person Re-Identification
Yangru Huang, Peixi Peng, Yi Jin, Yidong Li, Junliang Xing, Shiming Ge

484- VIS7661: Differentiable Meta-Learning Model for Few-Shot Semantic Segmentation
Pinzhuo Tian, Zhangkai Wu, Lei Qi, Lei Wang, Yinghuan Shi, Yang Gao

485- VIS7786: Viewpoint-Aware Loss with Angular Regularization for Person Re-Identification
Zhihui Zhu, Xinyang Jiang, Feng Zheng, Xiaowei Guo, Feiyue Huang, Xing Sun, Weishi Zheng

486- VIS8081: DASOT: A Unified Framework Integrating Data Association and Single Object Tracking for Online Multi-Object Tracking
Qi Chu, Wanli Ouyang, Bin Liu, Feng Zhu, Nenghai Yu

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Zhenyi Wang, Ping Yu, Yang Zhao, Ruiyi Zhang, Yufan Zhou, Junsong Yuan, Changyou Chen

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Jing Jin, Junhui Hou, Hui Yuan, Sam Kwong

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Min-hwan Oh, Peder A. Olsen, Karthikeyan Natesan Ramamurthy

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493- VIS10348: Stereoscopic Image Super-Resolution with Stereo Consistent Feature
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494- VIS10380: FACT: Fused Attention for Clothing Transfer with Generative Adversarial Networks
Yicheng Zhang, Lei Li, Li Song, Rong Xie, Wenjun Zhang

495- VIS10517: Mining on Heterogeneous Manifolds for Zero-Shot Cross-Modal Image Retrieval
Fan Yang, Zheng Wang, Jing Xiao, Shin'chi Satoh

Student Abstracts

496- SA561: Incremental Sense Weight Training for In-Depth Interpretation of Contextualized Word Embeddings
Xinyi Jiang, Zhengzhe Yang, Jinho D. Choi

497- SA562: Algorithmic Bias in Recidivism Prediction: A Causal Perspective
Aria Khademi, Vasant Honavar

498- SA563: Inception LSTM for Next-Frame Video Prediction
Matin Hosseini, Anthony S. Maida, Majid Hosseini, Raju Gottumukkala

499- SA571: A Critique of the Smooth Inverse Frequency Sentence Embeddings
Aidana Karipbayeva, Alena Sorokina, Zhenisbek Assylbekov

500- SA572: Video Person Re-ID: Fantastic Techniques and Where to Find Them
Priyank Pathak, Amir Erfan Eshratifar, Michael Gormish

501- SA576: Towards Interpretable Semantic Segmentation via Gradient-Weighted Class Activation Mapping
Kira Vinogradova, Alexandr Dibrov, Gene Myers

502- SA578: Emergence of Writing Systems Through Multi-Agent Cooperation
Shresth Verma, Joydip Dhar

503- SA579: Domain Knowledge-Assisted Automatic Diagnosis of Idiopathic Pulmonary Fibrosis (IPF) Using High Resolution Computed Tomography (HRCT)
Wenxi Yu, Hua Zhou, Jonathan G. Goldin, Grace Hyun J. Kim

504- SA580: Supervised Discovery of Unknown Unknowns Through Test Sample Mining
Zheng Wang, Bruno Abrahao, Ece Kamar

505- SA582: Biologically Inspired Sleep Algorithm for Reducing Catastrophic Forgetting in Neural Networks
Timothy Tadros, Giri Krishnan, Ramyaa Ramyaa, Maxim Bazhenov

506- SA586: Leakage-Robust Classifier via Mask-Enhanced Training
Damian Stachura, Christopher Galias, Konrad Zolna

507- SA589: Re-Thinking LiDAR-Stereo Fusion Frameworks
Qilin Jin, Parasara Sridhar Duggirala

508- SA591: I Am Guessing You Can't Recognize This: Generating Adversarial Images for Object Detection Using Spatial Commonsense
Anurag Garg, Niket Tandon, Aparna S. Varde

509- SA592: HARK: Harshness-Aware Sentiment Analysis Framework for Product Review
Ting Zhou, Xun Wang, Yili Fang

510- SA597: Shoreline: Data-Driven Threshold Estimation of Online Reserves of Cryptocurrency Trading Platforms
Xitong Zhang, He Zhu, Jiayu Zhou

511- SA598: On the Hierarchical Information in a Single Contextualised Word Representation
Dean L. Slack, Mariann Hardey, Noura Al Moubayed

512- SA599: Gait Recognition for Co-Existing Multiple People Using Millimeter Wave Sensing
Zhen Meng, Song Fu, Jie Yan, Hongyuan Liang, Anfu Zhou, Shilin Zhu, Huadong Ma, Jianhua Liu, Ning Yang

513- SA603: Using Chinese Glyphs for Named Entity Recognition
Chan Hee Song, Arijit Sehanobish

514- SA606: Exploring the Benefits of Depth Information in Object Pixel Masking
Anish Kachinthaya, Yi Ding, Tobias Hollerer

515- SA610: Topic Enhanced Controllable CVAE for Dialogue Generation
Yiru Wang, Yujiu Yang, Pengda Si, Zeyang Lei

516- SA616: MCL: Self-Supervised, Semi-Supervised, Multi-Context Learning for the Combined Classification and Segmentation of Medical Images
Abdullah-Al-Zubaer Imran, Chao Huang, Hui Tang, Wei Fan, Yuan Xiao, Dingjun Hao, Zhen Qian, Demetri Terzopoulos

517- SA622: Gifting in Multi-Agent Reinforcement Learning
Andrei Lupu, Doina Precup

518- SA625: Multi-View Deep Attention Network for Reinforcement Learning
Yueyue Hu, Shiliang Sun, Xin Xu, Jing Zhao

519- SA626: Learning Directional Sentence-Pair Embedding for Natural Language Reasoning
Yuchen Jiang, Zhenxin Xiao, Kai-Wei Chang

520- SA631: Towards Minimal Supervision BERT-Based Grammar Error Correction
Yiyuan Li, Antonios Anastasopoulos, Alan W Black

521- SA634: Learning Sense Representation from Word Representation for Unsupervised Word Sense Disambiguation
Jie Wang, Zhenxin Fu, Moxin Li, Haisong Zhang, Dongyan Zhao, Rui Yan

522- SA635: An Automatic Shoplifting Detection from Surveillance Videos
U-Ju Gim, Jae-Jun Lee, Jeong-Hun Kim, Aziz Nasridinov, Young-Ho Park

523- SA639: Predicting Opioid Overdose Crude Rates with Text-Based Twitter Features
Nupoor Gandhi, Alex Morales, Sally Man-Pui Chan, Dolores Albarracin, ChengXiang Zhai

524- SA640: Determining the Possibility of Transfer Learning in Deep Reinforcement Learning Using Grad-CAM
Ho-Taek Joo, Kyung-Joong Kim

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Rohan Saphal, Balaraman Ravindran, Dheevatsa Mudigere, Sasikanth Avancha, Bharat Kaul

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Tae Hong Moon, Sungsu Lim

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Li Chen, Hua Xu

528- SA659: Rception: Wide and Deep Interaction Networks for Machine Reading Comprehension
Xuanyu Zhang, Zhichun Wang

529- SA665: I Know Where You Are Coming From: On the Impact of Social Media Sources on AI Model Performance
Qi Yang, Aleksandr Farseev, Andrey Filchenkov

530- SA668: Robust Multi-View Representation Learning
Sibi Venkatesan, James K. Miller, Artur Dubrawski

531- SA671: Does Speech Enhancement of Publicly Available Data Help Build Robust Speech Recognition Systems?
Bhavya Ghai, Buvana Ramanan, Klaus Mueller

532- SA676: SpotFake+: A Multimodal Framework for Fake News Detection via Transfer Learning
Shivangi Singhal, Anubha Kabra, Mohit Sharma, Rajiv Ratn Shah, Tanmoy Chakraborty, Ponnurangam Kumaraguru

533- SA679: Multidimensional Analysis of Trust in News Articles
Avneet Kaur, Maitree Leekha, Utkarsh Chawla, Ayush Agarwal, Mudit Saxena, Nishtha Madaan, Kalapriya Kannan and Sameep Mehta

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Puneet Mathur, Ramit Sawhney, Rajiv Ratn Shah

535- SA682: Task Scoping for Efficient Planning in Open Worlds
Nishanth Kumar, Michael Fishman, Natasha Danas, Stefanie Tellex, Michael Littman, George Konidaris

536- SA684: Bayesian Optimisation for Premise Selection in Automated Theorem Proving
Agnieszka Słowik, Chaitanya Mangla, Mateja Jamnik, Sean B. Holden, Lawrence C. Paulson

537- SA685: Analysis of Parliamentary Debate Transcripts Using Community-Based Graphical Approaches
Anjali Bhavan, Mohit Sharma, Ramit Sawhney, Rajiv Ratn Shah

538- SA688: Literature Mining for Incorporating Inductive Bias in Biomedical Prediction Tasks
Qizhen Zhang, Audrey Durand, Joelle Pineau

539- SA689: A Bias Trick for Centered Robust Principal Component Analysis
Baokun He, Guihong Wan, Haim Schweitzer

Demos

1- DEMO541: Doc2Dial: A Framework for Dialogue Composition Grounded in Documents
Song Feng, Kshitij Fadnis, Q. Vera Liao, Luis A. Lastras

2- DEMO556: TraceHub - A Platform to Bridge the Gap between State-of-the-Art Time-Series Analytics and Datasets
Shubham Agarwal, Christian Muise, Mayank Agarwal, Sohini Upadhyay, Zilu Tang, Zhongshen Zeng, Yasaman Khazaeni

3- DEMO565: MatchU: An Interactive Matching Platform
James Ferris, Hadi Hosseini

4- DEMO566: DICR: AI Assisted, Adaptive Platform for Contract Review
Dan G. Tecuci, Ravi Palla, Hamid R. Motahari Nezhad, Nishchal Ahuja, Alex Monteiro, Tigran Ishkhanov, Nigel Duffy

5- DEMO573: Data-Driven Ranking and Visualization of Products by Competitiveness
Sheema Usmani, Mariana Bernagozzi, Yufeng Huang, Michelle Morales, Amir Sabet Sarvestani, Biplav Srivastava

6- DEMO583: LearnIt: On-Demand Rapid Customization for Event-Event Relation Extraction
Bonan Min, Manaj Srivastava, Haoling Qiu, Prasannakumar Muthukumar, Joshua Fasching

7- DEMO646: Embedding High-Level Knowledge into DQNs to Learn Faster and More Safely
Zihang Gao, Fangzhen Lin, Yi Zhou, Hao Zhang, Kaishun Wu, Haodi Zhang

8- DEMO677: Plan2Dance: Planning Based Choreographing from Music
Yuechang Liu, Dongbo Xie, Hankz Hankui Zhuo, Liqian Lai