

PRICAI-2021 Technical Program

Monday, 8th November 2021

11:00AM - 12:30PM (GMT+8)	<p>Tutorial #1 (Part 1) Room: Breakout 1 Click here to join session</p>	<p>Tutorial #2 (Part 1) Room: Breakout 2 Click here to join session</p>	<p>Tutorial #3 (Part 1) Room: Breakout 3 Click here to join session</p>
	<p>Towards Hyperdemocracy: AI-enabled Crowd Consensus Making and Its Real-World Societal Experiments <i>Takayuki Ito</i></p>	<p>Collaborative Learning and Optimization <i>Kai Qin</i></p>	<p>Mechanism Design Powered by Social Interactions <i>Dengji Zhao</i></p>
15 mins	Break	Break	Break
12:45PM - 2:15PM (GMT+8)	<p>Tutorial #1 (Part 2) Room: Breakout 1 Click here to join session</p>	<p>Tutorial #2 (Part 2) Room: Breakout 2 Click here to join session</p>	<p>Tutorial #3 (Part 2) Room: Breakout 3 Click here to join session</p>
	<p>Towards Hyperdemocracy: AI-enabled Crowd Consensus Making and Its Real-World Societal Experiments <i>Takayuki Ito</i></p>	<p>Collaborative Learning and Optimization <i>Kai Qin</i></p>	<p>Mechanism Design Powered by Social Interactions <i>Dengji Zhao</i></p>
15 mins	Break	Break	Break
2:30PM - 3:00PM (GMT+8)	<p>Conference Opening Ceremony Room: Keynote Hall Click here to join session</p>		
3:00PM - 4:00PM (GMT+8)	<p>Keynote Talk #1: Towards Intelligent Multi-Modal Human-Robot Interaction <i>Prof. Mohammed Bennis</i> Room: Keynote Hall Click here to join session</p>		
4:00PM - 4:30PM (GMT+8)	<p>Networking Venue: Networking Area, Recreation Area</p>		

Tuesday, 9th November 2021

11:00AM - 12:40PM (GMT+8) *each paper has 20 mins (15 mins for presentation, 5 mins for QnA)	<p>Technical Session: Natural Language Processing (1) Session Chair: Alfred Krzywicki Room: Breakout 1 Click here to join session</p>	<p>Technical Session: Deep Learning (1) Session Chair: Paul Weng Room: Breakout 2 Click here to join session</p>	<p>Technical Session: Applications of AI (1) Session Chair: Miroslav N. Velez Room: Breakout 3 Click here to join session</p>
	<p>A Calibration Method for Sentiment Time Series by Deep Clustering <i>Jingyi Wu, Baopu Qiu and Lin Shang</i></p>	<p>ABAE: Utilize Attention to Boost Graph Auto-Encoder <i>Tianyu Liu, Yifan Li, Yujie Sun, Lu Bai and Lixin Cui</i></p>	<p>A Consistency Enhanced Deep Lmsr Network for Face Sketch Synthesis <i>Qingjie Sheng, Shikui Tu and Lei Xu</i></p>
	<p>A Weak Supervision Approach with Adversarial Training for Named Entity Recognition <i>Jianxuan Shao, Chenyang Bu, Shengwei Ji and Xindong Wu</i></p>	<p>Adversarial Examples Defense via Combining Data Transformations and RBF Layers <i>Jingjie Li, Jiaquan Gao and Xiao-Xin Li</i></p>	<p>A Cost-Efficient Framework for Scene Text Detection in the Wild <i>Gangyan Zeng, Yuan Zhang, Yu Zhou and Xiaomeng Yang</i></p>
	<p>An Attention-based Approach to Accelerating Sequence Generative Adversarial Nets <i>Minglei Gao, Sai Zhang, Xiaowang Zhang and Zhiyong Feng</i></p>	<p>An improved deep model for knowledge tracing and question-difficulty discovery <i>Huan Dai, Yupei Zhang, Yue Yun and Xuequn Shang</i></p>	<p>A Dueling-DDPG Architecture for Mobile Robots Path Planning based on Laser Range Findings <i>Panpan Zhao, Jinfang Zheng, Qinglin Zhou, Chen Lyu and Lei Lyu</i></p>
	<p>Low-resource Neural Machine Translation Using Improved XLNet Pre-training Model <i>Nier Wu, Hongxu Hou, Ji Yatu and Wei Zheng</i></p>	<p>ARNet: Accurate and Real-time Network for Crowd Counting <i>Yinfeng Xia, Qing He, Wenyue Wei and Baoqun Yin</i></p>	<p>A Fully Dynamic Context Guided Reasoning and Reconsidering Network for Video Captioning <i>Xia Feng, Xinyu He, Rui Huang and Caihua Liu</i></p>
	<p>Combining Improvements for Exploiting Dependency Trees in Neural Semantic Parsing <i>Defeng Xie, Jianmin Ji, Jiafei Xu and Ran Ji</i></p>	<p>Deep recommendation model based on BiLSTM and BERT <i>Changwei Liu and Xiaowen Deng</i></p>	<p>Adaptive Prediction of Hip Joint Center from X-ray Images Using Generalized Regularized Extreme Learning Machine and Globalized Bounded Nelder-Mead Strategy <i>Fuchang Han, Shenghui Liao, Yiyong Jiang, Shu Liu, Yuqian Zhao and Xiantao Shen</i></p>
20 mins	Break	Break	Break
	<p>Technical Session: Vision and Perception (1) Session Chair: Sartra Wongthanavas Room: Breakout 1 Click here to join session</p>	<p>Technical Session: AI Foundations/Decision Theory (1) Session Chair: Chatrakul Sombaththeera Room: Breakout 2 Click here to join session</p>	<p>Technical Session: Knowledge Representation & Reasoning Session Chair: Satoshi Tojo Room: Breakout 3 Click here to join session</p>

1:00PM - 2:40PM (GMT+8) *each paper has 20 mins (15 mins for presentation, 5 mins for QnA)	A Semi-supervised Defect Detection Method based on Image Inpainting <i>Huibin Cao, Yongxuan Lai, Quan Chen and Fan Yang</i>	Designing Bounded Min-knapsack Bandits Algorithm for Sustainable Demand Response <i>Meghana Reddy, Akansha Singh, Shweta Jain and Sujit Gujar</i>	Building Trust for Belief Revision <i>Aaron Hunter</i>
	ANF: Attention-based Noise Filtering Strategy for Unsupervised Few-shot Classification <i>Guangsen Ni, Hongguang Zhang, Jing Zhao, Liyang Xu, Wenjing Yang and Long Lan</i>	Designing Refund Bonus Schemes for Provision Point Mechanism in Civic Crowdfunding <i>Sankarshan Damle, Moin Moti, Praphul Chandra and Sujit Gujar</i>	Correcting Large Knowledge Bases using Guided Inductive Logic Learning Rules <i>Yan Wu, Zili Zhang and Guodong Wang</i>
	Asymmetric Mutual Learning for Unsupervised Cross-Domain Person Re-identification <i>Danyang Huang, Lei Zhang, Qishuai Diao, Wei Wu and Zhong Zhou</i>	Best Student Paper <i>Will be presented at the Best Paper session on Wednesday 10th November 2021</i>	High-quality Noise Detection for Knowledge Graph Embedding with Rule-based Triple Confidence <i>Yan Hong, Chenyang Bu and Xindong Wu</i>
	Collaborative Positional-Motion Excitation Module for Efficient Action Recognition <i>Tamam Alsarhan and Hongtao Lu</i>	Fixed-price Diffusion Mechanism Design <i>Tianyi Zhang, Dengji Zhao, Wen Zhang and Xuming He</i>	Multi-Agent Epistemic Planning with Inconsistent Beliefs, Trust and Lies <i>Francesco Fabiano, Alessandro Burigana, Agostino Dovier, Enrico Pontelli and Tran Cao Son</i>
	Graph Attention Convolutional Network with Motion Tempo Enhancement for Skeleton-Based Action Recognition <i>Ruwen Bai, Xiang Meng, Bo Meng, Miao Jiang, Junxing Ren, Yang Yang, Min Li and Degang Sun</i>	Multiclass Classification using Dilute Bandit Feedback <i>Gaurav Batra and Naresh Manwani</i>	Diversity-based Trajectory and Goal Selection with Hindsight Experience Replay <i>Tianhong Dai, Hengyan Liu, Kai Arulkumaran, Guangyu Ren and Anil Anthony Bharath</i>
20 mins	Break	Break	Break
3:00PM - 4:00PM (GMT+8)	Keynote Talk #2: Responsible AI: from principles to action <i>Prof. Virginia Dignum</i> Room: Keynote Hall Click here to join session		
4:00PM - 4:30PM (GMT+8)	Networking Venue: Networking Area, Recreation Area		

Wednesday, 10th November 2021

	Technical Session: Vision and Perception (2) Session Chair: Nattagit Jiteurtragool Room: Breakout 1 Click here to join session	Technical Session: Deep Learning (2) Session Chair: Kiyota Hashimoto Room: Breakout 2 Click here to join session	Technical Session: Applications of AI (2) Session Chair: Takayuki Ito Room: Breakout 3 Click here to join session
11:00AM - 12:40PM (GMT+8) *each paper has 20 mins (15 mins for presentation, 5 mins for QnA)	Learning to Synthesize and Remove Rain Unsupervisedly <i>Yinhe Qi, Meng Pan and Zhi Jin</i>	GCMNet: Gated Cascade Multi-scale Network for Crowd Counting <i>Jinfang Zheng, Panpan Zhao, Jinyang Xie, Chen Lyu and Lei Lyu</i>	Adversarial Training for Image Captioning Incorporating Relation Attention <i>Tianyu Chen, Zhixin Li, Canlong Zhang and Huifang Ma</i>
	Object Bounding Box-aware Embedding For Point Cloud Instance Segmentation <i>Lixue Cheng, Taihai Yang and Lizhuang Ma</i>	Best Paper <i>Will be presented at the Best Paper session on Wednesday 10th November 2021</i>	Element Re-Identification in Crowdstesting <i>Li Zhang and Wei-Tek Tsai</i>
	Objects as Extreme Points <i>Yang Yang, Min Li, Bo Meng, Zihao Huang, Junxing Ren and Degang Sun</i>	Heterogeneous Graph Attention Network For User Geolocation <i>Xuan Zhang, Fuqiang Lin, Diwen Dong, Wangqun Chen and Bo Liu</i>	Flame and smoke detection algorithm for UAV based on improved YOLOv4-tiny <i>Ruinan Wu, Changchun Hua, Weili Ding, Yifan Wang and Yubao Wang</i>
	Occlusion-aware Facial Expression Recognition Based Region Re-weight Network <i>Xinghai Zhang, Xingming Zhang, Jinzhao Zhou and Yubei Lin</i>	Hyperbolic Tangent Polynomial Parity Cyclic Learning Rate for Deep Neural Network <i>Hong Lin, Xiaodong Yang, Binyan Wu and Ruyan Xiong</i>	Improving Protein Backbone Angle Prediction Using Hidden Markov Models in Deep Learning <i>Fereshteh Mataeimoqhadam, M. A. Hakim Newton, Rianon Zaman and Abdul Sattar</i>
	Online Multi-Object Tracking With Pose-Guided Object Location And Dual Self-Attention Network <i>Xin Zhang, Shihao Wang, Yuanzhe Yang, Chengxiang Chu and Zhong Zhou</i>	Infrared Image Super-Resolution via Heterogeneous Convolutional WGAN <i>Yongsong Huang, Zetao Jiang, Qingzhong Wang, Qi Jiang and Guoming Pang</i>	Magic Mirror Stealth: Interactive Automatic Picture Editing System <i>Mengdi Zhou, Boheng Hu and Si Liu</i>
20 mins	Break	Break	Break
	Technical Session: Vision and Perception (3) Session Chair: Teeradaj Racharak Room: Breakout 1 Click here to join session	Technical Session: Natural Language Processing (2) Session Chair: Hamed Hassanzadeh Room: Breakout 2 Click here to join session	Technical Session: Evolutionary Computation/Optimisation Session Chair: M.A.Hakim Newton Room: Breakout 3 Click here to join session

1:00PM - 2:40PM (GMT+8) *each paper has 20 mins (15 mins for presentation, 5 mins for QnA)	Random Walk Erasing with Attention Calibration for Action Recognition <i><u>Yuze Tian</u>, Xian Zhong, Wenxuan Liu, Xuemei Jia, Shilei Zhao and Mang Ye</i>	Deep Semantic Fusion Representation based on Special Mechanism of Information Transmission for Joint Entity-Relation Extraction <i><u>Wengqiang Xu</u> and Shiqun Yin</i>	A Two-Stage Efficient Evolutionary Neural Architecture Search Method for Image Classification <i><u>Gonglin Yuan</u>, Bing Xue and Mengjie Zhang</i>
	RGB-D based Visual Navigation using Direction Estimation Module <i><u>Chao Luo</u>, Sheng Bi, Min Dong and Hongxu Nie</i>	Exploiting News Article Structure for Automatic Corpus Generation <i><u>Jan Christian Blaise Cruz</u>, Jose Kristian Resabal, James Lin, Dan John Velasco and Charibeth Cheng</i>	ALGNN: Auto-designed Lightweight Graph Neural Network <i><u>Rongshen Cai</u>, Qian Tao, Yufei Tang and Min Shi</i>
	Semi-supervised Single Image Deraining with Discrete Wavelet Transform <i><u>Xin Cui</u>, Wei Shang, Dongwei Ren, Pengfei Zhu and Yankun Gao</i>	Fake News Detection Using Multiple-view Text Representation <i><u>Tuan Ha</u> and Xiaoying Gao</i>	Automatic Graph Learning with Evolutionary Algorithms: An Experimental Study <i><u>Chenyang Bu</u>, <u>Yi Lu</u> and Fei Liu</i>
	Simple Light-weight Network for Human Pose Estimation <i><u>Bin Sun</u> and Mingguo Zhao</i>	Generating Pseudo Connectives with MLMs for Implicit Discourse Relation Recognition <i><u>Congcong Jiang</u>, Tiejun Qian and Zhuang Chen</i>	Dendritic Cell Algorithm with Group Particle Swarm Optimization for Input Signal Generation <i><u>Dan Zhang</u></i>
	SIN: Superpixel Interpolation Network <i><u>Qing Yuan</u>, Songfeng Lu, Yan Huang, Wuxin Sha</i>	Graph Convolutional Network Exploring Label Relations for Multi-label Text Classification <i><u>Ting Pu</u>, Shiqun Yin and Wenwen Li</i>	Adaptive Relaxations for Multistage Robust Optimization <i><u>Michael Hartisch</u></i>
20 mins	Break	Break	Break

3:00PM - 4:00PM (GMT+8)	Best Paper: GIAD: Generative Inpainting-Based Anomaly Detection via Self-Supervised Learning for Human Monitoring <i><u>Ning Dong</u> and Einoshin Suzuki</i> Room: Keynote Hall Click here to join session		
	Best Student Paper: Federated Learning for Non-IID Data: From Theory to Algorithm <i><u>Bojian Wei</u>, Jian Li, Yong Liu, and Weiping Wang</i> Room: Keynote Hall Click here to join session		
4:00PM - 4:30PM (GMT+8)	Networking Venue: Networking Area, Recreation Area		

Thursday, 11th November 2021

	Technical Session: Natural Language Processing (3) Session Chair: Tru Cao Room: Breakout 1 Click here to join session	Technical Session: Deep Learning (3) Session Chair: Wen Zhang Room: Breakout 2 Click here to join session	Technical Session: Vision and Perception (4) Session Chair: Muriel Visanil Room: Breakout 3 Click here to join session
11:00AM - 12:40PM (GMT+8) *each paper has 20 mins (15 mins for presentation, 5 mins for QnA)	What Emotion is Hate? Incorporating Emotion Information into the Hate Speech Detection Task <i><u>Kosisochukwu Judith Madukwe</u>, Xiaoying Gao and Bing Xue</i>	Knowledge Compensation Network with Divisible Feature Learning for Unsupervised Domain Adaptive Person Re-Identification <i><u>Jiajing Hong</u>, Yang Zhang and Yuesheng Zhu</i>	SPANet: Spatial and part-aware aggregation network for 3D object detection <i><u>Yangyang Ye</u></i>
	Learning Vietnamese-English code-switching speech synthesis model under limited code-switched data scenario <i><u>Cuong Nguyen</u>, Lam Phung, Cuc Bui, Trang Truong and Huy Nguyen</i>	LoCo-VAE: Modeling Short-term Preference as Joint Effect of Long-term Preference and Context-aware Impact in Recommendation <i><u>Jianping Liu</u>, Bo Wang, Ruifang He, Shuo Zhang and Bin Wu</i>	Subspace Enhancement and Colorization Network for Infrared Video Action Recognition <i><u>Lu Xu</u>, Xian Zhong, Wenxuan Liu, Shilei Zhao, Zhengwei Yang and Luo Zhong</i>
	Multi-task Text Normalization Approach for Speech Synthesis <i><u>Cuc Bui</u>, Trang Truong, Cuong Nguyen, Lam Phung, Manh Nguyen and Huy Nguyen</i>	Multi-scale Edge-based U-shape Network for Salient Object Detection <i><u>Han Sun</u>, <u>Yetong Bian</u>, Ningzhong Liu and Huiyu Zhou</i>	Thinking in Patch: Towards Generalizable Forgery Detection with Patch Transformation <i><u>Xueqi Zhang</u>, Shuo Wang, Chenyu Liu, Min Zhang, Xiaohan Liu and Haiyong Xie</i>
	Performance-driven Reinforcement Learning Approach for Abstractive Text Summarization <i><u>Trang-Phuong Nguyen</u>, Nam-Chi Van and Nhi-Thao Tran</i>	Reconstruct Anomaly to Normal: Adversarially Learned and Latent Vector-constrained Autoencoder for Time-series Anomaly Detection <i><u>Chunkai Zhang</u>, <u>Wei Zuo</u>, Shaocong Li and Xuan Wang</i>	When Distortion Meets Perceptual Quality: A Multi-task Learning Pipeline <i><u>Jing Wen</u> and <u>Qianyu Guo</u></i>
	Punctuation Prediction in Vietnamese ASRs using Transformer-based Models <i><u>Oanh Tran</u> and <u>Viet Bui</u></i>	Robust Ensembling Network for Unsupervised Domain Adaptation <i><u>Han Sun</u>, <u>Lei Lin</u>, Ningzhong Liu and Huiyu Zhou</i>	Feature Adaption with Predicted Boxes for Oriented Object Detection in Aerial Images <i><u>Minhao Zou</u>, Ziye Hu, Yuxiang Guan, Zhongxue Gan, Chun Guan and Siyang Leng</i>
20 mins	Break	Break	Break

	Technical Session: Data Mining and Knowledge Discovery Session Chair: Xiaodi Huang Room: Breakout 1 Click here to join session	Technical Session: AI Foundations/Decision Theory (2) Session Chair: Hung Duy Nguyen Room: Breakout 2 Click here to join session	Technical Session: Applications of AI (3) Session Chair: Shyamala Doraisamy Room: Breakout 3 Click here to join session
1:00PM - 2:40PM (GMT+8) *each paper has 20 mins (15 mins for presentation, 5 mins for QnA)	MGEoT: A Multi-Grained Ensemble Method for Time Series Classification <i>Ziyi Wang, Yujie Zhou, Chun Li, Lin Shang and Bing Xue</i>	Public Project with Minimum Expected Release Delay <i>Guanhua Wang and Mingyu Guo</i>	Off-TANet: A lightweight neural micro-expression recognizer with optical flow features and integrated attention mechanism <i>Jiahao Zhang, Feng Liu and Aimin Zhou</i>
	Mining Skyline Frequent-Utility Itemsets with Utility Filtering <i>Wei Song, Chuanlong Zheng and Philippe Fournier-Viger</i>	Strategy Proof Mechanisms for Facility Location at Limited Locations <i>Toby Walsh</i>	Pulmonary Nodule Classification of CT Images with Attribute Self-guided Graph Convolutional V-shape Networks <i>Xiangbo Zhang, Kun Wang, Xiaohong Zhang and Sheng Huang</i>
	Network Embedding with Topology-Aware Textual Representations <i>Jiaxing Chen, Zenan Xu and Qinliang Su</i>	Off-policy Training for Truncated TD(γ) Boosted Soft Actor-Critic <i>Shiyu Huang, Bin Wang, Hang Su, Dong Li, Jianye Hao, Jun Zhu and Ting Chen</i>	Semantic Structural and Occlusive Feature Fusion for Pedestrian Detection <i>Hui Wang, Yu Zhang, Hongchang Ke, Ning Wei and Zhongyu Xu</i>
	Online Discriminative Semantic-Preserving Hashing for Large-Scale Cross-Modal Retrieval <i>Jinhan Yi, Yi He and Xin Liu</i>	A Study of Misinformation Games <i>Constantinos Varsos, Giorgos Flouris, Marina Bitsaki and Michail Fasoulakis</i>	VTLayout: Fusion of Visual and Text Features for Document Layout Analysis <i>Shoubin Li, Xuyan Ma, Shuaiqun Pan, Jun Hu, Lin Shi and Qing Wang</i>
	Empirical Study On The Impact Of Different Sets Of Parameters of Gradient Boosting Algorithms For Time-Series Forecasting With LightGBM <i>Filipa S. Barros, Vitor Cerqueira and Carlos Soares</i>	Influence-Driven Explanations for Bayesian Network Classifiers <i>Emanuele Albinì, Antonio Rago, Pietro Baroni and Francesca Toni</i>	An Initial Study of Machine Learning Underspecification using Feature Attribution Explainable AI Algorithms: a COVID-19 Virus Transmission Case Study <i>James Hinns, Xiuyi Fan, Siyuan Liu, Veera Raghava Reddy Kovvuri, Mehmet Orcun Yalcin and Markus Roggenbach</i>
20 mins	Break	Break	Break
3:00PM - 4:00PM (GMT+8)	Keynote Talk #3: The logic of agency: directions and challenges <i>Prof. Johan van Benthem</i> Room: Keynote Hall Click here to join session		
4:00PM - 4:30PM (GMT+8)	Networking Venue: Networking Area, Recreation Area		
Friday, 12th November 2021			
	Technical Session: Natural Language Processing (4) Session Chair: Dan Corbett Room: Breakout 1 Click here to join session	Technical Session: Deep Learning (4) Session Chair: Aida Brankovic Room: Breakout 2 Click here to join session	Technical Session: Applications of AI (4) Session Chair: Peter Haddawy Room: Breakout 3 Click here to join session
11:00AM - 12:40PM (GMT+8) *each paper has 20 mins (15 mins for presentation, 5 mins for QnA)	Rumor Detection on Microblogs Using Dual-Grained Feature via Graph Neural Networks <i>Shouzhi Xu, Xiaodi Liu, Kai Ma, Fangmin Dong, Shunzhi Xiang and Changsong Bing</i>	SPAN: Subgraph Prediction Attention Network for Dynamic Graphs <i>Yuan Li, Chuanchang Chen, Yubo Tao and Hai Lin</i>	Generation of Environment-Irrelevant Adversarial Digital Camouflage Patterns <i>Xu Teng, Hui Zhang, Bo Li, Chunming Yang and Xujian Zhao</i>
	Short Text Clustering Using Joint Optimization of Feature Representations and Cluster Assignments <i>Liping Sun, Tingli Du, Xiaoyu Duan and Yonglong Luo</i>	WINVC: One-Shot Voice Conversion with Weight Adaptive Instance Normalization <i>Shengjie Huang, Mingjie Chen, Yanyan Xu, Dengfeng Ke and Thomas Hain</i>	Magnitude-Weighted Mean-Shift Clustering with Leave-One-Out Bandwidth Estimation <i>Yuki Yamagishi, Kazumi Saito, Kazuro Hirahara and Naonori Ueda</i>
	Soft-BAC: Soft Bidirectional Alignment Cost for End-to-End Automatic Speech Recognition <i>Yonghe Wang, Hui Zhang, Feilong Bao and Guanglai Gao</i>	Fusion Graph Convolutional Collaborative Filtering <i>Zeqi Zhang, Ying Liu and Fengli Sun</i>	Pervasive Monitoring of Gastrointestinal Health of Newborn Babies <i>Insu Song, Yi Huang, Tieh Hee Hai Guan Koh and Victor Samuel Rajadurai</i>
	Span Labeling Approach for Vietnamese and Chinese Word Segmentation <i>Duc-Vu Nguyen, Linh-Bao Vo, Thin Dang Van and Ngan Nguyen</i>	Multi-Label Learning by Exploiting Imbalanced Label Correlations <i>Shiqiao Gu, Liu Yang, Yaning Li and Hui Li</i>	Price and Time Optimization for Utility-Aware Taxi Dispatching <i>Yuya Hikima, Masahiro Kohjima, Yasunori Akagi, Takeshi Kurashima and Hiroyuki Toda</i>
	VSEC: Transformer-based Model for Vietnamese Spelling Correction <i>Dinh Truong Do, Ha Thanh Nguyen, Ngoc Thang Bui and Dinh Hieu Vo</i>	Random Sparsity Defense against Adversarial Attack <i>Nianyan Hu, Ting Lu, Wenjing Guo, Qiubo Huang, Guohua Liu, Shan Chang, Jiafei Song and Yiyang Luo</i>	VAN: Voting and Attention Based Network for Unsupervised Medical Image Registration <i>Zhiang Zu, Guixu Zhang, Yaxin Peng, Zhen Ye and Chaomin Shen</i>
20 mins	Break	Break	Break

	Technical Session: Vision and Perception (5) Session Chair: Shyamala Doraisamy Room: Breakout 1 Click here to join session	Technical Session: Natural Language Processing (5) Session Chair: Dickson Lukose Room: Breakout 2 Click here to join session	Technical Session: Reinforcement Learning Session Chair: Paul Weng Room: Breakout 3 Click here to join session
1:00PM - 2:40PM (GMT+8) *each paper has 20 mins (15 mins for presentation, 5 mins for QnA)	Few-shot Crowd Counting via Self-supervised Learning <u>Jiefeng Long</u> , Chun Li and Lin Shang	Enhanced Named Entity Recognition with Semantic Dependency <u>Peng Wang</u> , Zhe Wang, Xiaowang Zhang, Kewen Wang and Zhiyong Feng	Consistency Regularization for Ensemble Model based Reinforcement Learning <u>Ruonan Jia</u> , Qingming Li, Wenzhen Huang, Junge Zhang and Xiu Li
	Low-Rank Orthonormal Analysis Dictionary Learning for Image Classification <u>Kun Jiang</u> , Zhaoli Liu and Qindong Sun	Improving Sentence-Level Relation Classification via Machine Reading Comprehension and Reinforcement Learning <u>Bo Xu</u> , <u>Zhengqi Zhang</u> , Xiangsan Zhao, Hui Song and Ming Du	Detecting and Learning against Unknown Opponents for Automated Negotiations <u>Leling Wu</u> , Siqi Chen, Xiaoyang Gao, Yan Zheng and Jianye Hao
	MRAC-Net: Multi-Resolution Anisotropic Convolutional Network for 3D Point Cloud Completion <u>Sheng Liu</u> , <u>Dingda Li</u> , Wenhao Huang, Yifeng Cao and Shengyong Chen	Multi-modal and Multi-perspective Machine Translation by Collecting Diverse Alignments <u>Lin Li</u> , Turghun Tayir and <u>Kaixi Hu</u>	Batch-Constraint Inverse Reinforcement Learning <u>Mao Chen</u> , Li Wan, Chunyan Gou, Jiaolu Liao and Shengjiang Wu
	PupilFace: A Cascaded Face Detection and Location Network Fusing Attention <u>Xiang Li</u> and Jiancheng Zou	Simplifying Paragraph-level Question Generation via Transformer Language Models <u>Luis Enrico Lopez</u> , Diane Cruz, Jan Christian Blaise Cruz and Charibeth Cheng	KG-RL: A Knowledge-Guided Reinforcement Learning for Massive Battle Games <u>Shiyang Zhou</u> , Weiya Ren, Xiaoguang Ren, Xianya Mi, and Xiaodong Yi
	Nonlinear parametric transformation and generation of images based on a network with the CWNL layer <u>Slawomir Golak</u>	Improving Long Content Question Generation with Multi-Level Passage Encoding <u>Peide Zhu</u>	Adaptive Warm-Start MCTS in AlphaZero-like Deep Reinforcement Learning <u>Hui Wang</u> , Mike Preuss and Aske Plaatt
20 mins	Break	Break	Break
3:00PM - 4:00PM (GMT+8)	Keynote Talk #4: Integration of Deep Learning and Symbols <u>Prof. Yutaka Matsuo</u> Room: Keynote Hall Click here to join session		
4:00PM - 4:30PM (GMT+8)	Networking Venue: Networking Area, Recreation Area		