

Parallel Session A - Research on Artificial Intelligence Algorithms

Oct. 26th 13:30-17:30 GMT+07:00 Thailand - ChiangMai (14:30-18:30, GMT+08:00 China - Beijing)

Tencent/VooV Meeting ID: 620080744, Meeting Password: 2024

Chair: Dr. Ji Wang, Assistant: Zhenxing Xu (+86 152 0562 3003)

Paper ID	Authors	Title	Keywords
5803	Ao Chen, Xiren Zhou, Huaijun Li, Danyang Zhao and Huanhuan Chen	Sparse Model-Space Learning for Multivariate Sequence Classification	Multivariate Sequence Classification, Sparse Model-Space Learning, Echo State Network, Lasso Regression
564	Danni Yue	Adaptive Target-Consistency Entity Matching Algorithm Based on Semi-Supervised Learning	Entity Matching, Adaptive Target Consistency, Small Sample Size, Unlabeled Data
2071	Juan Chen, Qingren Jia, Jun Li, Anran Yang, Menglin Wu, Hui Wu and Chen Liu	An Automatic Point-of-Interest Generation Method based on Open Street View Images	street view images, deep learning, point-of-interest, smart city
2838	Jianpeng Guo, Chengwu Yang and Ming Zhao	A Review of Vulnerabilities Analysis in Intelligent Models for Communication Radio Identification	radio recognition, intelligence model, machine learning
4844	Jijia Cao, Guoyin Wang, Qun Liu and Haihuan Jiang	Multi-Granular Genetic Algorithm Based Task Allocation for Heterogeneous UAVs	multi-granular genetic algorithm, task allocation, multi-UAV system, granular-ball computing
6669	Yongfei Miao, Yihang Zhang, Wang Li, Xiaoxue Song, Yuze Song and Zekun Tang	Domain Knowledge Graph Construction Based on Generalized Information Extraction Models	Large Language Models, Knowledge Graph, Information Extraction, Military Domain
7599	Zhanzhe Li, Ningchao Ge, Haiwen Chen, Kaiming Xiao, Peng Peng and Hongbin Huang	MDL: Maximum Density Label-Cut Graph Partitioning	Distributed graph management, Graph partitioning, Maximum density label partitioning
1454	Wenzhen Yu, Runtong Zhang and Xiaochen Wang	A Method for Identifying Medical Consortia Based on Dynamic Distance-Based Community Detection	Medical Consortia, Dynamic distance-based, Community detection
2575	Xiao Feng, Ru Gao, Fujie Tang and Jianjun Luo	Multi-UAV Collaborative Reconnaissance Based on Multi Agent Deep Reinforcement Learning	Deep reinforcement learning, Improved MADDPG, Coordination reconnaissance, Multi-agent
3856	Xiong Dehui and Guo Hui	An End-to-End Segmentation Network for Unregistered muti-modality magnetic resonance images	Segmentation, muti-modality, magnetic resonance images(MRI), 3D Unet, Unregistered, deep convolutional neural networks
4723	Yihao Zhang, Xiarong Chen, Jichao Li, Gang Chen and Jiang Jiang	Research on the Selection and Application of Weapons Portfolio Considering Threats	heterogeneous combat network, multi-target weapon portfolio selection, NSGAI-DE algorithm, ADC modeling evaluation
4917	Jie Jiang, Tianjian Zhou, Hang Yang and Long Xu	Research on User Portrait Technology Based on Dynamic Graph Neural Network	human behavior portrait, dynamic graph neural network, mobile devices
8025	Weisheng Shi, Wenyu Zhang and Yiran Zhang	The Simulation of Mosaic Air Combat Based on Agent and Behavior Tree	Mosaic Air Combat, AFSIM, Agent Model, Behavior Tree

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Chair: Dr. Ji Wang, Assistant: Zhenxing Xu (+86 152 0562 3003)

Paper ID	Authors	Title	Keywords
8559	Yongfei Miao, Xiaolong Li, Shikai Wu, Xiaoqing Zhao, Yufeng Yang and Yue Yu	Method of Physiological State Abnormality Discrimination Based on Improved KNN Algorithm	Physiological Abnormality, Classification Algorithm, Hierarchical Clustering, KNN Algorithm
999	Yanpuze Hao, Bo Li, Renqi Zhu, Feng Yao, Xiang Lin and Wenxuan Fu	A Study on the Construction of State Sovereign Behavior Labeling System and Network Analysis	State Sovereign Behavior, Grounded Theory, Labeling System, Big Data Analyzing
2077	Bo Li, Renqi Zhu, Wenxuan Fu, Yanpuze Hao, Lin Pan and Fang Tang	A Study on the Deep Logic of Title Promotion of Scientific and Technological Talents in Colleges and Universities Based on Qualitative Comparative Analysis	scientific and technological talents, professional title promotion, Qualitative Comparative Analysis
5926	Qun Zhang, Jibing Wu, Mengna Zhu, Xuan Li, Liwei Qian and Lihua Liu	Thematic Event Clustering and Storyline Analysis Based on Multi-source Heterogeneous Chinese International Negotiation News	Event Storyline, Event Theme, Negotiation Documents
6627	Wantao Wen, Wenjun Ke, Jianhong Feng, Shaotong Liu, Zhewei Xu and Xiaojuan Sheng	Constructing Complexity Metrics for Measuring Generalization Ability of Deep Learning Models	Model Complexity Metrics, Generalization Ability, Sharpness of Model Solutions, PAC-Bayesian Theory
5691	Yang Boyu and Li Zhimeng	A Time-sensitive Target Value Ranking Method Based on Improved Auction Algorithm	kill chain, time-sensitive target, target sorting method, auction algorithm
6225	Wenbo Yuan, Chaofan Dai, Huahua Ding and Qideng Tang	A Patch-based Multiple Imputation Transformer Model for Time Series Data Completion	Time Series, Missing Data, Imputation Model
490	Xiaoya Liu, Jiayi Li, Tianhao Bai, Jingtong Gao, Pengle Zhang and Xiangyu Zhao	Research on Development of LLMs and Manual Comparison of Applications	LLMs, Application, Manual Metrics
5489	Xiang Xu, Xianqiang Zhu, Yuanyuan Guo and Yunfei Wang	Robustness of Heterogeneous Networks Under Dynamical Resource Configuration	Heterogeneous Network Robustness, Random Configuration, Node Centrality Configuration, SIR
7822	Tengyun Wang, Jibing Wu, Kaiming Xiao, Ningchao Ge, Hang Zhang, Tao Qiu and Yifan Zeng	Enhancing Tabular Data Generation through Data and Knowledge Dual-Driven Approaches	Table generate, data and knowledge, large language model
7609	Jinghan Chen, Zhuofei Wu, Yuhan Qi and Liubin Lai	Consumer Dynamic Trust Calculation in Social Commerce Based on Extended Subjective Logic	Consumer dynamic trust calculation, Social commerce, Extended Subjective Logic, Jøsang's subjective logic model

Parallel Session B - Image Generation and Data Processing

Oct. 26th 13:30-17:30 GMT+07:00 Thailand - ChiangMai (14:30-18:30, GMT+08:00 China - Beijing)

Tencent/VooV Meeting ID: 191090296, Meeting Password: 2024

Chair: Dr. Hang Zhang, Assistant: Liwei Qian (+86 151 5295 8806)

Paper ID	Authors	Title	Keywords
7678	Pan Liu, Yanming Guo, Jun Lei, Guohui Li	Chinese Fine-Grained Entity Typing Based on Box Embedding	Fine-grained entity typing, box embedding, typing modeling
8590	Jinlin Guo, Yuequn Gao, Li Zhang, Yancheng Zhao and Yutao Li	Video Falsity Detection Based on Multimodal Feature Fusion	Multimodal fusion, Modal alignment, Attention mechanism, Fake video message detection
1892	Xinyi Liu, Yu Liu, Zheng Zhang and Maojun Zhang	Infrared Image Generation Based on Improved CycleGAN Model	generative adversarial networks, infrared image generation, self-attention mechanism, feature fusion
6404	Xia Li, Yu Liu, Sijie He and Lizhen Wu	Infrared Data Generation Based on the IRGAN Model	generative adversarial networks, infrared data generation, semantic segmentation
9543	Zijian Chen, Miao Jia, Keyu Wu and Xingchen Hu	Horizontal Federated Learning of Deep Multi-view Fuzzy Clustering	Federated learning, Deep autoencoders, Multi-view fuzzy clustering
5717	Xiaojie Jin, Jianmai Shi, Zhihao Luo, Lingjie Zhou, Shuo Dang and Xuening Chang	Three-Dimensional Cooperative Deployment Optimization of Multiple Drone Base Stations with Building Obstruction Considerations	drone based stations, maximum coverage, building obstruction, network robustness, biogeography-based optimization
6396	Shengkai Jin, Yixing Ma, Shuqi Yang and Xiaosong Li	The Application of Big Data and Machine Learning in Petrogeochemistry	petrogeochemistry, big data, machine learning, geodynamic numerical simulation
9614	Jiahong Xie, Qing Liang, Kang Yang, Qingyue Xiong and Xiang Zheng	Boundary exploration analysis of air combat aircraft performance parameters based on DQN	DQN, reinforcement learning, boundary exploration, reward function
9638	Yinjian Hou, Yancheng Zhao and Kaiqi Yao	Federated Learning Backdoor Defense Based on Watermark Integrity	federated learning, poisoning attacks, high poisoned proportion, watermark integrity.
2259	Youchen Wang, Zhen Luan, Zongkai Tian, Huayi Zou, Qi Liu and Yuting Yang	Research on Visible Light Equipment Image Data Enhancement Technology Based on Generative Model	Image generation, Data augmentation, WGAN-GP
4260	Chaofan Dai, Xiaoguang Yuan, Zongkai Tian, Xinyue Hu, Zhen Luan and Youchen Wang	A Novel Wavelet based Generative Model for Time Series Prediction	Stock Market Prediction, Data Augmentation, Generative Adversarial Network, Wavelet Transform

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Chair: Dr. Hang Zhang, Assistant: Liwei Qian (+86 151 5295 8806)

Paper ID	Authors	Title	Keywords
5762	Shihua Yi, Jun Li, Chenyang Zhao, Xianhuai Li, Linfeng Li, Yong Chen and Yinghai Xie	Capacity Prediction Method for Ternary Lithium Batteries Based on Low-Frequency Noise	low-frequency noise, ternary lithium batteries, aging mechanisms, capacity estimation
6577	Yilin Bai	ConfidenceCal: Enhancing LLMs Reliability through Confidence Calibration in Multi-Agent Debate	Large Language Models, Multi-Agent Systems, Confidence Calibration, Uncertainty Metrics
7639	Baokang Zhao, Zengri Zeng, Zijin Luo, Haoyuan Zhang and Jiacheng Liu	Advancing AI-Driven Network Anomaly Detection: A Comparative Study Employing Big Data Analytics	Network Anomaly Detection, Big Data Analysis, Machine Learning
7310	Jiaxuan Liu, Yonggang Lu, Hongbin Huang, Jibing Wu, Mao Wang, Lianfei Yu and Shiyu Fang	Detail Increment Module for 3D Reconstruction in Single Particle Cryo-EM	Single particle, 3D reconstruction, Neural networks, Detail increment
5289	Chunhui He, Bin Ge and Chong Zhang	Chinese Text Open Domain Tag Generation Method via Large Language Model	tag generation, tag filtering, prompt learning, large language model
8437	Chaofan Dai, Haohao Zhou and Qideng Tang	Analysis and Modeling of UAV Data Collection in IoT Systems Based on Markov Fluid	UAV, data collection, Markov liquid
5580	Zhaoyun Ding, Yi Wang and Wangqun Lin	Identification of Unknown Malicious Flow Based on Adaptive Annotation and Deep Neural Networks	Deep learning, Unknown malicious flow identification, Adaptive labeling, Automatic update
8456	Pei Wang and Yuanhan Xie	Research on Data-Driven Competency Model for Staff Positions in Command Organizations	Competency Model, Staff Positions, Command Organizations, Data-Driven, Delphi Method, Analytic Hierarchy Process, Four-Dimensional Model
1342	Baomin Sun, Guo Zhang, Zhengxiang Xiong, Yunge Chen and Chuchu Qiu	Research on Military Simulation Scenario Generation method Based on Component and Knowledge Graph	simulation scenario, Generation method, knowledge graph, Component division
8920	Wei Guo, Hua Yu, Run Li, HongWen Yang and Fei Zhao	Multi dimensional feature trajectory association network based on channel attention mechanism	Track association, Feature extraction, Channel attention mechanism, Twin Network

Parallel Session C - Big Data and Optimization Algorithms

Oct. 26th 13:30-17:30 GMT+07:00 Thailand - ChiangMai (14:30-18:30, GMT+08:00 China - Beijing)

Tencent/VooV Meeting ID: **459047168**, Meeting Password: **2024**

Chair: Dr. Ningchao Ge, **Assistant:** Yuehang Cao (+86 139 7516 9200)

Paper ID	Authors	Title	Keywords
635	Mengxin Ou, Tianyang Lei, Siyuan Zhang, Zhiwei Yang, Kewei Yang and Yuejin Tan	Prediction of Energy Consumption Based on Discrete Fourier Transform and BiLSTM	Energy prediction, Neural network, Discrete Fourier transform, Spectrum analysis
1556	Zengxin Chen, Yuke Song, Weichang Sun, Xin Sun, Zhihao Luo and Jianmai Shi	Q-learning Based Genetic Algorithm for Solving Pollution Route Planning Problem	PRP, q-learning, ga, scheduling
442	Hailu Xin, Yaohong Zhang, Xiaoqing Li, Ji Wang and Hui Yan	Multi-UAV Assisted Computing Task Offloading for Large Scale Users	Mobile Edge Computing, Unmanned Aerial Vehicle, Task Allocation, Path Planning
1639	Chenxi Duan, Wei Wang, Minghao Li, Chongshuang Hu and Jiang Jiang	Product Recommender Strategy for a Reselling E-commerce Platform	e-commerce platform, reselling mode, recommender system, consumer preferencesgame theory
4591	Zhengzhi Lu, Yufeng Chen, Li Chen, Yanxiang Ling and Fengyao Zhi	Operational evaluation of UAV Swarm Precision Strikes with Agent Based Modeling and Simulation	UAV swarm, data analysis, agent-based modeling and simulation, effectiveness evaluation
5269	Mao Wang, Zhanzhe Li and Xuan Li	A Weighted Edit Distance for Text Correction in Warship Hull Number Recognition	Edit Distance, Warship Hull Number Recognition, Scene Text Recognition, Text Correction
7035	Juan Yang, Marco and Shanqing Ren	Research On Real-time Monitoring Framework For Crowd Flow Based On YOLOv5 And Spark Streaming	flow monitoring, YOLOv5, Spark Streaming
7114	Yaoyu Li, Jinyuan Liu, Lan Yu, Jiawu Peng and Xiaofan Guo	Pricing Decision of E-Commerce Supply Chain With Reference Price Effect and Consumer Platform Preference	E-commerce supply chain, Strategic consumer, Consumer platform preference, Two e-commerce platform
9560	Yancheng Zhao, Jinlin Guo and Yuxiang Xie	Controllable Face Synthesis via Bi-Level Routing Attention Zigzag Mamba Diffusion	Diffusion Models, Controllable Face Synthesis, State-Space Model, Bi-Level Routing Attention
3626	Yaogong Feng, Xiaowen Huang, Feng Jiang, Yangyang Sun and Jitao Sang	Pseudo Sample Synthesis based on Task-irrelevant Augmentation for Generalized Zero-shot Learning	Generalized zero-shot learning, pseudo samples, disentanglement, task-irrelevant features
1370	Boyu Jia, Yaohong Zhang, Weidong Bao, Ji Wang, Xiongtao Zhang and Zhengyi Zhong	Research on Optimization of Privacy Protection Algorithm Based on Federated Learning	Federated learning, Privacy protection, Algorithm optimization, Communication costs
2117	Shuai Jin, Yaoyu Li and Jiawu Peng	Building Machine Learning Models on Limited Transcriptomic RNA-seq Data	Transcriptomic RNA-seq, Machine Learning, Data Augmentation
2286	Yun-Ge Chen, Guo Zhang and Zheng-Xiang Xiong	Integrating Big Data Mining Technology to Improve Information System Decision-making Ability	joint operations command system, Big- Data Mining, date requirements, anti -ship combat

Parallel Session C - Big Data and Optimization Algorithms

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Tencent/VooV Meeting ID: **459047168**, Meeting Password: **2024**

Chair: Dr. Ningchao Ge, **Assistant:** Yuehang Cao (+86 139 7516 9200)

Paper ID	Authors	Title	Keywords
3746	Boyang Diao, Luohao Tang, Zhong Yang, Xianyi Fu, Zhuoting Yu and Cheng Zhu	Two-Layer Network Configuration Optimization Approach Considering Primary And Backup Paths	Configuration, Logical-physical network, Genetic algorithm, Robust metric
9265	Jie Jiang, Bingquan Zhou, Tianjian Zhou and Yi Zhong	Deep Event-based Object Detection in Autonomous Driving: A Survey	Event-Based Camera, Object Detection, Autonomous Driving, Neuromorphic Vision, Spiking Neural Network, Graph Neural Network, Multi-modal Learning, Deep Neural Network
2972	Yanqing Ye, Bin Lin, Li Ma, Weilong Yang, Bu Pu and Xiaomin Zhu	A Broad Learning based Classification Model for Sparse and High Dimensional Data	Broad learning, sparse and high-dimensional data, classification model, BLCM model, microbial data
4717	Jinshen Jiang, Hao Yang and Yun Zhou	FATA: Focal-Adjusted Test-Time Adaptation Under Data Imbalance	test-time adaptation, entropy minimization, data imbalance, focal loss
4875	Jingyang He, Chen Chen and Wenhua Li	Ship Berth Scheduling Optimization through Evolutionary Computation	Berth Scheduling, Evolutionary Algorithms, Combinatorial Optimization, Operational Efficiency
4287	Xuanyu Zhang, Jian Huang, Sihang Zhou, Dexing Wei, Changyu Qian and Zexin Li	Cross-Layer Cascading Chain-of-Thought Based Object Detection Algorithm for Aerial Images in Foggy	object detection, image restoration, dataset construction, foggy environment
7950	Haosheng Song, Lin Wang, Luran Mi, Hua Yu and Jingwei Gan	DCAPT-Net: A Multi-Scale Ship Detection Algorithm for SAR Images	SAR Image, Ship Detection, Deep Learning, Attention Pyramid, Transformer
471	Yang Yang, Yi He, Qingnan Wang, Yue Han and Youwei Shi	Another Fuzzy Clustering Method for Virtual Machine Resource Allocation	cloud data center, fuzzy clustering, virtual machine, fuzzy c-means, data-centered network
4988	Xianhuai Li, Shihua Yi, Yinghai Xie, Zexin Hu, Chenyang Zhao, Linfeng Li and Yong Chen	Lithium Thionyl Chloride Battery RP Estimation Mechanism Based on Wavelet Framework and Neural Networks	meter clock battery, lithium thionyl chloride battery, RP estimation, wavelet framework, BPNN
9878	Jie Chen, Zezhou Zou and Jinwu Gao	Efficiency decomposition for the relational two-stage network DEA approach with satisfaction degree	Data envelopment analysis, Two-stage DEA, Leader-follower game
9289	Xiao Jin, Pingping Rao and Wencan Guan	Coupled Electric-Thermal Damage Modeling and Machine Learning for Lightning Strikes on Soil	lightning strikes, plasma channel, numerical model, machine learning

Parallel Session D - Big Data Analysis and Intelligent Systems

Oct. 26th 13:30-17:30 GMT+07:00 Thailand - ChiangMai (14:30-18:30, GMT+08:00 China - Beijing)

Tencent/VooV Meeting ID: **847004202**, Meeting Password: **2024**

Chair: Dr. Weixin Zeng, **Assistant:** Ziyang Chen (+86 158 6123 2770)

Paper ID	Authors	Title	Keywords
1106	Jianbin Sun, Ruirui Zhao, Xinyang Wu, Bingfeng Ge and Jiang Jiang	Matching Degree Histogram-Based Concept Drift Detector for Data Stream	concept drift detection, histogram, matching degree, data stream mining
2926	Lingjie Zhou, Zhihao Luo, Pengbo Jiao, Xiaojie Jin, Xin Sun and Jianmai Shi	A Priority-Based Hybrid Algorithm for UAV Path Planning	UAV reconnaissance, Path planning, DQN, ALNS
3555	Lelin Hu, Lei Liu, Jian Zhu and Bin Li	Decomposable Transformer with Inter-series Dependencies and Intra-Series Temporal Modeling for Multi-Horizon Photovoltaic Power Forecasting	photovoltaic power forecasting, trend-seasonal decomposition, inter-series dependencies modeling, intra-series temporal modeling
4200	Rui Xuan, Fei Wang and Shuhui Chen	Network Topology Detection Method Based on BGP Protocol and Simulation Verification	Autonomous system, BGP protocol, network topology, EVE-NG, IoT
4727	Zhang Can and Li Qun	Clique-Based Overlapping Community Detection in Centralized MDS Collaborative Localization	Overlapping Community Detection, MDS, CPM, Collaborative Localization
9673	Weiwei Zhao, Hui Yan, Wei Cao, Yaqian You, Xiaoqing Li and Zhenxing Xu	UAV Mission Planning Method for Internet of Things Data Collection: A Survey	Internet of Things (IoT), Unmanned aerial vehicles (UAVs), Data collection, Path planning, Task scheduling, Resource allocation
1825	Zhehan Liu, Jinming Liu, Jungang Yan, Jie Chun, Xiang Lin and Xiaolu Liu	A Neural-Guided Adaptive Large Neighborhood Search Algorithm for the communication Satellite Range Scheduling Problem	low earth orbit internet constellation, communication satellite range scheduling problem, neural-guided adaptive large neighborhood search multilayer
2750	Haixuan Wang, Lai Kang, Shanshan Wan, Tianrui Shen and Jingqian Gong	CAD4Real: Training Drone Object Detection Models without Manual Ingestion	anti-UAV, object detection, 3D photorealistic graphics, dataset, transfer learning
5229	Wei Shi, Honglan Huang, Xingxing Liang, Longfei Zhang, Fangjie Yang, Qi Wang, Guangquan Cheng, Jincai Huang and Zhong	O2OAT: Efficient Offline-to-Online Reinforcement Learning with Adaptive Transition Strategy	offline-to-online reinforcement learning, adaptive weighting factor, policy collapse
7314	Xuanfei Zhou, Weicheng Luo, Yutong Yuan, Boya Tang, Linbo Qiao, Chen Wang and Xingxuan Chen	MGEPM: Specific Composition Style Melody Generation based on Music Gene Expression Programming	Automatic music generation, Gene expression programming, LSTM

Parallel Session D - Big Data Analysis and Intelligent Systems

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Chair: Dr. Weixin Zeng, **Assistant:** Ziyang Chen (+86 158 6123 2770)

Paper ID	Authors	Title	Keywords
5133	Boliang Sun, Chao Chen and Zeng Li	Research landscapes, hotspots and emerging trends of Recommender System (2000-2024): A Scientometric Analysis	recommender systems, scientometric analysis, vosviewer
6048	Lin Pan, Anqi Ye, Feng Yao, Bo Li, Mingyu Liu and Renqi Zhu	Research on Sustainable Governance of Smart Cities Based on Microblog Big Data	smart cities, microblog, data governance, sustainable governance
6195	Zhengya Li, Wenxin Wang, Wei Ma, Huan Liu, Xiao Deng, Shaoqiu Zheng and Qing Zhang	Research on Intelligent Blue Army Strategy Modeling Method Based on Distribution Learning	distribution learning, intelligent blue army, strategy modeling, reinforcement learning, self-play
2070	Zining Wang, Qingtao Pan, Haosen Wang, Zhaolin Lv, Xian Wu and Zhishuai Chen	An Empirical Analysis of the Impact of Population and Economy Factors on Regional Energy Consumption	Index system, Prediction model, Energy consumption, Data analysis
2596	Rulin Yuan, Liang Feng, Junjie He, Tiantian Liu, Tao Huang and Bangchun Liu	Prediction Model of Postgraduate Innovation Capability Evaluation Results Using Random Forest Based on Hyperparameter Optimization Algorithms	postgraduate, innovation capability, prediction model, random forest, Bayesian optimization
1554	Sihao Choy	The Effect of Operating Conditions of Nursing Home on Residents' Subjective Well-Being: A Case Study of Nursing Home in Hefei	Subjective-wellbeing, Elder, Population Aging, Long-term Care Facility, Nursing Home, Occupancy Rate
5139	Yiqin Ma, Jin Liu, Jiaqi Ren, Dongdong Cao and Weili Li	Asymmetric Information Infrastructure Network Attack-Defense Game False Network Construction Model	infrastructure protection, complex networks, game theory, asymmetric information
8244	Jianpeng Guo, Chengwu Yang and Guangning Song	A Survey of Recognition Model Attack Algorithms in Communication Countermeasure	Adversarial Attacks, Deep Learning, Communication Systems, Cybersecurity
8742	Huacheng Zhang, Yong Shao, Li Zhang, Bowei Chen, Fanquan Kong, Bowen Han and Jiajia Qiao	MD-HRNet: a land use classification method based on unbalanced samples	Deep Learning, Land Use/Land Cover, Sentinel-2, Semantic Segmentation
9157	Chaochao Zhang, Boliang Sun and Xiaodong Ling	Establishing a Digital-Driven Framework for Evaluating Digital Assets	digital asset evaluation framework, time series, comprehensive capability matrix

Parallel Session E - Application of Artificial Intelligence Technology

Oct. 26th 13:30-17:30 GMT+07:00 Thailand - ChiangMai (14:30-18:30, GMT+08:00 China - Beijing)

Tencent/VooV Meeting ID: **523052394**, Meeting Password: **2024**

Chair: Dr. Xiren Zhou, **Assistant:** Yutong Yuan (+86 191 7665 5497)

Paper ID	Authors	Title	Keywords
7280	Enqi Tian, Shengfei Lyu, Huanhuan Chen, Lei Liu and Bin Li	DQN-SCI: A Reinforce Learning Method for Sequential Causal Inference	Sequential Causal Inference, Feature Selection, Active Feature Acquisition, Deep Q-network
1723	Yingguo Chen, Jie Chun, Ming Chen, Xiaolu Liu and Yingwu Chen	A Deep Reinforcement Learning Method for SAR Earth Observation Satellite Scheduling Problem	Synthetic aperture radar, earth observation satellite, scheduling problem, deep reinforcement learning, optimization
3311	Chengqi Huang, Wenqian Liang, Yong Zhang, Huichen Jia, Yue Hu and Shihao Lv	Unmanned Ground Weapon Target Assignment based on an Improved Artificial Bee Colony Algorithm	Weapon target assignment, Artificial bee colony algorithm, Genetic algorithm, Unmanned ground vehicles
4140	Zexian Chen, Xiren Zhou, Huaijun Li, Danyang Zhao and Huanhuan Chen	MS-PRNet: A Novel Hierarchical Framework for Efficient and Accurate Medical Image Registration	Medical Image Registration, Feature Pyramid Network, Multi-scale Processing, Deformable Image Registration, Deep Learning
6485	Yan Chen, Yuxiang Xie and Yingmei Wei	Deep Learning Advances in Camouflaged Object Detection	Camouflaged Object Detection, Deep Learning, Review
6967	Bing Chen and Daniel. Li	Research on High-accuracy Indoor Personnel Positioning Technology in the Complex Environment of Nuclear Power Plant Turbine Building	Turbine building of nuclear power plant, personnel positioning, fusion positioning solution
7941	Nan Wan and Yi Zhang	Enhancing Temporal Dynamics and Hypergraph Convolutions for Sequential Recommendation	Sequential recommendation, Hyper-graph learning, Personalized recommendation
6955	Wei Wei, Xiang Li, Kun Liu and Siyu Tan	A Brief Analysis of Palantir Gotham: A Collaborative and Interactive Big Data Visualization Analysis Software Based on Dynamic Ontology	Big Data Analysis, Collaborative Interactive Visualization, Dynamic Ontology, Palantir Gotham
566	Zhenyu Song and Yang Gao	IS-DDI: Invariant Substructure Based Method for Drug-Drug Interaction Prediction	drug-drug interaction prediction, substructure, domain invariance, generalization ability
4507	Dayong Shen, Chenfeng Hu, Xiang Jiang, Xiao Wei, Zhongshan Zhang, Feng Yao and Tao	A Hypergraph-based Temporal Model for Electronic Health Records	EHR, Hypergraph, Temporal sequences
5790	Mengzhe Hei, Qingbao Liu and Xin Zhang	Enhancing Information Extraction from Low-sample Materials Science Literature by Transfer Learning	AI for materials, information extraction, transfer learning

Parallel Session E - Application of Artificial Intelligence Technology

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Tencent/VooV Meeting ID: 523052394, Meeting Password: 2024

Chair: Dr. Xiren Zhou, Assistant: Yutong Yuan (+86 191 7665 5497)

Paper ID	Authors	Title	Keywords
6552	Wen Tang, Chong Zhang, Jiwei Yang, Jibing Wu and Hongbin Huang	Updatable Spatial Learned Index based on Dimensionality Reduction	learned index, dimensionality reduction, multi-Segment Linear Model, index query and update
7392	Longfei Zhang, Zhong Liu, Xingxing Liang, Zhendu Li, Yanan Ni, Jiao Luo and Lumin Jiang	Offline-Online Hybrid Reinforcement Learning Algorithm and Training-Evaluation Framework in Typical Adversarial Game Scenarios	game adversarial, intelligent decision making, hybrid reinforcement learning, training and evaluation frameworks
1365	Xuanzhe Li, Wenjun Ke, Jianhong Feng, Shaotong Liu, Zhewei Xu and Xiaojuan Sheng	Estimation of the Generalization Ability of Deep Learning Model Based on Complexity	Generalization Ability Estimation, Machine Learning Models, Bayesian Optimization
2466	Yanfeng Wang, Liangji Zhang, Zhimin Liu, Miao Yu, Li Wan, Yunlong Yu, Yang Liu and Guoxiong Zhuo	sLSTM-FECAM: A Study of Carbon Emission Prediction Method by Fusing Spectral Channel Attention and Deep Time Series Modeling	Carbon Emission Forecasting, sLSTM, FECAM, Combination model, Low-Carbon Economy
3676	Yanghui Fu, Qing Cheng, Guangquan Cheng and Jincai Huang	Improving Event Argument Extraction: A Machine Reading Comprehension-Infused Multi-layer Label Pointer-net	event argument extraction, multi layer label pointer-net, machine reading comprehension, M2EE, LLMs
289	Di Wang, Mengyu Zhang, Kun Wu, Chen Xu, Junjie Li and Liang Gao	Intelligent Identification Algorithm of Key Nodes in Kill web Networks Based on PageRank	Kill web Networks, Key Node Identification, Node Classification, PageRank, decision-making support
8578	Yonghui Wang, Jin Liu, Zhe Li, Jiaqi Ren and Weili Li	Analysis of Network Resilience for Physical-Logical Dual-Layer Networks in Network Management Nodes	Physical-logical dual-layer networks, Network management nodes, Network resilience
8764	Jiwei Yang, Fei Wu, Chong Zhang, Wen Tang, Jibing Wu and Hongbin Huang	Continuous Learning for Small-Sample Entity Extraction Based on Self-Training and Data Augmentation	event detection, attention mechanism, causal inference, interpretability
6950	Bowen Han, Li Zhang, Bawei Chen, Fanquan Kong, Shao Yong and Yuanlin Cai	Fine Classification of Industrial and Mining Areas in XuZhou City Using Sentinel-2 Imagery	Sentinel-2, Random Forest, Mining Area, Fine Classification, Pattern Evolution
2222	Haoran Zhang, Lining Xing and Jian Wu	A hybrid-driven Rule-based System Towards Centralized Online Performance Assessment of Aircraft Swarms in an Open World	Aircraft swarms, Performance assessment, Open world, Rule-based systems, Knowledge-data collaboration