

Conference Program

December 20, 2024 (Friday)		IIP&A 2024	
14:00-21:00	Registration	1 st floor, Four Points by Sheraton Changsha Meixi Lake , 长沙步步高福朋喜来登酒店 1 st floor, Hotel Allseason (Meixi Lake BBG Supermarket Branch), 全季酒店 长沙麓谷梅溪湖步步高店	
18:00-20:00	Dinner	1 st floor, Four Points by Sheraton Changsha, Meixi Lake	
December 21, 2024 (Saturday), No. 228 Baixi Building (百熙楼)		IIP&A 2024	
Time	Activities	Speaker	Host
09:00-09:10	Welcome Speech	Yuanquan Shi, Vice President of HNFNU	Pan Xiao
09:10-09:20	Welcome Speech	Zhiping Cai, Vice director of CCF TCTCS	Pan Xiao
09:20-09:30	Overall Conference Introduction	Jianping Yin Chairman of Steering Committee	Pan Xiao
09:30-10:00	Query optimization engine for graph databases	Lei Zou, Peiking University	En Zhu
10:00-10:10	Group photo		
10:10-10:20	Tea break		
10:20-10:50	Sustainable human-AI interaction: Case study of AI-driven virtual co-pilots in aviation	Fan Li, Hong Kong Polytechnic University	En Zhu
10:50-11:20	Decoding urban rhythms: generative AI techniques for geospatial applications	Shanshan Feng, Institute of High-Performance Computing, A*STAR, Singapore	Kuan Li
11:20-11:50	Learning deep second-order visual representations via symmetric positive definite matrices	Lei Wang, University of Wollongong, Australia	Kuan Li

11:50-13:30	Lunch, 2 nd floor, Kuiyuan Restaurant, 葵园餐厅二楼 (校内)		
14:00-14:30	Digital detection technology for deepfake	Zhangjie Fu, Nanjing University of Information Science & Technology	Jiaohua Qin
14:30-15:00	Novel multi-view data clustering algorithm	Xinwang Liu, National University of Defense Technology	Jiaohua Qin
15:00-15:30	Knowledge driven deep learning	Nan Yin, Hong Kong University of Science and Technology	Jieren Cheng
15:30-16:00	Privacy risks and defense technologies for large language models (LLM)	Zhiping Cai, National University of Defense Technology	Jieren Cheng
16:00-16:20	Tea break		
Poster Session			
16:20-16:40	Research on the prediction method of gasoline octane loss based on data mining technology	Ting Tan	Chengkun Wu, Mengyun Yang, Mingfeng Su
	Dynamic pricing scheduling and mobile charging scheme for electric vehicles based on cloud and fog computing	Cui Gu	
	SCSE-UNet: A spatial channel squeeze-and-excitation UNet for medical image segmentation	Xiuli Liu	
	Channel attention-enhanced deep learning network for low-dose PET reconstruction	Zhuohao Ning	
	An improved smoke recognition algorithm based on a dual-channel Network and CBAM attention mechanism	Yu Qian	
	Research on GOOSE network DC protection for intelligence energy source station	Li Zhiguo	
	A water quality prediction method based on WOA-CNN-LSTM Model	Rui Luo	
	A fine-grained image classification method utilizing the Transformer's attention mechanism combined with feature fusion	Jiayu Li	
	PSF3-YOLOv8: Low resolution vehicle detection algorithm based on improved YOLOv8	Yiyuan Cheng	
	Classification of pothole pavement based on pseudo-sample generation augmentation	Renye Zhang	
Driving risk assessment approach with	Siyu Wu		

	machine learning under the influence of braking rate		
	Abnormal behavior recognition based on the Transformer model: A comprehensive summary of research progress	Yuang Chen	
Panel Discussion			
16:40-17:20	Current status, challenges and trends of artificial intelligence applications in industry	Xinzhong Zhu, Xianghui Liu, Jingming Xue, Jun Long, Xiaolei Ding, et al.	Jianping Yin
Oral Presentation			
17:20-17:30	Few-shot event extraction with a dialogue-based large language model	Xinyao Long	Jianming Zhang
17:30-17:40	Error prediction for smart meters based on random forest and BP neural network	Jiahao Zeng	Jianming Zhang
17:40-17:50	A novel drug-disease association prediction model based on deep non-negative matrix factorization	Bin Yang	Hengfu Yang
17:50-18:00	CPA-UNet: nnUNet-based local pyramid aggregation network	Zhuohao Deng	Hengfu Yang
18:00-20:30	Awarding Banquet, 2nd floor, Kuiyuan Restaurant, 葵园餐厅二楼 (校内)		En Zhu, Xianghui Liu
20:30-21:00	Upcoming IIP&A Conference Announcement		Jianping Yin
22 December, 2024 (Sunday)			IIP&A 2024
09:00-11:00	On-site Learning and Discussion		Hengfu Yang