IFTC 2024
第21届数字多媒体通信国际论坛
The 21th International Forum of Digital Multimedia Communication
2024.11.28 - 2024.11.29　中国·海南·陵水

会 议 议 程

11月28日	
09:00-22:00	**报到注册** （地点：海南蓝湾绿城威斯汀度假酒店大堂）

11月29日	
09:00-14:00	**报到注册** （地点：海南蓝湾绿城威斯汀度假酒店大堂）

开幕式及大会
（地点：海南蓝湾绿城威斯汀度假酒店宴会厅1厅）

时间	内容	主持人
09:00-09:10	领导致辞	主持人： 翟广涛
09:10-09:50	主旨报告　**郑伟诗　中山大学 教授**	
09:50-10:30	主旨报告　**马 展　南京大学 教授**	
10:30-10:45	全体与会人员合影 & 茶歇	
10:40-12:30	海报展示（Poster）1	
10:45-12:15	口头报告（Oral）1	
12:30-14:00	午 餐（自助）	
14:00-14:40	主旨报告　**冯大权　深圳大学 教授**	主持人： 叶 龙
14:40-15:20	主旨报告　**程皓楠 中国传媒大学 副研究员**	
15:20-15:30	茶 歇	
15:30-17:30	海报展示（Poster）2	
15:30-17:00	口头报告（Oral）2	
18:00-20:00	晚 宴	

Location: Banquet Hall 1, Westin Hotel & Resorts

9:00-9:10 Opening Ceremony

9:10-9:50 Keynote Speech

- 郑诗伟, 中山大学教授

9:50-10:30 Keynote Speech

- 马展 南京大学教授

10:30-10:45 Photos & Coffee Break

10:45-12:15 Oral Session

每篇论文12分钟汇报/12 Minutes Report，3分钟提问

- Learning Subimage-Adaptive Convolution Block for Real-Time Single Image Super-Resolution. Taiheng Ye, Rui Zhang, Yi Xu
- Memory-Guided Hierarchical Feature Reconstruction for Multi-Class Unsupervised Anomaly Detection. Kai Huang, Shubo Zhu, Weiyu Hu, Pan Feng, Xue-Qin Jiang
- Attention-Guided Semantic Segmentation Network for High-Dimensional Multi-Scale Land Remote Sensing. Qinbing Ge, Guie Jiao
- MIMCN: Multi-Interest Modeling with Capsule Network for News Recommendation. Guotong Di, Zhiye Chen, Yongkang Guo, Chuanzhen Li, George Wang
- Siamese Dual-Stage Network with Hierarchical Fusion for Remote Sensing Image Dehazing. Xin Lin, Junying Gao, Changhon He, Tao Yi, Xiangcheng Wan

10:45-12:15 Poster Presentation

- Fabric Defect Detection Method Based on Unlabeled Compact Deep Learning. Kezhen Lin, Fengnong Chen
- Causal Imitation Learning-Based Navigation Algorithm For Drones. Tao Sun, Jiaojiao Gu, Junjie Mou
- Rotation-Equivariant Human Motion Prediction via Quaternion Graph Convolutional Network. Yifei Zhang, Yi Xu
- Light Field Image Super-Resolution Network Based on Attention Mechanism. Chenhao Han, Shixu Ying, Shubo Zhou, Xiaoming Ding, Xue-Qin Jiang
- Predict Pedestrian Flow in Open Street Environment. Zhenyang He, Yiling Zhao, Xiaozhong Zhang, Pingrui Lai, Hua Yan
- Unsupervised 3D Face Reconstruction Method Based on ITV-Net. Tingzhe Zhang, Hui Li, Jun Zhou
- HomeArena：A Playground for Home Appliance Intelligence Development and Evaluation. Xu Wu, Ruixun Kong, Chuchu Dong
- A Method for Surface Defect Detection Based on Denoising and Self-Supervised Reconstruction. An Xing, Shubo Zhou, Xue-Qin Jiang, Zhijun Fang, Huanchun Peng
- A Quantitative Method for Visual Appearance Recognition of Swollen Eyes Based on 3D Information of Eye-Related Key Points. Min Zhou, Yiyan Yang, Xuefei Song
- VNNet: A Deep Learning-Based System for Video Visual Style Classification. Yaxin Bai, Qinglan Wei, Li Yang
- Virtual Digital Intelligence in Broadcasting Television and Online Audiovisual Fields: Applications and Risks. Xiaoling Zhu, Ran Bai, Xiaoye Ouyang, Xiaocheng Hu, Liu Yuan
- Research on Cross-Modal Recommendation System Based on Deep Neural Network. Yan Gao, Xiaobing Li, Jingge Zhao, Yuan Zhang, Yun Tie
- Transmission Line Bolt Missing Detection Based on Improved YOLOv8 Network. Shounan Bao, Chaofeng Li
- FastTalker: Co-Speech Gesture Generation via Fast-Order Diffusion ODE Solver. XiaoYing Huang, Sanyi Zhang, Binjie Liu, Xiaoxuan Guo, Long Ye
- Spatio-Temporal Scene Graph Reasoning Networks for Emotion Recognition in User-Generated Videos. Di Lu, Xiaobing Li, Yuhang Lu, Qingwen Zhou, Yun Tie
- Research on Legal Question Answering System with Retrieval-Augmented Large Language Models. Nuo Xu, Siben Li, Yufan Xia
- Frame-Level Complexity Control for Practical Encoder x265. Yan Wang, Jianchuan Li, Guo Lu
- CS2DMNet: Color Space Feature Interaction and Dual-Domain Multi-Scale Collaboration Network for Low-Light Image. Wei Zheng, Lijun Zhao, Anhong Wang, Jinzhu Guo
- Reversible Data Hiding for Encrypted 3D Mesh Model Based on Optimal Grouping Strategy and Multiple-Bit Plane Prediction. Kai Hu, Li Liu, Anhong Wang, Shijie Ma
- Semantic-Driven Free-View 3D Human Motion Video Composite. Shaolin Wang, Xinyan Yang, Kai Yang, Long Ye, Qin Zhang
- Multiplayer Interaction Feature Extraction for Skeleton-Based Action Recognition. Wuzhen Shi, Youwei Pan, Dan Li, Yang Wen, Yutao Liu
- A Lightweight Infrared and Visible Image Fusion Method for Object Detection. Chang Zhang, Wen Ji

12:30-14:30 Lunch

Location: Westin Hotel & Resorts

14:30-15:10 Keynote Speech

- 冯大权, 深圳大学教授

15:10-15:50 Keynote Speech

- 程皓楠, 中国传媒大学副研究员

15:50-16:10 Coffee Break

16:10-17:40 Oral Session
每篇论文12分钟汇报/12 Minutes Report，3分钟提问

- MSBA: Adaptive Multi-Stream Data Transmission Method with Bandwidth Awareness for End-Cloud Systems. Qi Guo, Wen Ji
- Joint Source-Channel Coding with Large Language Model: A Vibrotactile Example. Shuijie Li, Kemi Chen, Runjie Wang, Weiling Chen, Tiesong Zhao
- Implicit Online Saddle Point Optimization. Xia Lei, Qing-xin Men
- MAFNet: Multi-Attention Fusion Network for Infrared Small Target Detection. Wangqi W Shen, Xiaofei Zhou, Zhi Liu
- Remote Photoplethysmography Signal Measurement from Facial Videos Based on Enhanced Hybrid Convolutional Neural Network with Waveform Consistency Loss Function. Fang Meng, Xin Pan, Tingfeng Huang

16:10-17:40 Poster Presentation

- MSO-YOLO: Real-time Pedestrian Detection Algorithm on Multi-Scale and Occlusion Situation. Tong Zhou, Fangfang Lu, Sangyu Yao, Guxue Sun, Yijie Huang
- Bidirectional Information Fusion Time Series Transformer for Telecom Fraud Detection. Shanzhi Jiang, Junhao Liu, Bin Lin, Yusheng Gao, Jie Sun, Zhi Liu
- Personalized Federated Meta-Learning Based on Gradient Clustering and Aggregation. Jiale Chen, Xiaoli Zhao, Hao Pan
- SSSGT: Silent Spiral Sparse Graph Transformer for Social Bots. Shan Liu, Zhen He, Guoli Yang
- Video QoE Modeling by Spatial-Temporal Resolutions. Nadir Mustafa Ali Mohamed, Runjie Wang, Ying Fang
- An End-to-End Full-Reference and No-Reference Quality Assessment Model for 360° VR Videos. Dun Pei, Xiongkuo Min
- Speech-Driven Video Quality Assessment for 2D Digital Humans: Evaluating PSNR and SSIM, Practicality and Limitations. Jie Wang, Caiwei Huang, Qi Wu, Caiwei Huang, Hong Tan
- Quality Assessment Indicators and Method of High-Resolution Space-Borne SAR Systems. Xin Lin, Tao Yi, Xiangdong Li, Junying Gao, Xiangcheng Wan, Kaizhi Wang
- USIAL-VC: A One-Shot Voice Conversion by U-Net-Based Encoder and Speaker Identity Adaptive Learning. Yutian Wang
- Near-Infrared Semantic Segmentation and Evaluation Method Based on Dual-Branch Information Fusion. Gangyi Tian, Wen Ji
- RG-GS: Rasterization-Enhanced and Geometric-Guided Gaussian Splatting. Bo Liu, Hongyu Jin, Fei Hu, Li Fang, Wei Zhong
- FMS-YOLO: Lightweight High-Altitude Work Safety Belt Detection. Sangyu Yao, Tong Zhou, Guxue Sun, Yijie Huang
- Lightweight Spatio-Temporal Attention Network for Video Super-Resolution. Guofang Li, Yonggui Zhu, Zijun Zhao
- MoT: A Mixture of TriPlanes Framework for Frequency-Aware Dynamic Neural Radiance Fields. Zhiwei Liu, Shengfan Wang, Fei Hu, Wei Zhong, Li Fang
- PolyMotion-7K: A Multimodal-Driven Polyglot Avatar Motion Dataset. Ming Meng, Xiaoping Hou, Yisheng Wang, Hanwen Liu, Yufei Zhao, Qin Yuan
- Persona Extraction and Integration with Large Language Models towards Personalized Dialogues. Xiaoru Qin, Kaihui Mu, Jiaojiao Li
- Objective Evaluation of Ambisonics Recording Performance Using Arbitrary Microphone Arrays. Congyu Huang, Zhiyu Li, Chuhan Qiu, Jing Wang, Maoshen Jia
- Exploration of AIGC Applications in Ink-Wash Animation Creation. Youchun Liu
- High Quality 3D Gaussian Avatar Modeling. Xinglong Peng
- MGTR-Avatar: Multi-Scale Gaussian Triplane Representation for High-Fidelity 3D Facial Model Reconstruction from a Monocular Video. Xinyuan Wen
- Content Adaptive Light Field Representation Using Fourier Disparity Layers. Wenjing Ling, Xinpeng Huang, Yaqian Luo, Ping An, Chao Yang
- A Human-computer-friendly Scalable Image Coding Scheme based on the Canny Edge Detection Algorithm. Yaqian Luo, Chao Yang, Ping An, Wenjing Ling, Xinpeng Huang

18:00-20:00 Banquet

Location: Westin Hotel & Resorts