

IFTC 2025 第 22 届数字多媒体通信国际论坛 The 22nd International Forum of Digital Multimedia Communication 2025.11.20 — 2025.11.22 中国·山西·太原		
会议议程		
11 月 20 日		
12:00-22:00	报到注册（太原九润温德姆酒店）	
11 月 21 日		
开幕式及大会		
(地点：太原九润温德姆酒店六层报告厅 1)		
09:00-09:10	领导致辞	主持人：翟广涛
09:10-09:50	主旨报告 1	
09:50-10:30	主旨报告 2	
10:30-10:45	全体与会人员合影& 茶歇	
10:45-12:30	海报展示 (Poster) 1	
10:45-12:15	口头报告 (Oral) 1	
12:30-14:00	午 餐（自助，温德姆酒店六层西餐厅）	
14:00-14:40	主旨报告 3	主持人：王安红
14:40-15:20	主旨报告 4	
15:20-15:40	茶歇	
15:40-17:10	海报展示 (Poster) 2	
15:40-17:10	口头报告 (Oral) 2	
18:00-20:00	晚 宴（温德姆酒店六层报告厅 1）	
11 月 22 日		
09:00-12:00	IFTC 内部会议	

Location: Function Hall 1, Floor 6, The Wyndham Hotel

9:00-9:10 Opening Ceremony

9:10-9:50 Keynote Speech

9:50-10:30 Keynote Speech

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

- Emotion Understanding in Visual Scenes via Instruction-Tuned Multimodal Models. Qinglan Wei, Fubin Cao, Mingrui Zhan
- Video Background Modeling Based on Diffusion Model. Yingjie Xiong, Dongmei Zhang, Hua Yang
- A Digital Image Robust Watermarking Model with Multi-Scale Attention. Wenrui Hao, Li Liu
- DMGS-YOLOv8: Improved Dual-Modal Object Detection Based on YOLOv8. Wang He, Wenbo Zhang
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10:45-12:15 Poster Presentation

- Joint Dynamic Electrode Permutation and Hierarchical Fusion for EEG-fNIRS Emotion Classification. Yaru Zhou, Xuan Meng, Xueying Zhang
- Enhancing the Power of GUI Agents by Reinforcement Learning. Guorong Liu, Renjie Ding, Ziheng Jia, Xin Peng, Kexin Huang, Fei Huang, Guangtao Zhai, Xiongkuo Min
- Intelligent Safety System for Coal Mines Based on 3D Human Reconstruction Using mmWave Radar. Jinheng Chai, Xianzhong Li, Yandong Zhao
- Gradient Distribution Balancing for Dual Imbalanced Long-Tailed Learning. Haoqing Yang, Xu Jiang, Yi Xu, Jun Zhou
- AmoMimic: Speech-Driven 3D Face Based on Emotion Enhancement and Multimodal Approach. Peifeng Wu
- Ultra-Efficient Same-Accuracy Mapping: Non-uniform B-splines with Incremental Voxel

Acceleration. Pengcheng Ji

- AGFNet: A Dual-Branch Real-Time Semantic Segmentation Network Based on Attention-Guided Fusion. He Wang, Houwang Li, Hongxu Song
- A Lightweight Progressive Co-Attention Network for Fine-Grained Cat and Dog Image Classification. Yu Hu, Jiachen Luo, Quan Lu, Yanhong Hao, Xuan Lu, Ting zhang, Peilun Feng
- Pathological Image Super-Resolution Reconstruction Based on Sparse Coding Non-local Attention Flow Model. Yu Zhang
- LNN-MPUNet: A Physics-Guided Multi-Stage Progressive U-Net for Seismic Random Noise Suppression. Huiwei Li
- DHRNet: Decoupled HSV Representation Learning Network for Low-Light Enhancement. Wanyun Zhao, Wei Zheng, Lijun Zhao, Anhong Wang, Tammam Tillo
- Explicable Low-Light Image Enhancement Based on Bidirectional Color-Consistency Constrained Optimization Model. Lijun Zhao, Jinjin Gao, Jinjing Zhang, Juanjuan Li
- Scalable Image Compression for Electric Power Inspection. Xiao Chen, Zeyu Chen, Wei Jiang, Chunjuan Wei
- Towards Reliable Cervical Cancer Screening: A Multimodal Transfer Learning Approach. Yuqi Gu, Xinyang Chen, Ziyu Zhou, Rui Zhang, Yi Xu
- MSTA-Net: Selecting High-Diagnostic-Value Segments in CLE Videos by Inferring Operator Cognitive Intent. Xingzai Liu, Zhixia Dong, Nuoxi Yu, Jiahui Yang, Jianyue Chen, Shan Wu, Xiajuan Xu, Xinjian Wan, Rongfu Zhang
- PGSFNet: Progressive Geometric-to-Semantic Fusion for Anime Character Line Art Colorization. Xiaofeng Zhang, Sanyi Zhang, Long Ye
- ELDCNN: Edge Extraction and Large Kernel Attention-Based Dual Convolutional Neural Network for Low-Dose CT Image Denoising. Lina Jia, Yizhuo Zhang, Ming Wang
- Color Filter Array Interpolation Using Two-Dimensional Discrete 3×4 Order HMM. Guogang Wang, Junlong Wang, Xiaohao Tao
- Universal Sparse Representation Learning for Image Extrapolation. Hao Liu
- Light Field Image Super-Resolution Network Based on Feature Iterative Separation and Fusion. Jinyao Zhang
- Content-Aware Reference Structure Optimization for Video Coding Using Image Fingerprints. Yifan Zang, Luheng Jia, Li Song
- Multi-Instance Multi-label Learning Based on a Gated Graph Attention Network. Yang Zhang
- EEG-Based Spatiotemporal Brain Model for Alzheimer's Disease Classification. Xuhui Zhai, Yina Guo
- MSDF-Net: A Multi-Scale Dynamic Fusion Network for Skin Lesion Segmentation. Shenchong Huo, Rui Ma, Jing Li
- Event Stream Separation Method Based on Polarization Dynamic Vision Response Imaging Technology. Jianan Liang, Xin Wang, Xiaotian Lu
- Genre-Aware Representation Learning for No-Reference Game Video Quality Assessment. Jifan Yang, Guangcheng Wang
- Dual-Track Graph Fusion Network for Hyperspectral Pathology Image Segmentation. Yuxuan Wang

12:30-14:00 Lunch

Location: Western Restaurant, Floor 6, The Wyndham Hotel

14:00-14:40 Keynote Speech

14:40-15:20 Keynote Speech

15:20-15:40 Coffee Break

15:40-17:10 Oral Session

每篇论文 12 分钟汇报/12 Minutes Report, 3 分钟提问

- Frequency Filtering and Domain Adaptation for Cross-Domain Few-Shot Object Detection. Xuwei Cheng
- Multi-Task Voting Feature Transformation Network for Gastrointestinal Tumor Segmentation. Luyao Chai, Hongrui Zhao
- A Benchmark Large-Size Infrared Image Dataset for Ethylene Leakage Segmentation. Fengshuo Lv, Shu Jin, Yingjie Zhang
- Enhanced Low-bitrate Light Field Video Compression Based on Key Sparse View Sequence Coding. Yao Zhang, Huan Li, Xinpeng Huang, Ping An

15:40-17:10 Poster Presentation

- DICJD-SR: Dual-stage Information Complementary Joint Demosaicing and Super-Resolution for Color Polarization Images. Zhang Xu, Jianan Liang
- A Mixed-Scale Gated Attention Multimodal Fusion Network for Missing Modalities. Chuanyan Li, Hong Shangguan, Jie Yang
- Low-Light Image Enhancement with Degradation-Feature Guided Cross-Channel Interaction. Chuanyan Li, Hong Shangguan, Jie Yang
- Polarization-Enhanced YOLO for Road Target Detection in Extreme Weather. Guangjie Tong, Jianan Liang
- A Benchmark Large-Size Cement Image Dataset for Dust Segmentation. Yingjie Zhang, Shu Jin, Fengshuo Lv
- An Edge-Aware Cross-Attentive Multiscale Method with Softmax-Gated Fusion for Air Pollution Monitoring. Zehan Wu, Chen Kai, Yingjie Zhang

- Mitigating Bidirectional Interference for Robust Contextual Working Memory in LLMs. Feng Shi, Wenying Xu, Jun Shi
- INGF: Integrated News Generation Framework with Multimodal Editing and Alignment. Nuo Xv, Xinyan Yang, Jinyuan Fu
- CLGA: A Linguistic Arena for Testing LLMs' Prowess in Chinese Literary Games. Ziyang Wang, Xiahui Ren, Jiahao Wang
- Large-Small Model Collaborative Framework for Core Business Consistency Evaluation Method. Yang An, Shaolei Zhou, Dongyu Liu
- VidDPOK: Aligning Text-to-Video Generation with Human Preferences via Reinforcement Learning. KaiHui Mu, Tianming Yang, Xianjie Feng
- Decoupled Prototype Network Based on Grassmann Manifold Orthogonal Projection. Yu Li
- GP-FusionNet: Accurate Depth-Guided 3D Reconstruction of Textureless Scenes with Gaussian Splatting. Renjie Huang, Wenqiang Xu, Menghan Hu
- Fine-Grained Respiratory Waveform Reconstruction with mmWave Radar by VMD and Lightweight CNN-BiGRU-AT Hybrid Network. Zhongfei Ni, Yubo Wang, Tianhao Guo
- Hearing the Scene: Contextual Effects of Spatial Audio Elements in VR. Di Zhang, Chuqiong Chen, Jiarui Shi
- SynSinger: Audio-driven Singing Avatar Motion Synthesis. Yanqi Wang, Zhixin Xu
- Brain-Inspired Audio Quality Assessment based on Audio-EEG Feature Fusion. Mingyu Li, Shuzhan Hu, Yang Liu
- Dynamic Aperture Expansion for UAV Swarm-Based Phased-Array Radar Systems. Yong Jin
- Prototype Similarity-based Adaptive Clustered Federated Learning Framework. Yincan Shu, Xiaoli Zhao, Hao Pan, Xiaogang Lin, Kangwei Wang
- BotSphere: A Multi-Agent Framework for Modeling Social Bot Influence on Public Opinion Dynamics. Kai Yang, Weijian Fan, Chichen Lin, Long Ye
- Performance Analysis of Hybrid RIS-Assisted Full Duplex Systems with LMMSE Channel Estimation. Juan Li, Suyue Li, Anhong Wang
- Weight Aware Synergy of Deep Reinforcement Learning and Evolutionary Algorithms for Multi-Objective VRPTW. Le Fang, Yanyan Guo
- SCMA-OAC Enabled Federated Learning. Yujie Zhang, Xianzhong Li, Yandong Zhao
- Intelligent LiDAR-Camera Monitoring and Early Warning for Power Transmission Line Safety. Xiaolong Sun, Jianan Liang, Jie Zhang
- Calculation Method for Distance Between Engineering Vehicles and Transmission Lines in External Damage Prevention Devices. Jiaming Zhao, Jianan Liang, Ruifeng Yang
- Implicit Neural Representation with Structured Sampling and Hybrid Position Encoding for Point Cloud Compression. Meichen Wu
- MC-AVD: Generalizable Audio-Visual Deepfake Detection via Multi-Modal Collaboration. Hanyue Liu, Haonan Cheng, Juanjuan Cai

18:00-20:00 Banquet

Location: Function Hall 1, Floor 6, The Wyndham Hotel