MMM 2025

31ST INTERNATIONAL CONFERENCE ON MULTIMEDIA MODELING
JANUARY 8 - 10, 2025
NARA, JAPAN

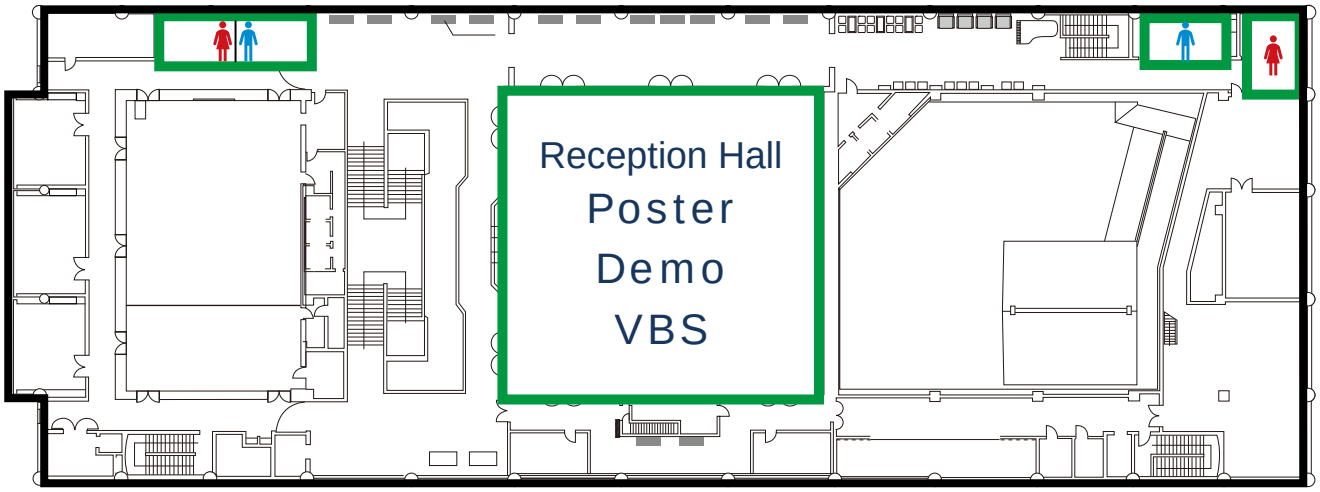
Program at a Glance

	Jan 7 (Tue)	Jan 8 (Wed)		Jan 9 (Thu)		Jan 10 (Fri)	
	2F: Reception Hall 1	1F: Noh-Gaku-Do (Noh-hall)	2F: Reception Hall 1	1F: Noh-Gaku-Do (Noh-hall)	2F: Reception Hall 1	1F: Noh-Gaku-Do (Noh-hall)	2F: Reception Hall 1
9:00		Registration @Entrance Hall		Registration @Entrance Hall		Registration @Entrance Hall	
9:15						Keynote 3 Dr. Andrei Bursuc	
9:30		Opening		Oral Session 3			
9:45		Keynote 1 Dr. Nancy F. Chen					
10:00							
10:15						Coffee Break	
10:30				Coffee Break			
10:45		Coffee Break		Oral Session 4		Oral Session 6	
11:00		Best Paper Session	Prep. for VBS (upon request)		Prep. for Demo		
11:15							
11:30							
11:45				Lunch Break		Lunch Break	
12:00		Lunch Break					
12:15							
12:30							
12:45							
13:00							
13:15			Prep. for VBS				
13:30					Poster 2 / Demo Session Coffee Break		Poster 3 / Demo Session Coffee Break
13:45							
14:00			Poster 1 Session Coffee Break				
14:15							
14:30							
14:45							
15:00				Oral Session 5		MLLMA Oral Session	
15:15							
15:30		Oral Session 1		Coffee Break			
15:45	Prep. for VBS		VBS (Expert Session)				
16:00				Keynote 2 Prof. Kiyoharu Aizawa		Coffee Break	
16:15						Oral Session 7	
16:30		Coffee Break					
16:45							
17:00		Oral Session 2				Closing	
17:15							
17:30							
17:45							
18:00			VBS (Team Presentation)	Banquet @ KOTOWA Nara Koen Premium View			
18:15							
18:30							
18:45			Welcome Reception				
19:00			VBS (Novice Session)				
19:15							
19:30							
19:45							
20:00							
20:15							
20:30							

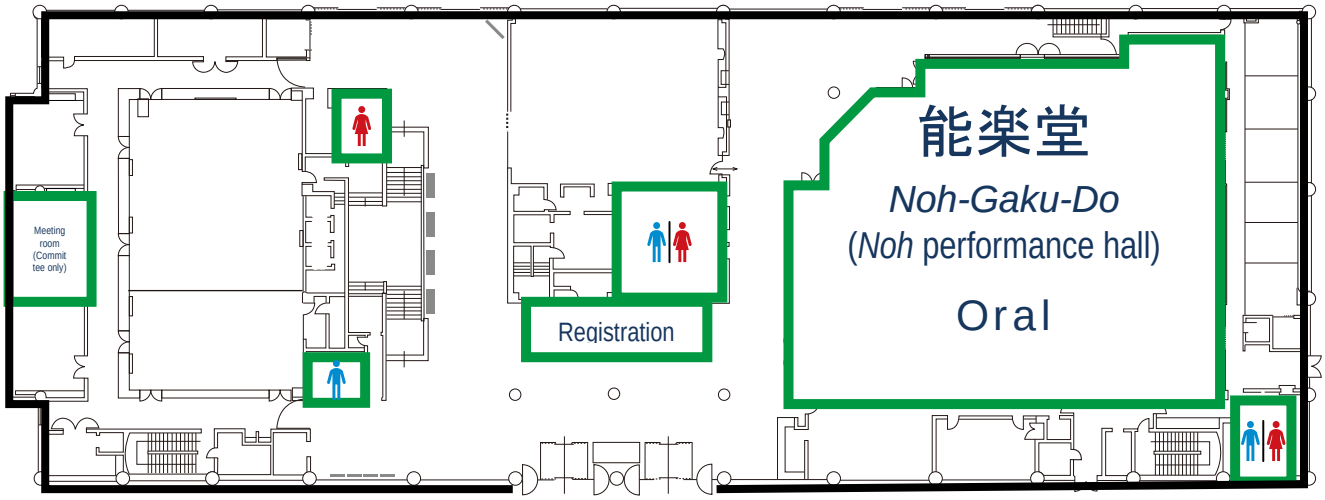
Venue

Nara Kasugano International Forum 甍 IRAKA (101 Kasugano-cho, Nara, 630-8212, Japan)

2F



1F



Inside *Noh-Gaku-Do*, please,

- Do not eat or drink
- Take off shoes on the stage

WiFi

- SSID: **`iraka-free`**
- Password: (none)

Proceedings

Published as Lecture Notes in Computer Science (LNCS), vols. 15520–15524.

Part I Part II Part III Part IV Part V

- Complementary download links will be provided separately during the conference.

Program

Day 1: Wednesday, January 8

9:00 – 17:00 Registration [1F: Entrance Hall]

9:30 – 9:45 **Opening** [1F: *Noh-Gaku-Do*]

9:45 – 10:45 **Keynote Talk 1: Dr. Nancy F. Chen (A*STAR)** [1F: *Noh-Gaku-Do*]
Multimodal, Multilingual Generative AI: From Multicultural Contextualization to Empathetic Reasoning
Chair: Chong-Wah Ngo (Singapore Management University)

«Coffee Break»

11:00 – 12:00 **Best Paper Session** [1F: *Noh-Gaku-Do*]
Chair: Toshihiko Yamasaki (The University of Tokyo)
[196] RoLD: Robot Latent Diffusion for Multi-task Policy Modeling (Tan, Wenhui; Liu, Bei; Zhang, Junbo; Song, Ruihua; Fu, Jianlong)
[379] TDM: Temporally-Consistent Diffusion Model for All-in-One Real-World Video Restoration (Li, Yizhou; Liu, Zihua; Monno, Yusuke; Okutomi, Masatoshi)
[451] ESC-MISR: Enhancing Spatial Correlations for Multi-Image Super-Resolution in Remote Sensing (Zhang, Zhihui; Pang, Jinhui; Li, Jianan; Hao, Xiaoshuai)
[462] Flat Local Minima for Continual Learning on Semantic Segmentation (Huang, Zhongzhan; Liang, Mingfu; Liang, Senwei; Zhong, Shanshan)

«Lunch Break»

14:00 – 15:30 **Poster Session 1** [2F: Reception Hall]
(See pp.7–8 for details)
«Coffee Break»

15:30 – 16:30 **Oral Session 1: Content Generation** [1F: *Noh-Gaku-Do*]
Chair: Luwei Zhang (The University of Tokyo)
[268] AD2AT: Audio Description to Alternative Text, a Dataset of Alternative Text from Movies (Lincker, Elise; Guinaudeau, Camille; Satoh, Shin'ichi)
[310] KuzushijiDiffuser: Japanese Kuzushiji Font Generation with FontDiffuser (Yuan, Honghui; Yanai, Keiji)
[167] Saliency Guided Optimization of Diffusion Latents (Wang, Xiwen; Zhou, Jizhe; Li, Mao; Zhu, Xuekang; Li, Cheng)
[308] Skin-Adapter: Fine-Grained Skin-Color Preservation for Text-to-Image Generation (Chen, Zhuowei; Huang, Mengqi; Chen, Nan; Mao, Zhendong)

«Coffee Break»

16:45 – 17:45 **Oral Session 2: Audio Analysis** [1F: *Noh-Gaku-Do*]

Chair: Ling Xiao (The University of Tokyo)

[273] Operatic Singing Voice Synthesis from Inexperienced Voice Considering Tempo and Vowel Change (Sugahara, Aoto; Kishimoto, Soma; Adachi, Yuji; Tai, Kiyoto; Takashima, Ryoichi; Takiguchi, Tetsuya)

[129] Small Tunes Transformer: Exploring Macro & Micro-Level Hierarchies for Skeleton-Conditioned Melody Generation (Lv, Yishan; Luo, Jing; Ju, Boyuan; Yang, Xinyu)

[430] WavFusion: Towards wav2vec 2.0 Multimodal Speech Emotion Recognition (Li, Feng; Luo, Jiusong; Xia, Wanjun)

[374] SPLGAN-TTS: Learning Semantic and Prosody to Enhance the Text-to-Speech Quality of Lightweight GAN Models (Chang, Ding-Chi; Li, Shiou-Chi; Huang, Jen-Wei)

14:30 – 17:30 Video Browser Showdown (Expert Session) [2F: Reception Hall]

18:00 – 20:00 **Welcome Reception /** [2F: Reception Hall]
Video Browser Showdown (Team Presentation / Novice Session)
(See pp.12–13 for details)

Day 2: Thursday, January 9

9:00 – 16:30 Registration [1F: Entrance Hall]

9:30 – 10:30 **Oral Session 3: Object Detection, Recognition, and Tracking**

Chair: Wei-Ta Chu (National Cheng Kung University) [1F: *Noh-Gaku-Do*]

[236] MineTinyNet-YOLO: An Efficient Small Object Detection Method for Complex Underground Coal Mine Scenarios (Yaling, Hao; Wei, Wu)

[436] Mix-YOLONet: Deep Image Dehazing for Improving Object Detection (Lim, Xin; Wong, Lai-Kuan; Loh, Yuen Peng; Gu, Ke; Lin, Weisi)

[411] Counting Unique Objects in Geo-Tagged Street Images: A Case Study of Homeless Encampments in Los Angeles (Ghasemi, Narges; Kim, Seon Ho; Alfarrarjeh, Abdullah; Shahabi, Cyrus)

[181] HCV: Lightweight Hybrid CNN-Vision Transformer for Visual Object Tracking (Chen, Liang-Chia; Chu, Wei-Ta)

«Coffee Break»

10:45 – 11:30 **Oral Session 4: Trusted and Explainable AI** [1F: *Noh-Gaku-Do*]

Chair: Kazuaki Nakamura (Tokyo University of Science)

[74] Detoxification of Unlabeled Dataset: Reducing Implicit Class Imbalance Using Pseudo-Jacobian of GAN’s Generator (Suyama, Kosei; Nakamura, Kazuaki)

[244] Making Strides Security in Multimodal Fake News Detection Models: A Comprehensive Analysis of Adversarial Attacks (Si, Jiahua; Wang, Youze; Hu, Wenbo; Liu, Qiang; Hong,

Richang)

[415] AMPLE: Emotion-Aware Multimodal Fusion Prompt Learning for Fake News Detection (Xu, Xiaoman; Li, Xiangrun; Wang, Taihang; Jiang, Ye)

«Lunch Break»

13:30 – 15:00 **Poster Session 2 / Demonstrations** [2F: Reception Hall]

(See pp.8–10 / 13–15 for details)

«Coffee Break»

15:00 – 15:45 **Oral Session 5: Signal Processing** [1F: *Noh-Gaku-Do*]

Chair: Masahiro Toyoura (University of Yamanashi)

[297] Uncertainty-Guided Joint Semi-Supervised Segmentation and Registration of Cardiac Images (Chen, Junjian; Yang, Xuan)

[337] Wavelet Integrated Convolutional Neural Network for ECG Signal Denoising (Terada, Takamasa; Toyoura, Masahiro)

[392] MPPQNet: A Moment-Preserving Product Quantization Neural Network for Progressive 3D Point Cloud Transmission (Cheng, Shyi-Chyi; Chen, Yen-Lin; Li, Shih-Yu)

«Coffee Break»

16:00 – 17:00 **Keynote Talk 2: Prof. Kiyoharu Aizawa (The University of Tokyo)** [1F: *Noh-Gaku-Do*]

Manga109 and MangaUB: How Far Can Large Multimodal Models (LMMs) Go in Understanding Manga?

Chair: Keiji Yanai (The University of Electro-Communications)

18:00 – 20:30 **Banquet** [KOTOWA Nara Koen Premium View]

Please expect at least 20 minutes' walk from the conference venue.

Day 3: Friday, January 10

9:00 – 16:30 Registration [1F: Entrance Hall]

9:15 – 10:15 **Keynote Talk 3: Dr. Andrei Bursuc (valeo.ai / INRIA)** [1F: *Noh-Gaku-Do*]

Multi-Modal Foundation Models in the Automotive Industry

Chair: Ichiro Ide (Nagoya University)

«Coffee Break»

10:30 – 11:30 **Oral Session 6: Recognition and Reasoning** [1F: *Noh-Gaku-Do*]

Chair: Satoshi Yamasaki (NEC)

[218] A Multi-Expert Collaborative Framework for Multimodal Named Entity Recognition (Xu, Bo; Jiang, Haiqi; Wei, Shouang; Du, Ming; Song, Hui; Wang, Hongya)

[266] SSDL: Sensor-to-Skeleton Diffusion Model with Lipschitz Regularization for Human Activity Recognition (Sharma, Nikhil; Sun, Changchang; Zhao, Zhenghao; Ngu, Anne Hee Hiong; Latapie, Hugo; Yan, Yan)

[395] Open-Vocabulary Scene Graph Generation via Synonym-Based Predicate Descriptor (Goto, Yuta; Yamazaki, Satoshi; Shibata, Takashi; Liu, Jianquan)

[274] Grounding Deliberate Reasoning in Multimodal Large Language Models (Chen, Jiaxing; Liu, Yuxuan; Li, Dehu; An, Xiang; Deng, Weimo; Feng, Ziyong; Zhao, Yongle; Xie, Yin)

«Lunch Break»

13:30 – 15:00 **Poster Session 3 / Demonstrations** [2F: Reception Hall]

(See pp.10–12 / 13–15 for details)

«Coffee Break»

15:00 – 16:00 **Special Session MLLMA Oral Session** [1F: *Noh-Gaku-Do*]

—Multimodal Large Language Models and Applications—

Chair: Rajiv Ratn Shah (IIIT-Delhi)

[193] Image2Text2Image: A Novel Framework for Label-Free Evaluation of Image-to-Text Generation with Text-to-Image Diffusion Models (Huang, Jia-Hong; Zhu, Hongyi; Shen, Yixian; Rudinac, Stevan; Kanoulas, Evangelos)

[288] Enhanced Anomaly Detection in 3D Motion through Language-Inspired Occlusion-Aware Modeling (Li, Su; Wang, Liang; Wang, Jianye; Zhang, Ziheng; Zhang, Junjun; Zhang, Lei)

[364] Evaluating VQA Models' Consistency in the Scientific Domain (C. Quan, Khanh-An; Guinaudeau, Camille; Satoh, Shin'ichi)

Panel Discussion

«Coffee Break»

16:15 – 17:00 **Oral Session 7: Search and Retrieval** [1F: *Noh-Gaku-Do*]

Chair: Nicolas Michel (The University of Tokyo)

[346] RobSparse: Automatic Search for GPU-Friendly Robust and Sparse Vision Transformers (Su, Yulan; Zhang, Sisi; Wang, Yan; Wang, Xingbin; Zhao, Lutan; Dan, Meng; Hou, Rui)

[232] Image-Generation AI Model Retrieval by Contrastive Learning-Based Style Distance Calculation (Vu, Thi Ngoc Anh; Shoji, Yoshiyuki; Oe, Yuma; Pham, Huu Long; Ohshima,

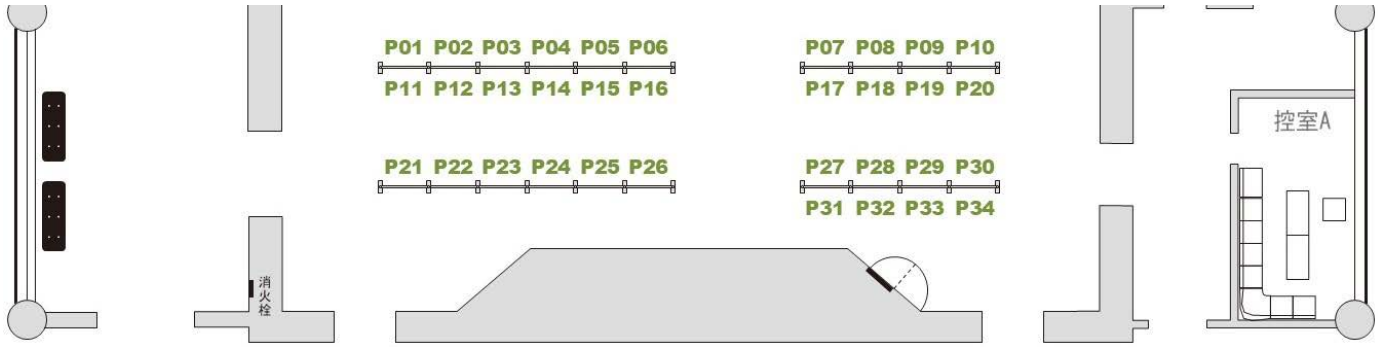
Hiroaki)

[414] Dynamic Exploration Graph: A Novel Approach for Efficient Nearest Neighbor Search in Evolving Multimedia Datasets (Hezel, Nico; Barthel, Kai Uwe; Schilling, Bruno; Schall, Konstantin; Jung, Klaus)

17:00 – 17:15 **Closing** [1F: *Noh-Gaku-Do*]

Posters

[2F: Reception Hall]



- Digital posters (Those labeled as DP) will be presented on the display.
- Posters for oral papers presented on each day can be presented at P24–P34.

Day 1: Poster Session 1 (PS1)

[P01 (120)] Quantized-ViT Efficient Training via Fisher Matrix Regularization (Shang, Yuzhang; Liu, Gaowen; Kompella, Ramana; Yan, Yan)

[P02 (121)] Saliency Based Data Augmentation for Few-Shot Video Action Recognition (Kong, Yongqiang; Wang, Yunhong; Li, Annan)

[P03 (128)] Hybrid Scalable Video Coding with Neural Compression and Enhancement for Streaming Media (Ye, Yuyao; Yang, Jiayu; Zhao, Yang; Gao, Mengping; Cao, Hongbin; Wang, Ronggang)

[P04 (130)] Pubic Symphysis-Fetal Head Segmentation Network Using BiFormer Attention Mechanism and Multipath Dilated Convolution (Cai, Pengzhou; Jiang, Lu; Li, Yanxin; Liu, Xiaojuan; Lan, Libin)

[P05 (131)] DART: Depth-Enhanced Accurate and Real-Time Background Matting (Li, Guofeng; Li, Hanxi; Li, Bo; Wu, Lin; Cheng, Yan)

[P06 (141)] MLP-AMDC: A MLP Architecture for Adaptive-Mask-based Dual-Camera Snapshot Hyperspectral Imaging (Cai, Zeyu; Chen, Xunhao; Zhang, Can; Chen, yuchong; Yang, Jiming; Shi, Wubin; Jin, Chengqian; Da, Feipeng)

[P07 (144)] Kiite World: Socializing Map-Based Music Exploration Through Playlist Sharing and Synchronized Listening (Tsukuda, Kosetsu; Takahashi, Takumi; Ishida, Keisuke; Hamasaki, Masahiro; Goto, Masataka)

[P08 (146)] Enhancing Environmental Monitoring through Multispectral Imaging: The WasteMS Dataset for Semantic Segmentation of Lakeside Waste (Zhu, Qinfeng; Weng, Ningxin; Fan, Lei; Cai, Yuanzhi)

[P09 (158)] Frequency-Aware Convolution for Sound Event Detection (Song, Tao; Zhang, Wenwen)

[P10 (163)] MSD-YOLO: An Efficient Algorithm for Small Target Detection (Liu, Dongyu; Zhu, Yuan; liu, rui; Xing, Zhecong; Geng, Weiyang; Wang, Yanqiang)

[P11 (166)] Robust Active Speaker Detection in Challenging Environments Using GNN-Fused Multi-Modal Cues and Body Language (Li, Yongqian; Luo, Yong; Zhou, Xin)

[P12 (172)] Intra-Class Compact Facial Expression Recognition Based on Amplitude Phase Separation (Tian, Xiang; Zhang, Yuan; Mu, Chang; Zhang, Ziyang)

[P13 (176)] PA2Net: Pyramid Attention Aggregation Network for Saliency Detection (Yu, Jizhe; Liu, Yu; Wu, Xiaoshuai; Xu, Kaiping; Li, Jiangquan)

[P14 (188)] LIESA: Low-Light Image Enhancement with Semantic Awareness (Zhang, Jingyao; Hao, Shijie; Sun, Fuming Sun; Rao, Yuan)

[P15 (195)] Deep Dual Internal Learning for Hyperspectral Image Super-Resolution (Sun, Yongqing; Liu, Hong; Chang, Qiong; Han, Xianhua)

[P16 (198)] Zero-Shot Sketch-Based Image Retrieval with Hybrid Information Fusion and Sample Relationship Modeling (Wu, Weijie; Li, Jun; Wu, Zhijian; Xu, Jianhua)

[P17 (206)] The Right to an Explanation under the GDPR and the AI Act (Juliussen, Bjørn Aslak)

[P18 (221)] Improving Singing Voice Transcription Generalization with AI Generated Accompaniments (Perez, Miguel; Kirchhoff, Holger; Grosche, Peter; Serra, Xavier)

[P19 (228)] LITA: LMM-Guided Image-Text Alignment for Art Assessment (Sunada, Tatsumi; Shiohara, Kaede; Xiao, Ling; Yamasaki, Toshihiko)

[P20 (229)] Towards Inclusive Education: Multimodal Classification of Textbook Images for Accessibility (Yadav, Saumya; Lincker, Élise; Huron, Caroline; Martin, Stéphanie; Guinaudeau, Camille; Satoh, Shin’ichi; Shukla, Jainendra)

[P21 (296)] GWUNet: A UNet with Gated Attention and Improved Wavelet Transform for Thyroid Nodules Segmentation (Zheng, Shuijing; Yu, Suxi; Wang, Yi; Wen, Jing)

[P22 (111)] SCLSTE: Semi-Supervised Contrastive Learning-Guided Scene Text Editing (Yin, Min; Xie, Liang; Liang, HaoRan; Zhao, Xing; Chen, Ben; Liang, RongHua)

[P23 (237)] Hyper-NeuS: Hypernetworks for Neural SDF Implicit Surface Reconstruction by Volume Rendering (Li, Jingkun; Qi, Na; Zhu, Qing)

Day 2: Poster Session 2 (PS2)

[P01 (192)] Comparative Analysis of Relevance Feedback Techniques for Image Retrieval (Vadicamo, Lucia; Scotti, Francesca; Dearle, Alan; Connor, Richard)

[P02 (241)] Understanding the Roles of Visual Modality in Multimodal Dialogue: An Empirical Study (Cao, Qian; Song, Ruihua; Chen, Xu)

[P03 (242)] DistillSleep: Leverage Self-Distillation to Improve Performance After Representation Learning for Sleep Staging (Yu, Le; Zhang, Xianchao; Qian, Shuxia; Sun, Hong)

[P04 (246)] Temporal Closeness for Enhanced Cross-Modal Retrieval of Sensor and Image Data (Yamamoto, Shuhei; Kando, Noriko)

[P05 (247)] An Analytical Method for Rendering Plenoptic Cameras 2.0 on 3D Multi-Layer Displays (Losfeld, Armand; Seznec, Nicolas; Van Bogaert, Laurie; Lafruit, Gauthier; Teratani, Mehrdad)

[P06 (251)] QRALadder: QoE and Resource Consumption-Aware Encoding Ladder Optimization for Live Video Streaming (Zhu, Yingqian; Gao, Guanyu)

[P07 (256)] Boosting Human Pose Estimation via Heatmap Refinement (Jiang, Ling; Liu, Zhuocheng; Li,

Kaige; Wu, Wei)

[P08 (265)] FoodMLLM-JP: Leveraging Multimodal Large Language Models for Japanese Recipe Generation (Imajuku, Yuki; Yamakata, Yoko; Aizawa, Kiyoharu)

[P09 (283)] LLMs-Based Augmentation for Domain Adaptation in Long-Tailed Food Datasets (Wang, Qing; Ngo, Chong Wah; Lim, Ee-Peng; Sun, Qianru)

[P10 (292)] Music2MIDI: Pop Music to MIDI Piano Cover Generation (Yip, Tin Yui; Chau, Chuck-Jee)

[P11 (293)] Balancing Efficiency and Accuracy: An Analysis of Sampling for Video Copy Detection (Chen, Xiangyu; Satoh, Shinichi)

[P12 (295)] One-Shot Generative Domain Adaptation by Constructing Self-Amplifying Datasets (Xiang, Yanru; Li, Yi)

[P13 (306)] Visual Anomaly Detection on Topological Connectivity under Improved YOLOv8 (Li, Yu; Xie, Zhenping)

[P14 (315)] HierArtEx: Hierarchical Representations and Art Experts Supporting the Retrieval of Museums in the Metaverse (Falcon, Alex; Abdari, Ali; Serra, Giuseppe)

[P15 (317)] DocMamba: Robust Document Image Dewarping via Selective State Space Sequence Modeling (Han, Miaolin; Li, Huibin)

[P16 (326)] Real-Time Action Detection in Volleyball Matches Using DETR Architecture (Shih, Mu-Jan; Hsu, Yi-Yu)

[P17 (332)] Select and Order: Enhancing Few-Shot Image Classification Through In-Context Learning (Huang, Hujiang; Xie, Yu; Gao, Jun; Fan, Chuanliu; Cao, Ziqiang)

[P18 (336)] SMG-Diff: Adversarial Attack Method Based on Semantic Mask-Guided Diffusion (Zhang, Yongliang; Liu, Jing)

[P19 (344)] Dual-Task Feedback Learning for Tongue Detection via Super-Resolution Integration (Sun, Ying; Wei, Meiyi; Chen, Gang)

[P20 (354)] Towards Visual Storytelling by Understanding Narrative Context through Scene-Graphs (Phueaksri, Itthisak; Kastner, Marc A.; Kawanishi, Yasutomo; Komamizu, Takahiro; Ide, Ichiro)

[P21 (456)] AMFT-YOLO: A Adaptive Multi-Scale YOLO Algorithm with Multi-Level Feature Fusion for Object Detection in UAV Scenes (Wang, Tiebiao; Li, Xiaoyang; Cui, Zhenchao)

[P22 (276)] Lightweight Dual Grouped Large-Kernel Convolutions for Salient Object Detection Network (Liu, Jiajie; Zhang, Zhibin)

[P23 (312)] Modeling High-Order Relationships between Human and Video for Emotion Recognition (Ai, Hanxu; Tao, Xiaomei; Li, Xingbing; Gan, Yanling)

[DP (117)] EIA: Edge-Aware Imperceptible Adversarial Attacks on 3D Point Clouds (Wang, Zhensu; Peng, Weilong; Wang, Le; Wu, Zhizhe; Zhu, Peican; Tang, Keke)

[DP (127)] MKSNet: Advanced Small Object Detection in Remote Sensing Imagery with Multi-Kernel and Dual Attention Mechanisms (Zhang, Jiahao; Gao, Guangyu; Zhao, Xiao)

[DP (140)] Infrared Small Target Detection with Feature Refinement and Context Enhancement (Li, Xiuhong; Zhu, Xinyue; Li, Boyuan; Li, Songlin; Wang, Luyao; Jia, Zhenhong)

[DP (173)] Modality-Specific Hashing: Transform Cross-Modal Retrieval into Single-Modal Retrieval (Ding, Guohui; Li, Zhonghua; Ren, Yongqiang)

[DP (178)] Multimodal Prompt Learning for Audio Visual Scene-aware Dialog (Xu, Feifei; Jia, Fumiaoyue; Zhou, Wang)

[DP (182)] MSA-Former: Multi-Scale Adaptive Transformer for Image Snow Removal (Wang, Bin; Chen, Zekun; Zhang, Lei; Liang, Shili; Guo, Sijia; Kang, Xinyu; Li, Huajing)

[DP (184)] SES-Net: Multi-dimensional Spot-Edge-Surface Network for Nuclei Segmentation (Lu, Congjian; Zhou, Shuwang; Shan, Ke; Zhang, Hongkuan; Liu, Zhaoyang)

[DP (189)] PianoPal: A Robotic Multimedia System for Interactive Piano Instruction Based on Q-Learning and Real-Time Feedback (Wang, Yufei; Yao, Junfeng; Wang, Zefeng)

[DP (199)] CLIP Multi-Modal Hashing for Multimedia Retrieval (Zhu, Jian; Sheng, Mingkai; Huang, Zhangmin; Chang, Jingfei; Long, Jian; Jiang, Jinling; Liu, Lei; Luo, Cheng)

[DP (223)] Integrating S1&S2 Framework for Enhanced Semantic Match in Person Re-Identification (Yang, Xiukang; Ge, Jingguo; Li, Hui; Li, Liangxiong; Wu, Bingzhen)

[DP (253)] Structural Information-Guided Fine-Grained Texture Image Inpainting (Fang, Zhiyi; Qian, Yi; Dai, Xiyue)

[DP (272)] GFA-UDIS: Global-to-Flow Alignment for Unsupervised Deep Image Stitching (Han, Sijia; Zhang, Zhibin)

[DP (275)] Joint Decision Network with Modality-Specific and Dual Interactive Features for Fake News Detection (Wu, Fei; Zhou, Ruixuan; Ji, Yimu; Jing, Xiao-Yuan)

[DP (277)] MS-SAM: Multi-Scale SAM Based on Dynamic Weighted Agent Attention (Yang, Enhui; Zhang, Zhibin)

[DP (281)] Multi-Modal Information Multi-Angle Mining for Multimedia Recommendation (Zhu, Yijie; Li, MingYong)

[DP (305)] MambaTalk: Speech-Driven 3D Facial Animation with Mamba (Zhu, Deli; Xu, Zhao; Yang, Yunong)

Day 3: Poster Session 3 (PS3)

[P01 (356)] Rotation Methods for 360-degree Videos in Virtual Reality —A Comparative Study (Hürst, Wolfgang; Zeches, Leo)

[P02 (360)] Camouflaged Object Detection Based on Localization Guidance and Multi-Scale Refinement (Wang, JinYang; Wu, Wei)

[P03 (362)] Poseidon: A NAS-Based Ensemble Defense Method against Multiple Perturbations (Su, Yulan; Zhang, Sisi; Lin, Zechao; Wang, Xingbin; Zhao, Lutan; Meng, Dan; Hou, Rui)

[P04 (363)] MM-CARP: Multimodal Model with Cross-Modal Retrieval-Augmented and Visual Region Perception (Guo, Junhao; Fu, Chenhan; Wang, Guoming; Lu, Rongxing; Chen, Dong; Tang, Siliang)

[P05 (365)] Revisit Data Association in Semantic SLAM Systems for Autonomous Parking (Shao, Xuan; Huang, Leming; Liu, Xinghua)

[P06 (368)] Lightweight Motion-Aware Video Super-Resolution for Compressed Videos (Kwon, Ilhwan; Li, Jun; Shah, Rajiv Ratn; Prasad, Mukesh)

[P07 (373)] Vision-Language Pretraining for Variable-Shot Image Classification (Papadopoulos, Sotirios; Ioannidis, Konstantinos; Vrochidis, Stefanos; Kompatsiaris, Ioannis; Patras, Ioannis)

[P08 (377)] A Multi-Aspect Multi-Granularity Pronunciation Assessment Method Based on Branchformer Encoder and Hierarchical Aggregation (Du, Wenxu; Wumaier, Aishan; Shi, Yahui; Yi, Nian; Liu, Dehua)

[P09 (386)] SCANet: Semantic Coherence Attention Network for Clothing Change Person Re-

Identification (Yang, Dajiang; Wu, Wei; Lee, Yuxing)

[P10 (417)] Toward a Full Pipeline Approach to Autonomous Drone Landing Site Identification: From Terrain Survey to Embedded Classifier (Springer, Joshua David; Guðmundsson, Gylfi Þór; Kyas, Marcel)

[P11 (429)] Innovative Lifelog Visualization and Exploration in Virtual Reality —A Comparative Study (Hürst, Wolfgang; Visser, Yannick)

[P12 (435)] Synchronization and Calibration of Video Sequences Acquired Using Multiple Plenoptic 2.0 Cameras (Bonatto, Daniele; Fernandes Pinto Fachada, Sarah; Sancho, Jaime; Juarez, Eduardo; Lafruit, Gauthier; Teratani, Mehrdad)

[P13 (444)] A Dual-Branch Model for Color Constancy (Chen, Zhaoxin; Ma, Bo)

[P14 (445)] Data-Free Functional Projection of Large Language Models onto Social Media Tagging Domain (Mu, Wenchuan; Lim, Kwan Hui)

[P15 (455)] MDT-Net: A Mask Decoder Tuning Strategy for CLIP-Based Zero-Shot 3D Classification (Yan, Hao; Bai, Jing)

[P16 (458)] Optimally Planning Drone Trajectory to Capture a 3D Gaussian Splatting Object (Wu, Cheng-Yuan; Sun, Yuan-Chun; Lee, Cheng-Tse; Hsu, Cheng-Hsin)

[P17 (230)] Quantifying Image-Adjective Associations by Leveraging Large-Scale Pretrained Models (Matsuhira, Chihaya; Kastner, Marc A.; Komamizu, Takahiro; Hirayama, Takatsugu; Ide, Ichiro)

[P18 (137)] Can Masking Background and Object Reduce Static Bias for Zero-Shot Action Recognition? (Fukuzawa, Takumi; Hara, Kensho; Kataoka, Hirokatsu; Tamaki, Toru)

[P19 (355)] CalorieVoL: Integrating Volumetric Context into Multimodal Large Language Models for Image-Based Calorie Estimation (Tanabe, Hikaru; Yanai, Keiji)

[P20 (416)] Multimodal Engagement Prediction in Human-Robot Interaction using Transformer Neural Networks (Lim, Jia Yap; See, John; Dondrup, Christian)

[P21 (431)] What Should Autonomous Robots Verbalize and What Should They Not? (Yoshihara, Daichi; Yuguchi, Akishige; Kawano, Seiya; Iio, Takamasa; Yoshino, Koichiro)

[P22 (438)] BiCA-YOLO: Bidirectional Feature Enhancement and Cross Coordinate Attention for Small Object Detection (Lv, Jinyan; Xiao, Guoqiang)

[DP (307)] Frequency-Based Unsupervised Low-Light Image Enhancement Framework (Wang, Haodian)

[DP (309)] Target-Oriented Dynamic Denosing Curriculum Learning for Multimodel Stance Detection (Suo, Zihao; Pan, Shanliang)

[DP (316)] Noise-Robust Separating Multi-Source Aliased Vibration Signal Based on Transformer Demucs (Jiang, Wanchang; Jiang, Yuxin)

[DP (321)] gFlow: Distributed Real-Time Reverse Remote Rendering System Model (Xu, Yixiao; Li, Yubo; Xu, Wanzhao; Gu, Yicheng; Wang, Yun; Ma, Jiangyuan; Qi, Zhengwei)

[DP (331)] BLCC: A Benchmark for Multi-LiDAR and Multi-Camera Calibration (Minghui, Hou; Gang, Wang; Zhiyang, Wang; Tongzhou, Zhang; Baorui, Ma)

[DP (342)] MC-YOLO: Multi-Scale Transmission Line Defect Target Recognition Network (Wang, Jingdong; Ding, Xu; Meng, Fanqi)

[DP (350)] A Novel Human Abnormal Posture Detection Method Based on Spatial-Topological Feature Fusion of Skeleton (Ma, Yuefeng; Cheng, Zhiqi; Liu, Deheng; Tang, Shiying)

[DP (359)] SSCDUF: Spatial-Spectral Correlation Transformer Based on Deep Unfolding Framework for

Hyperspectral Image Reconstruction (Zhao, Hui; Qi, Na; Zhu, Qing; Lin, Xiumin)

[DP (383)] Cross-View Geo-Localization via Learning Correspondence Semantic Similarity Knowledge (Chen, Guanli; Huang, Guoheng; Yuan, Xiaochen; Chen, Xuhang; Zhong, Guo; Pun, Chi-Man)

[DP (385)] Style Separation and Content Recovery for Generalizable Sketch Re-Identification and a New Benchmark (Lu, Lingyi; Xu, Xin; Wang, Xiao)

[DP (387)] Chain of Thought Guided Few-Shot Fine-Tuning of LLMs for Multimodal Aspect-Based Sentiment Classification (Wu, Hao; Yang, Danping; Liu, Peng; Li, Xianxian)

[DP (393)] Progressive Neural Architecture Generation with Weaker Predictors (Zhang, Zhengzhuo; Zhuang, Liansheng)

[DP (420)] Self-Supervised Reference-based Image Super-Resolution with Conditional Diffusion Model (Shi, Shuai; Qi, Na; Li, Yezi; Zhu, Qing)

[DP (447)] TPS-YOLO: The Efficient Tiny Person Detection Network Based on Improved YOLOv8 and Model Pruning (Yao, Li; Huang, Qianni; Wan, Yan)

[DP (460)] MICAN: Multi-Modal Inconsistency-Based Cooperation Attention Network for Fake News Detection (Yi, Zepu; Lu, Songfeng; Tang, Xueming; Zhu, Jianxin; Wu, Junjun)

[DP (214)] TACST: Time-Aware Transformer for Robust Speech Emotion Recognition (Wei, Wei; Zhang, Bingkun; Wang, Yibing)

[DP (215)] TS-MEFM: A New Multimodal Speech Emotion Recognition Network Based on Speech and Text Fusion (Wei, Wei; Zhang, Bingkun; Wang, Yibing)

Video Browser Showdown (Day 1) [2F: Reception Hall]

[406] VEAGLE: Eye Gaze-Assisted Guidance for Video Browser Showdown (Nguyen-Ho, Thang-Long; Huynh, Viet-Tham; Kongmeesub, Onanong; Tran, Minh-Triet; Nie, Dongyun; Healy, Graham; Gurrin, Cathal)

[501] VideoEase at VBS2025: An Interactive Video Retrieval System (Tran, Quang-Linh; Nguyen, Binh; Jones, Gareth J. F.; Gurrin, Cathal)

[502] Feature-Driven Video Segmentation and Advanced Querying with vitrivr-engine (Rossetto, Luca; Gasser, Ralph)

[503] HORUS: Multimodal Large Language Models Framework for Video Retrieval at VBS 2025 (Nguyen, Tai; Vo, Anh Ngoc Minh; Pham, Dat Duc; Tran, Vinh Quang; Duong, Nhu Thi Quynh; Le, Tien Anh; Le, Tan Duy; Nguyen, Binh T.)

[504] Interactive Video Search with Multi-Modal LLM Video Captioning (Cheng, Yu Tong; Wu, Jiaxin; Ma, Zhixin; He, Jiangshan; Wei, Xiao-Yong; Ngo, Chong Wah)

[505] FUSIONISTA: Fusion of 3-D Information of Video in Retrieval System (Le, Huy M.; Nguyen Tien, Dat; Le Duy, Khang; Nguyen Dang Quang, Tuan; Nguyen Khanh, Toan; Nguyen, Binh T.)

[506] ViFi: A Video Finding System at Video Browser Showdown 2025 (C. Quan, Khanh-An; Ngoc Nguyen, Qui; Tran, Minh-Triet)

[507] ViewsInsight2.0: Enhancing Video Retrieval for VBS 2025 with an Automatic Query Generator Powered by Large Language Models (Vuong, Gia-Huy; Ho, Van-Son; Nguyen-Dang, Tien-Thanh; Thai, Xuan-Dang; Ho-Le, Minh-Quan; Le, Tu-Khiem; Pham, Minh-Khoi; Ninh, Van-Tu; Gurrin, Cathal; Tran, Minh-Triet)

[508] VERGE in VBS 2025 (Pantelidis, Nick; Georgalis, Dimitris; Pegia, Maria; Galanopoulos, Damianos;

Apostolidis, Konstantinos; Stavrothanasopoulos, Klearchos; Moumtzidou, Anastasia; Gkountakos, Konstantinos; Gialampoukidis, Ilias; Vrochidis, Stefanos; Mezaris, Vasileios; Kompatsiaris, Ioannis)

[509] Exquisitor at the Video Browser Showdown 2025: Unifying Conversational Search and User Relevance Feedback (Sharma, Ujjwal; Khan, Omar Shahbaz; Rudinac, Stevan; Jónsson, Björn Þór)

[510] Simplified Video Retrieval in Virtual Reality with vitrivr-VR (Spiess, Florian; Rossetto, Luca; Schuldt, Heiko)

[511] diveXplore at the Video Browser Showdown 2025 (Leopold, Mario; Schöffmann, Klaus)

[512] NII-UIT at VBS2025: Multimodal Video Retrieval with LLM Integration and Dynamic Temporal Search (Tran Gia, Bao; Bui Cong Khanh, Tuong; Le Thi Thanh, Tam; Tran Doan, Thuyen; Le Tran Trong, Khiem; Do, Tien; Mai, Tien-Dung; Duc Ngo, Thanh; Le, Duy-Dinh; Satoh, Shin'ichi)

[513] PraK Tool V3: Enhancing Video Item Search Using Localized Text and Texture Queries (Stroh, Michael; Kloda, Vojtěch; Verner, Benjamin; Vopálková, Zuzana; Buchmüller, Raphael; Jäckl, Bastian; Lokoč, Jakub; Hajko, Jakob)

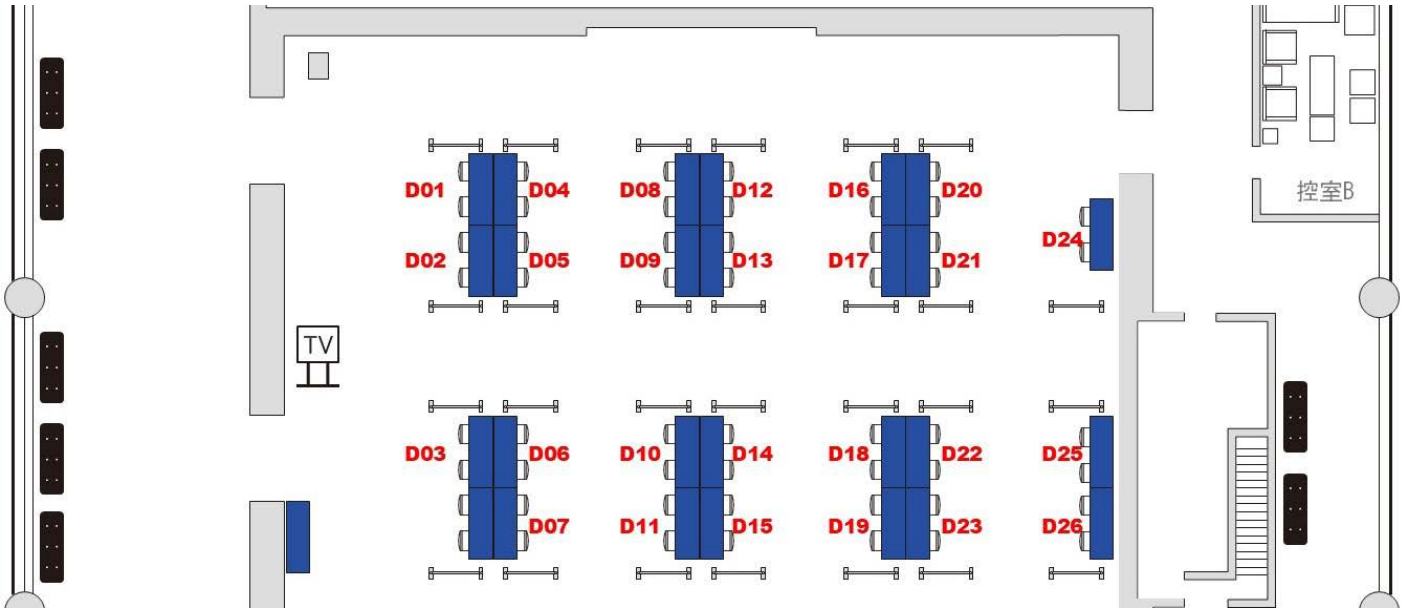
[514] MediaMix: Multimedia Retrieval in Mixed Reality (Arnold, Rahel; Kempf, Rahel; Waltenspül, Raphael; Schuldt, Heiko)

[515] SnapSeek 2.0 at Video Browser Showdown 2025 (Ho-Le, Minh-Quan; Ho, Duy-Khang; Do-Huu, Huy-Hoang; Le-Hinh, Nhut-Thanh; Vo-Hoang, Hoa-Vien; Ninh, Van-Tu; Gurrin, Cathal; Tran, Minh-Triet)

[517] IMSearch 2.0: Toward User-Centric and Efficient Interactive Multimedia Retrieval System (Luu, Duc-Tuan; C. Quan, Khanh-An; Nguyen, Duy-Ngoc; Bui-Le, Khanh-Linh; Doan, Nhat-Sang; Le-Ngo, Minh-Duc; Nguyen, Vinh-Tiep; Tran, Minh-Triet)

Demonstrations (Days 2 & 3)

[2F: Reception Hall]



[D01 (468)] SelectSum: Topic-Based Selective Summarization of Speech-Based Videos (Wattasseril, Jobin Idiculla; Döllner, Jürgen)

[D02 (469)] Real-Time Visualizer for Turntablist Performance (Hamanaka, Masatoshi)

[D03 (494)] Multi-Dimensional Exploration of Media Collection Metadata (Khan, Omar Shahbaz; Duane, Aaron; Hasnan, Hariz; Blavec, Noé Le; Ouvrard, Pierre; Verdon, Johan; d'Orazio, Laurent; Thierry, Constance; Jónsson, Björn Þór)

[D04 (470)] DriveCoach: Smart Driving Assistance with Multimodal Risk Prediction and Risk Adaptive Behavior Recommendation (Gan, Wenbin; Dao, Minh-Son; Zettsu, Koji)

[D05 (472)] System Demo of Modeling Smart University Campus Virtual Environments (Fernandez Roblero, Jaime Boanerjes ; Ali, Muhammad Intizar)

[D06 (473)] AMDA: Advancing Multimedia Data Annotation for Human-Centric Situations (Mohamed Serouis, Ibrahim; Sèdes, Florence)

[D07 (475)] FencBuddy: Action-Aware Depth Perception Training for Fencing Attacks (Hung-Yao, Peng; Zi-Heng, Zhong; Cheng-Chih, Tsai; Ching-Yeh, Chiang; Tse-Yu, Pan)

[D08 (477)] WaveFontStyler: Font Style Transfer Based on Sound (Izumi, Kota; Yanai, Keiji)

[D09 (479)] Training a Segmentation-Based Visual Anonymization Service for Street Scenes (Korb, Martin; Bailer, Werner)

[D10 (481)] CleverFox: Integrating Visual Mnemonics with AI for Enhanced Language Learning (Chiang, Yung-Chu; Tang, Zi-Xian; Luo, Yi-Ching; Chang, Jason S.)

[D11 (482)] Fingering Prediction for Classical Guitar: Dataset Creation and Model Development (Iino, Nami; Iino, Akinaru)

[D12 (483)] An Implementation of Networked JamSketch (Kitahara, Tetsuro; Tsutsumi, Takuya; Nagoshi, Takaaki; Suzuki, Taizan)

[D13 (485)] Using Language Models to Generate and Forget the Narrative Memories of an Assistive Robot (Garcia Contreras, Angel Fernando; Chang, Wen-Yu; Kawano, Seiya; Chen, Yun-Nung; Yoshino, Koichiro)

[D14 (486)] Better Image Segmentation with Classification: Guiding Zero-Shot Models Using Class Activation Maps (Borgli, Hanna; Stensland, Håkon Kvale; Halvorsen, Pål)

[D15 (488)] Transformer-Based Audio Generation Conditioned by 2D Latent Maps: A Demonstration (Limberg, Christian; Zhang, Zhe; Kastner, Marc A.)

[D16 (489)] KuzushijiFontDiff: Diffusion Model for Japanese Kuzushiji Font Generation (Yuan, Honghui; Yanai, Keiji)

[D17 (490)] SceneTextStyler: Editing Text with Style Transformation (Yuan, Honghui; Yanai, Keiji)

[D18 (492)] Multimodal Interoperability with the CLAMS Platform (Lynch, Kelley; Rim, Kyeongmin; King, Owen; Pustejovsky, James)

[D19 (493)] Enhancing User Control in AI-Based Video Summarization for Social Media (Kontostathis, Ioannis; Apostolidis, Evlampios; Apostolidis, Konstantinos; Mezaris, Vasileios)

[D20 (496)] Movie Retrieval Systems Using Genre-Guided Multimodal Learning Techniques (Huang, Wei-Lun; Hidayati, Shintami Chusnul; Pan, Tse-Yu)

[D21 (497)] A User Identification and Reading Style Detection System Based on Eye Movement Patterns During Reading (Kongmeesub, Onanong; Gurrin, Cathal; Nie, Dongyun)

[D22 (484)] Federated Learning with Multimodal-Sensing and Knowledge Distillation: An Application on Real-World Benchmark Dataset (Le, Duy-Dong; Huynh, Duy-Thanh; Bao, Pham The)

[D23 (499)] Efficient Deployment of Multimodal AI Models: Leveraging Pruning, Quantization and Multi-Objective Optimization for Edge Computing (Vu, Dang; Dang, Tien; Nguyen, Quoc-Trung; Pham, Tan)

[D24 (466)] Badminton Footwork Practice via an Immersive Virtual Reality System (Jheng, Duen-Chian; Harchan, Bill Louis; Kostka de Sztemberg, Berenika Nawoja; Hsu, Jen-Hao; Hu, Min-Chun)

[D25 (480)] RoboDJ: Live Commentary Robots System Driven by Physical- and Cyber-World

Observations (Kawanishi, Yasutomo; Nakamura, Yutaka; Shintani, Taiken; Ishi, Carlos T.; Kawano, Seiya; Yoshino, Koichiro; Minato, Takashi; Minoh, Michihiko)

[D26 (487)] Leveraging Latent Diffusion in 3D Gaussian Splatting for Novel View Synthesis (Li, Bohan; Li, Xingyi; Liang, Yangwen; Wang, Shuangquan; Song, Kee-Bong)

Voting Instructions for the Demonstration Award

The demonstration award is decided based on the voting by **on-site participants (You!!!)**. Please,

- Find the ballot inside your name tag holder.
- Vote for **up to three** good demonstrations excluding those from your own affiliation (University, Institute, …).
- Post it in the ballot box in the **Reception Hall** by **15:00** on **Day 3**.


Ballot box

Presenting Instructions

Oral Presenters

- Time slot: 12 minutes presentation + 3 minutes Q&A
- Please come to the stage in the *Noh-Gaku-Do* (1F) with your PC, **15 minutes before** the session starts.
- Please take your **shoes off** on the stage.
- Posters can also be presented in the afternoon on the same day. Please use any poster board at P24–P34.

Poster Presenters

- Please set up your poster **after 13:00** and before your session starts on the day of your presentation.
- Please **be available** for discussion in front of your poster **throughout the session**.
- Please remove your poster after,
  - The Reception (for Day 1).
  - The session ends (for Days 2 & 3).

VBS Participants

- Preparation: 13:00–14:30 on Day 1
  - If you need additional time in the morning, please contact the registration desk.
- Please wrap everything up after the Reception before 20:30.

Demonstrators

- Preparation: 9:30–13:30 on Day 2

- Please **be available** for discussion at your demonstration booth **throughout the sessions** on Days 2 & 3.
- Please wrap up everything before 18:00 on Day 3.

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