IEEE 4th International Conference on Multimedia Information Processing and Retrieval (IEEE MIPR 2021)

9:00am - 9:30am, Sep 8

Opening Ceremony

Host: Jianquan Liu (NEC Corporation, Japan)

Welcome message from Honorary Chairs

　　Shu-Ching Chen (Florida International University, USA)

Opening message from General Co-chairs

　Benoit Huet (Median Technologies, France)

Introduction on MIPR2021 from General Co-chairs

　Keiji Yanai (The University of Electro-Communications, Japan)

Report on Paper Selection from Program Co-Chairs

　Toshihiko Yamasaki (The University of Tokyo, Japan)

Announcement from Local Arrangement

　Yusuke Matsui (The University of Tokyo, Japan)

9:30am - 10:30am, Sep 8

Keynote 1: Two Innovative Applications in Multimedia Information Processing and Retrieval

Host: Jianquan Liu (NEC Corporation, Japan)

Speaker: Kien A. Hua (University of Central Florida, USA)

10:40am - 12:20pm, Sep 8

Oral Session 1

Host: Vincent Oria (New Jersey Institute of Technology, USA)

- Cross-Domain Person Re-identification with Identity-Preserving Style Transfer

  Shixing Chen (Wayne State University, USA), Caojin Zhang (Wayne State University, USA), Ming Dong (Wayne State University, USA), Chengcui Zhang (The University of Alabama at Birmingham, USA) 10:40am - 11:00am, Sep 8

- Weakly-Supervised Damaged Building Localization and Assessment with Noise Regularization

  Maria Presa-Reyes (Florida International University, USA), Shu-Ching Chen (Florida International University, USA) 11:00am - 11:20am, Sep 8

- A Manifold Semantic Canonical Correlation Framework for Effective Feature Fusion

  Zheng Guo (Ryerson University, Canada), Lei Gao (Ryerson University, Canada), Ling Guan (Ryerson University, Canada) 11:20am - 11:40pm, Sep 8

- An Interactive Cooking Support System for Short Recipe Videos Based on User Browsing Behavior

  Takuya Yonezawa (Kwansei Gakuin University), Yuanyuan Wang (Yamaguchi University), Yukiko Kawai (Kyoto Sangyo University; Osaka University), Kazutoshi Sumiya (Kwansei Gakuin University) 11:40am - 12:00pm, Sep 8

- Topic Detection for Video Stream Based on Geographical Relationships and Its Interactive Viewing System

  Itsuki Hashimoto (Kwansei Gakuin University), Yuanyuan Wang (Yamaguchi University), Yukiko Kawai (Kyoto Sangyo University; Osaka University), Kazutoshi Sumiya (Kwansei Gakuin University) 12:00pm - 12:20pm, Sep 8

12:30pm - 1:10pm, Sep 8
Sponsors Lunch Session 1:
EY TAX Labs

1:20pm - 2:20pm, Sep 8
Keynote 2: On the Road to Digital Transformation via Multimedia Information Processing
Host: Benoit Huet (Eurecom, France)
Speaker: Akio Yamada (NEC Corporation, Japan)

2:30pm - 3:50pm, Sep 8
Oral Session 2
Host: Shuqiang Jiang (Chinese Academy of Sciences, China)

- Augmented Tai-Chi Chuan Practice Tool with Pose Evaluation

  Yao-Fu Jan (National Taiwan University, Taiwan), Kuan-Wei Tseng (National Taiwan University, Taiwan), Peng-Yuan Kao (National Taiwan University, Taiwan), Yi-Ping Hung (National Taiwan University, Taiwan) 2:30pm - 2:50pm, Sep 8

- Learning-Based Tensor Decomposition with Adaptive Rank Penalty for CNNs Compression

  Deli Yu (University of Chinese Academy of Sciences, China; Chinese Academy of Sciences, China), Peipei Yang (Chinese Academy of Sciences, China; University of Chinese Academy of Sciences, China), Cheng-Lin Liu (Chinese Academy of Sciences, China; University of Chinese Academy of Sciences, China) 2:50pm - 3:10pm, Sep 8

- An Empirical Study of the Effects of Sample-Mixing Methods for Efficient Training of Generative Adversarial Networks

  Makoto Takamoto (Biometrics Research Laboratories, NEC, Japan), Yusuke Morishita (Biometrics Research Laboratories, NEC, Japan) 3:10pm - 3:30pm, Sep 8

- TLV-Bandit: Bandit Method for Collecting Topic-Related Local Tweets

  Carina Miwa Yoshimura (University of Tsukuba, Japan), Hiroyuki Kitagawa (University of Tsukuba, Japan) 3:30pm - 3:50pm, Sep 8

4:00pm - 5:30pm, Sep 8

TCMC Award Sessions 1

Host: Naoko Nitta (Osaka University, Japan)

- 2019 TCMC Rising Star Award 4:00pm - 4:30pm, Sep 8

  Title: Vision to Language: from Independency, Interaction, to Symbiosis

  Speaker: Ting Yao (JD AI Research, China)

- 2020 TCMC Rising Star Award 4:30pm - 5:00pm, Sep 8

  Title: Integrating knowledge and natural language for Visual Understanding

  Speaker: Lianli Gao (University of Electronic Science and Technology of China, China)

- 2021 TCMC Mid-term Career Award 5:00pm - 5:30pm, Sep 8

  Title: Multi-modality multimedia semantic information understanding and compression

  Speaker: Weiyao Lin (Shanghai Jiao Tong University, China)

5:40pm - 6:40pm, Sep 8

Poster & Demo Session 1

Host: Yoko Yamakata (The University of Tokyo, Japan), Qiang Ma (Kyoto University, Japan)

Spotlight: Poster + Demo core 5:40pm - 6:20pm

- Robust Homomorphic Video Hashing

  Priyanka Singh (Dhirubhai Ambani Institute of Information and Communication Technology, India) 6:20pm- 6:40pm

- Buy Me That Look: An Approach for Recommending Similar Fashion Products

  Abhinav Ravi (Data Sciences Myntra, India), Sandeep Repakula (Data Sciences Myntra, India), Ujjal Kr Dutta (Data Sciences Myntra, India), Maulik Parmar (Data Sciences Myntra, India) 6:20pm - 6:40pm

- Exploring the Spatial-Visual Locality of Geo-Tagged Urban Street Images

  Abdullah Alfarrarjeh (German Jordanian University, Jordan), Xiao Yang (University of Southern California, USA), Amani Abu Jabal (German Jordanian University, Jordan), Seon Ho Kim (University of Southern California, USA), Cyrus Shahabi (University of Southern California, USA) 6:20pm - 6:40pm

- Recalibration of Structured-Light RGB-D Cameras with Parametric Depth Error Correction

  Peng-Yuan Kao (National Taiwan University, Taiwan), Sheng-Wen Shih (National Chi Nan University, Taiwan), Yi-Ping Hung (National Taiwan University, Taiwan), Aye Mon Tun (National Chi Nan University, Taiwan) 6:20pm - 6:40pm

- Transformer Based Neural Network for Fine-Grained Classification of Vehicle Color

  Yingjin Wang (Beijing University of Posts and Telecommunications, China), Chuanming Wang (Beijing University of Posts and Telecommunications, China), Yuchao Zheng (Beijing University of Posts and Telecommunications, China), Huiyuan Fu (Beijing University of Posts and Telecommunications, China), Huadong Ma (Beijing University of Posts and Telecommunications, China) 6:20pm - 6:40pm

- One-Shot Example Videos Localization Network for Weakly-Supervised Temporal Action Localization

  Yushu Liu (Harbin Institute of Technology, China), Weigang Zhang (Harbin Institute of Technology, China), Guorong Li (University of Chinese Academy of Sciences, China), Li Su (University of Chinese Academy of Sciences, China), Qingming Huang (University of Chinese Academy of Sciences, China) 6:20pm - 6:40pm

- Stochastic Observation Prediction for Efficient Reinforcement Learning in Robotics

  Shisheng Wang (The University of Tokyo, Japan), Hideki Nakayama (The University of Tokyo, Japan) 6:20pm - 6:40pm

- Predicting Human Behavior Using User's Contextual Embedding by Convolution of Action Graph

  Aozora Inagaki (Meiji University, Japan), Shosuke Haji (Meiji University, Japan), Ryoko Nakamura (Meiji University, Japan), Ryo Osawa (Meiji University, Japan), Tomohiro Takagi (Meiji University, Japan), Isshu Munemasa (CyberAgent, Inc., Japan) 6:20pm - 6:40pm

- Predicting Human Behavior with Transformer Considering the Mutual Relationship between Categories and Regions

  Ryo Osawa (Meiji University, Japan), Keiichi Suekane (Meiji University, Japan), Ryoko Nakamura (Meiji University, Japan), Aozora Inagaki (Meiji University, Japan), Tomohiro Takagi (Meiji University, Japan), Isshu Munemasa (CyberAgent, Inc., Japan) 6:20pm - 6:40pm

- Practice-Oriented Real-time Person Occurrence Search System

  Satoshi Yamazaki (NEC Laboratories Singapore, Singapore), Hui Lam Ong (NEC Laboratories Singapore, Singapore), Jianquan Liu (NEC Corporation, Japan), Wei Jian Peh (NEC Laboratories Singapore, Singapore), Hong Yen Ong (NEC Laboratories Singapore, Singapore), Qinyu Huang (NEC Laboratories Singapore, Singapore), Xinlai Jiang (NEC Laboratories Singapore, Singapore) 6:20pm - 6:40pm

- Pop'n Food: 3D Food Model Estimation System from a Single Image

  Shu Naritomi (The University of Electro-Communications, Japan), Keiji Yanai (The University of Electro-Communications, Japan) 6:20pm - 6:40pm

- Are Theme Songs Usable for Anime Retrieval?

  Naoto Homma (Nihon University, Japan), Aiko Uemura (Nihon University, Japan), Tetsuro Kitahara (Nihon University, Japan) 6:20pm - 6:40pm

- Ad Hoc Search on Statistical Data Based on Categorization and Metadata Augmentation

  Taku Okamoto (Graduate School of Kyoto Sangyo University), Hisashi Miyamori (Graduate School of Kyoto Sangyo University) 6:20pm - 6:40pm

- Integrated Cloud-Based System for Endangered Language Documentation and Application

  Min Chen (University of Washington Bothell, USA), Jignasha Borad (University of Washington Bothell, USA), Mizuki Miyashita (University of Montana, USA), James Randall (University of Montana, USA) 6:20pm - 6:40pm

- Kyoto Sightseeing Map 2.0 for User-Experience Oriented Tourism

  Jing Xu (Kyoto University, Japan), Junjie Sun (Kyoto University, Japan), Taishan Li (Kyoto University, Japan), Qiang Ma (Kyoto University, Japan) 6:20pm - 6:40pm

- A Fact-Checking Assistant System for Textual Documents

  Tomoya Furuta (Gifu University, Japan), Yu Suzuki (Gifu University, Japan) 6:20pm - 6:40pm

9:00am - 9:50am, Sep 9

Special Session: Multi-modal Techniques for Multimedia

Host: Jianwei Zhang (Iwate University, Japan)

- Detection of the Stacked Objects Based on Mask R-CNN

  Jun Wu (Hubei University of Technology, China), Chengtian Yu (Hubei University of Technology, China), Zhixi Bao (Hubei University of Technology, China), Chunzhi Wang (Hubei University of Technology, China) 9:00am - 9:12am

- Socially Aware Multimodal Deep Neural Networks for Fake News Classification

  Saed Rezayi (University of Georgia, USA), Saber Soleymani (University of Georgia, USA), Hamid R. Arabnia (University of Georgia, USA), Sheng Li (University of Georgia, USA) 9:12am - 9:24am

- Clustering Trajectories via Sparse Auto-Encoders

  Xiaofeng Wu (Wuhan University of Technology, China), Rui Zhang (Wuhan University of Technology, China), Lin Li (Wuhan University of Technology, China) 9:24am - 9:36am

- Multimodal Machine Translation Enhancement by Fusing Multimodal-Attention and Fine-Grained Image Features

  Lin Li (Wuhan University of Technology, China), Turghun Tayir (Wuhan University of Technology, China) 9:36am - 9:48am

10:00am - 11:00am, Sep 9

Poster & Demo Session 2

Host: Terumi Umematsu (NEC Corporation, Japan), Hideki Nakayama (The University of Tokyo, Japan)

Spotlight: Poster + Demo core 10:00am - 10:40am

- XM2A: Multi-scale Multi-head Attention with Cross Talk for Multi-variate Time Series Analysis 10:40am - 11:00am

  Yash Garg (Arizona State University, USA), K. Selçuk Candan (Arizona State University, USA) 10:40am - 11:00am

- Dynamic Local Geometry Capture in 3D Point Cloud Classification

  Shivanand Venkanna Sheshappanavar (University of Delaware, USA), Chandra Kambhamettu (University of Delaware, USA) 10:40am - 11:00am

- Identifying Maturity Rating Levels of Online Books

  Eric Brewer (Brigham Young University, USA), Yiu-Kai Ng (Brigham Young University, USA) 10:40am - 11:00am

- A Hybrid Image Segmentation Approach for Thermal Barrier Coating Quality Assessments

  Zanyah Ailsworth (Virginia State University), Wei-Bang Chen (Virginia State University), Yongjin Lu (Virginia State University), Xiaoliang Wang (Virginia State University), Melissa Tsui (Commonwealth Center for Advanced Manufacturing), Huda Al-Ghaib (Commonwealth Center for Advanced Manufacturing), Ben Zimmerman (Commonwealth Center for Advanced Manufacturing) 10:40am - 11:00am

- A Novel Correntropy Analysis Method with Application to Multi-view Feature Representation

  Lei Gao (Ryerson University, Canada), Ling Guan (Ryerson University, Canada) 10:40am - 11:00am

- Dynamic Topic-Enhanced Memory Networks: Time-Series Behavior Prediction Based on Changing Intrinsic Consciousnesses

  Ryoko Nakamura (Meiji University, Japan), Hirofumi Sano (Meiji University, Japan), Aozora Inagaki (Meiji University, Japan), Ryo Osawa (Meiji University, Japan), Tomohiro Takagi (Meiji University, Japan), Isshu Munemasa (CyberAgent, Inc., Japan) 10:40am - 11:00am

- Multi-scale Context Interaction Learning Network for Medical Image Segmentation

  WenHao Fang (Yamaguchi University, Japan), Xian-Hua Han (Yamaguchi University, Japan), Xu Qiao (ShanDong University, China), HuiYan Jiang (Northeastern University, China), Yen-Wei Chen (Ritsumeikan University, Japan) 10:40am - 11:00am

- Supplementing Omitted Named Entities in Cooking Procedural Text with Attached Images

  Yixin Zhang (Kyoto University, Japan), Yoko Yamakata (The University of Tokyo, Japan), Keishi Tajima (Kyoto University, Japan) 10:40am - 11:00am

- Passenger Flow Estimation with Bipartite Matching on Bus Surveillance Cameras

  Shunta Komatsu (Tokyo University of Science, Japan), Ryosuke Furuta (The University of Tokyo, Japan), Yukinobu Taniguchi (Tokyo University of Science, Japan) 10:40am - 11:00am

- A Multi-modal Dataset for Analyzing the Imageability of Concepts Across Modalities

  Marc A. Kastner (National Institute of Informatics, Japan), Chihaya Matsuhira (Nagoya University, Japan), Ichiro Ide (Nagoya University, Japan), Shin'ichi Satoh (National Institute of Informatics, Japan) 10:40am - 11:00am

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11:10am - 12:10pm, Sep 9
TCMC Award Sessions 2
(Three talks will be given in parallel in the breakout rooms of Zoom.)
- 2019 TCMC Impact Award 11:10am - 12:10am

  Host: Shu-Ching Chen (Florida International University, USA)

  Title: Multimedia For Healthy Society

  Speaker: Ramesh Jain (UC Irvine, USA)
- 2020 TCMC Impact Award 11:10am - 12:10am

  Host: Mei-Ling Shyu (University of Miami, USA)

  Title: Bridging Gap between Image Pixels and Semantics via Supervision

  Speaker: C.-C. Jay Kuo (University of Southern California, USA)
- 2021 TCMC Impact Award 11:10am - 12:10pm

  Host: Chengcui Zhang (University of Alabama at Birmingham, USA)

  Title: Multimedia Computing -- A Journey of Three Decades

  Speaker: Yong Rui (Lenovo Group, China)

12:20pm - 1:00pm, Sep 9

**Sponsors Lunch Session 2:
LIFULL**

1:10pm - 2:10pm, Sep 9

Keynote 3: Exploring Visual Sentiment: From Experimental Psychology to Computational Modeling

Speaker: Mohan Kankanhalli (Singapore, School of Computing, National University of Singapore)

2:20pm - 3:20pm, Sep 9

Special Session: Multimedia for RETech 2021: Innovations of Housing and Real Estate Industries

- Constructing a Highly Accurate Price Prediction Model in Real Estate Investment using LightGBM

  Tianqi Li (DEVEL Co., Ltd.), Takuya Akiyama (DEVEL Co., Ltd.), Liang Wei (Tokyo Institute of Technology) 2:20pm - 2:32pm

- Entity Resolution of Japanese Apartment Property Information Using Neural Networks

  Youiti Kado (At Home Lab Co., Ltd., Japan), Takashi Hirokata (At Home Lab Co., Ltd., Japan), Koji Matsumura (At Home Lab Co., Ltd., Japan), Xueting Wang (The University of Tokyo, Japan), Toshihiko Yamasaki (The University of Tokyo, Japan) 2:32pm - 2:44pm

- Predicting Inquiry from Potential Renters using Property Listing Information

  Takeshi So (Daito Trust Construction Co., Ltd, Japan), Yuta Arai (Reitaku University, Japan) 2:44pm - 2:56pm

- Effect of Walkability on Rental Prices in Tokyo

  Aaron Bramson (GA Technologies, Inc., Japan; RIKEN Center for Biosystems Dynamics Research, Japan; Ghent University, Belgium), Megumi Hori (GA Technologies, Inc., Japan) 2:56pm - 3:08pm

- Preference Analysis of Shopping Malls' Followers and Keyword Recommendation on Twitter

  Mantaro Yamada (The University of Tokyo, Japan), Xueting Wang (The University of Tokyo, Japan), Toshihiko Yamasaki (The University of Tokyo, Japan) 3:08pm - 3:20pm

3:30pm - 4:50pm, Sep 9

Oral Session 3

Host: Toshihiko Yamasaki (The university of Tokyo, Japan)

- Multi-style Transfer Generative Adversarial Network for Text Images

  Honghui Yuan (The University of Electro-Communications, Japan), Keiji Yanai (The University of Electro-Communications, Japan) 3:30pm - 3:50pm

- FPX-G: First Person Exploration for Graph

  Takahiro Komamizu (Nagoya University, Japan), Shoi Ito (Nagoya University, Japan), Yasuhiro Ogawa (Nagoya University, Japan), Katsuhiko Toyama (Nagoya University, Japan) 3:50pm - 4:10pm

- Automated Video Labelling: Identifying Faces by Corroborative Evidence

  Andrew Brown (University of Oxford, UK), Ernesto Coto (University of Oxford, UK), Andrew Zisserman (University of Oxford, UK) 4:10pm - 4:30pm

- Do as We Do: Multiple Person Video-to-Video Transfer

  Mickael Cormier (Karlsruhe Institute of Technology, Germany; Fraunhofer IOSB, Germany), Houraalsadat Mortazavi Moshkenan (Karlsruhe Institute of Technology, Germany), Franz Lörch (Fraunhofer IOSB, Germany), Jürgen Metzler (Fraunhofer IOSB, Germany; Fraunhofer Center for Machine Learning), Jürgen Beyerer (Fraunhofer IOSB, Germany; Karlsruhe Institute of Technology, Germany) 4:30pm - 4:50pm

4:50pm - 5:20pm, Sep 9

Award Ceremony & Closing

Host: Jianquan Liu (NEC Corporation, Japan)

IEEE TCMC Award Ceremony

  Chengcui Zhang (The University of Alabama at Birmingham, USA)

MIPR 2021 Award Ceremony

  Toshihiko Yamasaki (The University of Tokyo, Japan, PC Co-Chair)

Introduction of MIPR2022 at San Jose

  Guan-Ming Su (Dolby Laboratories, USA, General Co-Chair of MIPR2022)

Closing message from General Co-Chairs

  Benoit Huet (Median Technologies, France)

  Jianquan Liu (NEC Corporation, Japan)

  Keiji Yanai (The University of Electro-Communications, Japan)

8:55am - 5:30pm, Sep 10

The 3rd IEEE Workshop on Artificial Intelligence for Art Creation (AIART'21)

Webpage: https://aiart2021.github.io/

- Opening Remark

  Host: Dr. Luntian Mou 8:55am - 9:00am

- Keynote 1: Stylized Cartoon and Animation

  Host: Dr. Ling Fan

  Speaker: Ying-qing Xu (Academy of Arts & Desig, Tsinghua University, China) 9:00am - 9:30am

- F1 01: AIBO - A Sicko Brainwave Opera

  Ellen Pearlman (RISEBA University/MIT) 9:30am - 9:45am

- F1 02: Layout Structure Assisted Indoor Image Generation

  Zhijie Qin (Communication University of China), Wei Zhong (Communication University of China), Fei Hu (Communication University of China), Xinyan Yang (Communication University of China), Long Ye (Communication University of China), Qin Zhang (Communication University of China) 9:45am - 10:00am

- F1 03: Violent Scene Detection of Film Videos Based on Multi-task Learning of Temporal-spatial Features

  Zhengxin Zheng (Ministry of Education), Wei Zhong (Communication University of China), Long Ye (Communication University of China), Li Fang (Communication University of China), Qin Zhang (Communication University of China) 10:00am - 10:15am

- F1 04: MUSE: Textual Attributes Guided Portrait Painting Generation

  Xiaodan Hu (University of Illinois at Urbana-Champaign), Pengfei Yu (University of Illinois at Urbana-Champaign), Kevin Knight (DiDi Labs), Heng Ji (University of Illinois at Urbana-Champaign), Bo Li (University of Illinois at Urbana-Champaign), Humphrey Shi (University of Illinois at Urbana-Champaign) 10:15am - 10:30am

- Keynote 2: Multimodal Emotion Recognition in Conversation

  Hostess: Dr. Jiaying Liu

  Speaker: Qin Jin (School of Information, Renmin University of China, China) 10:30am - 11:00am

- F2 05: Text Style Transfer With Decorative Elements

  Yuting Ma (NLPR, Institute of Automation, CAS; School of Artificial Intelligence, UCAS), Fan Tang (Jilin University), Weiming Dong (NLPR, Institute of Automation, CAS; CASIA-LLVision Joint Lab), Changsheng Xu (NLPR, Institute of Automation, CAS; CASIA-LLVision Joint Lab) 11:00am - 11:15am

- F2 06: MemoMusic: A Personalized Music Recommendation Framework Based on Emotion and Memory

  Luntian Mou (Beijing University of Technology), Jueying Li (University of California), Juehui Li (University of California), Feng Gao (Peking University), Ramesh Jain (University of California), Baocai Yin (Beijing University of Technology) 11:15am - 11:30am

- F2 07: Respective Volumetric Heatmap Autoencoder for Multi-person 3D Pose Estimation

  Minghao Wang (Communication University of China), Long Ye (Communication University of China), Fei Hu (Communication University of China), Li Fang (Communication University of China), Wei Zhong (Communication University of China), Qin Zhang (Communication University of China) 11:30am - 11:45am

- F2 08: Exploring the Application of AI-Generated Artworks for the Study of Aesthetic Processing

  Vanessa Utz (Simon Fraser University), Steve DiPaola (Simon Fraser University) 11:45am - 12:00pm

- Keynote 3: Facial Action Unit Recognition under Non-full Annotation

  Host: Dr. Wen-Huang Cheng

  Speaker: Shangfei Wang (School of Computer Science and Technology, University of Science and Technology of China, China) 12:00pm - 12:30pm

Lunch Break 12:30pm - 2:00pm

- Keynote 4: Creating Real Emotions Artificially: Music & Beyond

  Host: Dr. Luntian Mou

  Speaker: Björn W. Schuller (Artificial Intelligence and the Head of Glam - the Group on Language Audio & Music -at Imperial College London) 2:00pm - 2:30pm

- F3 09: The Brain-Machine-Ratio Model for Designer and AI Collaboratio

  Ling Fan (Tongji University), Yifang Bao (Tongji University, China), Shuyu Gong (Tongji University), Sida Yan (Tongji University), Harry Jiannan Wang (University of Delaware) 2:30pm - 2:45pm

- F3 10: Rethinking of Intangible Cultural Heritage Teaching with Creative Programming in China

  Peng Tan (Guangdong University of Technology), Yi Ji (Guangdong University of Technology), Yunqing Xu (School of Art and Design, Guangdong University of Technology) 2:45pm - 3:00pm

- F3 11: Design and Development of an Intelligent Pet-type Quadruped Robot

  Feng Gao (Peking University), Chengjia Lei (Peng Cheng Laboratory), Xingguo Long (Peng Cheng Laboratory), Jin Wang (Peng Cheng Laboratory), Peiheng Song (Qingdao New Generation Artificial Intelligence Technology Research Institute) 3:00pm - 3:15pm

- F3 12: Smart Portable Musical Simulation System Based on Unified Temperament

  Lin Gan (Tianjin University), Li Lv (Tianjin University), Cuicui Wang (Beijing Normal University), Mu Zhang (Tianjin University) 3:15pm - 3:30pm

- F3 13: Culture-inspired Multi-modal Color Palette Generation and Colorization: A Chinese Youth Subculture Case

  Yufan Li (Tongji University), Jinggang Zhuo (Tongji University), Ling Fan (Tongji University), Harry Jiannan Wang (University of Delaware) 3:30pm - 3:45pm

- Keynote 5: XAIArt: eXplainable Artificial Intelligence and the Arts

  Hostess: Dr. Zijin Li

  Speaker: Nick Bryan-Kinns (Interaction Design and Director of the EPSRC+AHRC Media and Arts Technology Centre for Doctoral Training at Queen Mary University of London) 3:45pm- 4:15pm

- F4 14: A Probabilistic and Random Method for the Generation of Bai Nationality Music Fragments

  Pengcheng Shang (China University of Geosciences), Shan. Ni (China University of Geosciences), Li. Zhou (China University of Geosciences) 4:15pm - 4:30pm

- F4 15: The JinYue Database for Huqin Music Emotion, Scene and Imagery Recognition

  Kejun Zhang (Zhejiang University, China), Xinda Wu (Zhejiang University, China), Ruiyuan Tang (Zhejiang University, China), Qiaoqiao Huang (Zhejiang University, China), Changyuan Yang (International User Experience Business Unit), Hui Zhang (Zhejiang University) 4:30pm - 4:45pm

- F4 16: Distinguishing the "strong/weak" in the 60 Jingfang Tones and Their Optimal Distribution

  Gen-fang Chen (Zhejiang Conservatory of Music) 4:45pm - 5:00pm

- F4 17: Dance to Music: Generative Choreography with Music using Mixture Density Networks

  Rongfeng Li (Beijing University of Post and Telecommunication), Meng Zhao (Beijing University of Post and Telecommunication), Xianlin Zhang (Beijing University of Post and Telecommunication), Xueming Li (Beijing University of Post and Telecommunication) 5:00pm - 5:15pm

- F4 18: Music Emotion Recognition through Sparse Canonical Correlation Analysis

  Hongwei Li (Harbin Institute of Technology), Hongjian Bo (Shenzhen Academy of Aerospace Technology), Lin Ma (Harbin Institute of Technology), Lexiang Wang (Harbin Institute of Technology), Haifeng Li (Harbin Institute of Technology) 5:15pm - 5:30pm

9:00am - 11:30am, Sep 10

Tutorial: Human-centric Media Understanding: Processing, Generation, Re-identification, and Prediction

Webpage: https://mipr2021.org/pages/tutorials/

- Opening

  Speaker: Zheng Wang(The University of Tokyo, Japan) 9:00am - 9:10am

- Image Restoration and Generation for Human Analysis

  Speaker: Jing Xiao (Wuhan University, China) 9:10am - 9:40am

- Total Generate: Guided Generative Adversarial Networks for Generating Human Faces, Hands, Bodies and Natural Scenes

  Speaker: Hao Tang (ETH Zurich, Switzerland) 9:40am - 10:10am

- Coffee Break 10:10am - 10:30am

- New Trends of Person Re-ID System

  Speaker: Zheng Wang (The University of Tokyo, Japan) 10:30am - 11:00am

- Delving into Spatio-temporal Dependencies: Agent Behavior Forecasting in a Video Sequence

  Speaker: Yuke Li (University of Carifornia, Berkeley, USA) 11:00am - 11:30am

12:10pm - 12:50pm, Sep 10

Sponsors Lunch Session 3:
NEC

1:00pm - 3:00pm, Sep 10

The Joint Workshop of the third IEEE Workshop on Fake Multimedia and first Workshop on Cross Modal Person Reidentification (Joint Workshops: FakeMM '21 & CM-PRID '21)

Webpage: http://www.cs.albany.edu/~patrey/fakemm21/

Webpage: http://mipr.iiitd.edu.in/

- Welcome Note

  Speaker: Pradeep Atrey (University at Albany, USA) 1:00pm - 1:02pm

- FakeMM 1: Detecting and Preventing Faked Mixed Reality

  Fabian Kilger (Technical University of Munich; Chair for IT Security), Alexandre Kabil (IMT Atlantique; Chair Cyber CNI), Volker Tippmann (Fraunhofer Gesellschaft; International Innovation Markets), Gudrun Klinker (Technical University of Munich; FAR Augmented Reality Research Group), Marc-Oliver Pahl (Technical University of Munich) 1:02pm - 1:22pm

- FakeMM 2: An Introduction to the JPEG Fake Media Initiative

  Frederik Temmermans (Vrije Universiteit Brussel; imec, Leuven, Belgium), Deepayan Bhowmik (University of Stirling), Fernando Pereira (Instituto Superior Técnico, Instituto de Telecomunicações), Touradj Ebrahimi (Multimedia Signal Processing Group, Ecole Polytechnique Fédérale de Lausanne (EPFL)) 1:22pm - 1:42pm

- FakeMM 3: Detection of AI-Synthesized Speech Using Cepstral& Bispectral Statistics

  Arun Kumar Singh (Indian Institute of Technology), Priyanka Singh (Dhirubhai Ambani Institute of Information and Communication Technology) 1:42pm - 2:02pm

- CM-PRID 1: Hardness Prediction for More Reliable Attribute-based Person Re-identification

  Lucas Florin (Fraunhofer IOSB), Andreas Specker (Karlsruhe Institute of Technology (KIT), Fraunhofer IOSB), Arne Schumann (Fraunhofer IOSB, Germany; Fraunhofer Center for Machine Learning), Jürgen Beyerer (Fraunhofer IOSB, Germany; Karlsruhe Institute of Technology (KIT) 2:02pm - 2:22pm

- FakeMM Panel on Future of Fake Media

  Panelists: Aviv Ovadya (Expert on the societal implications of emerging technology, Bay Area, USA), Kai Shu (Illinois Institute of Technology, USA), Touradj Ebrahimi (EPFL, Switzerland) 2:22pm - 3:00pm

3:10pm - 5:10pm, Sep 10

Tutorial: A Master's Toolbox and Algorithms for Low-latency Live Streaming
Speaker: Ali C. Begen (Ozyegin University, Turkey)