MAPR 2020 Conference Agenda

October 8th, 2020 Place: Seminar room, 9th floor, B1 Building, Hanoi University of Science and Technology	
08:30am-09:00am	**Registration**
09:00am-09:15am	**Opening and Welcome Addresses** *Welcome speech,* Prof. Quyet-Thang Huynh, General Co-Chair *Conference summary*, Prof. Duc-Dung Nguyen, PC Co-Chair
09:15am-10:00am	**Keynote 1:** *Video-based Gait Analysis and Its Applications (online)* **Speaker: Prof. Yasushi Makihara,** Osaka University, Japan **Chair:** *Prof. Dinh-Duy Le, Uni. of Information Technology, Vietnam*
10:00am-10:45am	**Session 1: Multimedia Analysis 1** (3) **Chair**: *Prof. Duc-Thanh Ngo, Uni. of Information Technology, Vietnam* **Dat Nguyen Thanh, Anh Nguyen Dang Tuan** and **Sang Dinh**, "PCA-based 3D Facial Reenactment From Single Image" **Sy Tuyen Ho, Vinh-Tiep Nguyen** and **Thanh Duc Ngo**, "Interpolation based Anime Face Style Transfer" **Trung Dung Do, Quoc Khanh Nguyen** and **Viet Hung Nguyen**, "A multi-scale context encoder for high quality restoration of facial images".
10:45am-11:15am	**Coffee Break (Poster session)**
11:15am-12:15pm	**Session 2: Multimedia Analysis 2** (4) **Chair**: *Prof. Trung-Kien Dao, HUST, Vietnam* **Ha Nguyen Tien** and **Thanh Ha Do**, "Generating Vietnamese Language Caption Automatically for Scene Images" **Huy Tran Quang, Van Tu Duong, Luong Quang Hai** and **Tan Tran-Duc**, "Image Reconstruction Utilizing Algebraic Helmoltz Inversion and Passband Filtering Applied to Viscoelasticity". **Pham Quang Huy** and **Dao Nam Anh**, "Structuring Element for Secure Reversible Watermarking" **Vu Duy Hai, Quang Dan Chu** and **Phan Dang Hung**, "Specifying respiratory noises in the ICG signal to measure hemodynamic parameters".
12:15pm-02:00pm	**Lunch**

02:00pm-03:15pm	**Session 3: Pattern Recognition** (5) **Chair:** *Prof. Khoat Than, Hanoi University of Science and Technology, Vietnam* **Viet-Toan Truong, Jhih-Siang Lao** and **Ching-Chun Huang**, "Multi-camera Marker-based Real-time Head Pose Estimation System" **Thi Thanh-Nhan Nguyen, Thi-Lan Le** and **Hai Vu**, "Do we need multiple organs for plant identification?" **Van Kien Ha, Xuan Huy Manh, Viet Hang Dao, Phuc Binh Nguyen, Bao Long Hoang, Hai Vu**, "Cleaning assessment in endoscopic esophageal images using U-Net and a classification model" **Van-Tien Pham, Thi Lan Le, Thanh Hai Tran** and **Thanh Phuong Nguyen**, "Hand detection and segmentation using multimodal information from Kinect" **Kim-Ngan Nguyen and Thanh-Ha Do**, "Extracting Handwritten Regions in Japanese Document Images"
03:15pm-03:45pm	**Coffee Break**
03:45pm-05:00pm	**Session 4: Video Processing and Recognition** (5) **Chair**: *Prof. Thi-Thuy Nguyen, VNUA, Vietnam* **Thuy-Binh Nguyen, Trong-Nghia Nguyen, Hong-Quan Nguyen, Thi-Lan Le** and **Thi Thanh Thuy Pham**, "How feature fusion can help to improve multi-shot person re-identification performance?" **Sang Tran, Oanh Nguyen** and **Thai Ha**, "A camera-based solution for customer behavior identification" **Hung-Quoc Vo, Dung-Minh Nguyen, Tien Do, Vinh-Tiep Nguyen, Vu-Minh-Hieu Dang, Nhat-Duy Nguyen, Thanh Duc Ngo, Duy-Dinh Le** and **Shin'ichi Satoh**, "Searching For Desired Person Doing Desired Action based on Visual and Audio Feature in Large Scale Video Database" **Dinh-Tan Pham, Tien-Nam Nguyen, Thi-Lan Le** and **Hai Vu**, "Spatio-Temporal Representation for Skeleton-based Human Action Recognition" **Hai-Hong Phan** and **Chi Trung Ha**, "Improving the efficiency of human action recognition using deep compression"
05:00pm-05:30pm	**Moving to the Banquet**
06:00pm-09:00pm	**Evening Reception**

October 9th, 2020 Place: Seminar room, 9th floor, B1 Building, Hanoi University of Science and Technology	
09:00am-09:30am	**Keynote 2:** *Physical Security in Very Complex Environments: the H2020 MONICA project (video)* Speaker: **Prof. Professor Paolo Remagnino**, Kingston University, United Kingdom **Chair:** *Prof. Hai Vu, HUST, Vietnam*
09:30am-10:30am	**Session 5: Machine Learning** (4) **Chair:** *Prof. Cuong Pham, PTIT, Vietnam* **Thi Thu Hong Phan,** "Machine Learning for Univariate Time Series Imputation" **Tuan Phan, Cuong Pham** and **Hoai Nam Vu**, "Multi-task Learning based Voice Verification With Triplet loss" **Hoa Nguyen, Minh Nguyen, Quan Nguyen, Shu Yang** and **Huy Le**, "Web-based object detection and sound feedback system for visually impaired people" **Ha Van Phuong, Pham Thi Ngoc Yen, Le Minh Hoang, Dao Trung Kien, Nguyen Viet Tung** and **Nguyen Thanh Huong**, "Design and Implementation of an Energy Simulation Platform for Wireless Sensor Networks".
10:30am-11:00am	**Coffee Break**
11:00am-12:15am	**Session 6: Deep Learning** (5) **Chair:** *Prof. Chi-Mai Luong, VAST, Vietnam* **Chung Tran Quang, Huyen Cao Hoang** and **Sang Dinh Viet**, "A Novel Generative Model to Synthesize Face Images for Pose-invariant Face Recognition". **Huy Le, Minh Nguyen, Quan Nguyen, Hoa Nguyen** and **Wei Qi Yan**, "Automatic Data Generation for Deep Learning Model Training of Image Classification used for Augmented Reality on Pre-school Books" **Duy Nguyen Nhat, Thua Nguyen** and **Tien Do**, "U15-Logos: Unconstrained Logo Dataset with Evaluation by Deep learning Methods" **Triet Quang Duong, Nguyen Thanh Vu, Tuan Dinh Le, Anh Thi Dieu Nguyen** and **Hai Tan Minh Luong**, "Evaluation of Deep Learning based Methods for plant disease identification" **Tri Cong Pham, Van Dung Hoang, Cong Thanh Tran, Minh Sao Khue Luu, Duy Anh Mai**, **Antoine Doucet** and **Chi Mai Luong**, "Improving binary skin cancer classification based on best model selection method combined with optimizing full connected layers of Deep CNN"
12:15am-12:30pm	**Best Paper Awards and Closing Ceremonies** *Chair: Prof. Duc-Dung Nguyen, VAST, Vietnam*
12:30pm-02:00pm	**Lunch**