

Online Workshop Program
December 13 – December 15, 2020
OnLine run in University of Ulsan, Korea (Time zone UTC+9)

UTC +9 Korea	Sunday, 13rd December 2020
09:00 – 10:00	<p>Opening Ceremony Chair: Prof. Kang-Hyun Jo Room: ZOOM Platform</p>
<p>Oral Session SA Intelligent systems for industry, health and agriculture</p> <p>Chair: Prof. Kang-Hyun Jo <i>University of Ulsan, Korea</i> Co-chair: Dr. Wahyono <i>Universitas Gadjah Mada, Indonesia</i></p>	
10:00 – 12:00	<p>SA1: Plant Disease Detection by Leaf Image Classification using Ensemble Learning (ID: 6) <i>Syed Md. Minhaz Hossain, Kaushik Deb and Kang-Hyun Jo</i></p> <p>SA2: Experience Modeling for Candy Crush Game Player using Physiological Data by means of Homogeneous Transfer Learning (ID: 7) <i>Sehar Shahzad Farooq, Mustansar Fiaz, Kyung Joong Kim and Soon Ki Jung</i></p> <p>SA3: The High-efficiency AI System for Defect Detection in Industrial Environments (ID: 14) <i>Tiancheng Liu, Fan Zhu, Haoran Yu and Haisong Gu</i></p> <p>SA4: Occlusion Assistant Unit for Convolution Neural Network in Occluded Object Classification (ID: 30) <i>Qing Tang, Youlkyeong Lee and Kang-Hyun Jo</i></p> <p>SA5: Alzheimer’s Disease Anomaly Detection in PET/CT Brain Images with an Adversarial Deep Learning Model (ID: 31) <i>Husnu Baris Baydargil, Jangsik Park and Do-Young Kang</i></p> <p>SA6: Prediction of algal bloom in Nakdong river, Korea using LSTM (ID: 32) <i>Jae-Yeon Bae, Yubin Kim, Si-Hyeong Park, Janghyun Ju and Hyun-Deok Kang</i></p>
12:00 – 14:00	Lunch

UTC +9
Korea

Sunday, 13rd December 2020

Oral Session SB
Computer vision for intelligent systems

Chair: Prof. Yoshinori Kuno

Saitama University, Japan

Joseph Ng

Institute of Computer Science & Digital Innovation UCSI University, Malaysia

Session room: ZOOM Platform

14:00 – 16:20

SB1: Towards an Environment Approach to Determine the Ant Colony Termination Criterion (ID: 8)

Pierre Romet, Franck Gechter and El-Hassane Aglzim

SB2: Simple Deep Neural Network for Full 3D Facial Landmarks Estimation (ID: 10)

Van-Thanh Hoang and Kang-Hyun Jo

SB3: Aggregated Contextual Information by Channel Attention and Spatial Attention for Object Detection (ID: 13)

Xuan-Thuy Vo, Tien-Dat Tran and Kang-Hyun Jo

SB4: Proposed Light-weight Convolutional Neural Networks for Real-time Hand Gesture Detector (ID: 16)

Duy-Linh Nguyen, Muhamad Dwisnanto Putro and Kang-Hyun Jo

SB5: Grid Come Back for Medium Size Enterprise (ID: 23)

JosephNg P.S. and Eaw H.S.

SB6: Extrinsic Calibration of Multiple 2D LiDARs Using a Cylinder (ID: 29)

Huu Toan Duong and Young Soo Suh

SB7: Quran Recitation Style Classification using Convolutional Neural Network and MFCC Features (ID: 33)

Muhammad Ardi Putra and Wahyono Wahyono

UTC +9 Korea	Monday, 14 th December 2020
<p style="text-align: center;">Oral Session MA Intelligent autonomous systems</p> <p style="text-align: center;">Chair: Prof. Nobutaka Shimada <i>Ritsumeikan University, Japan</i> Co-chair: Prof. Jinhua She <i>Tokyo University of Technology, Japan</i> Session room: ZOOM Platform</p>	
10:00 – 12:00	<p>MA1: Connected and Autonomous Vehicle cooperates with pedestrians to improve traffic safety and efficiency (ID: 5) <i>Meng Zhang, Abdeljalil Abbas-Turki, Alexandre Lombard, Abderrafiaa Koukam and Kang-Hyun Jo</i></p> <p>MA2: Safe and optimal Intersection of Autonomous and Connected Robots (ID: 12) <i>Wendan Du, Abdeljalil Abbas-Turki, Alexandre Lombard, Abderrafiaa Koukam and Franck Gechter</i></p> <p>MA3: Analysis of Various Point Clouds Feature Encoders for Two-Sensor-based 3D Object Detection (ID: 18) <i>Lihua Wen and Kang-Hyun Jo</i></p> <p>MA4: Simple Adaptive Fine-tuning for Up-sampling in Human Pose Estimation (ID: 20) <i>Tien-Dat Tran, Xuan-Thuy Vo, Mohammad Ashraf Russo and Kang-Hyun Jo</i></p> <p>MA5: Improving Disturbance-Rejection Performance Based on Combination of Equivalent-Input-Disturbance Approach and Proportional-Integral Observer (ID: 24) <i>Zewen Wang, Jinhua She, Zhentao Liu, Wangyong He and Chuanke Zhang</i></p> <p>MA6: Research on the construction of intelligent air cargo terminal based on AI & IoT (ID: 27) <i>Yunchun Cao, Junhong Zhu and Aihua Fan</i></p>
12:00 – 14:00	Lunch

<p>UTC +9 Korea</p>	<p>Monday, 14th December 2020</p>
<p style="text-align: center;">Oral Session MB Deep learning for Human based applications</p> <p style="text-align: center;">Chair: Prof. Youngsoo Suh <i>University of Ulsan, Korea</i> Co-chair: Prof. Yihsin Ho <i>Takushoku University, Japan</i> Session room: ZOOM Platform</p>	
<p>14:00 – 16:00</p>	<p>MB1: Application for Extending and Deepen Reading Contents of Books using Hand Gesture (ID: 11) <i>Han Xue and Yihsin Ho</i></p> <p>MB2: Dilated Spatial Features based Intrusion Detection for Color and IR Camera (ID: 17) <i>Ajmal Shahbaz and Kang-Hyun Jo</i></p> <p>MB3: SGCNet: Spatial-Global Context Attention Network for Real-time Facial Expression Recognition (ID: 19) <i>Muhamad Dwisnanto Putro, Duy-Linh Nguyen and Kang-Hyun Jo</i></p> <p>MB4: Deep Learning based Optical Flow Features for Human Action Recognition (ID: 22) <i>Mohammad Ashraf Russo, Tien-Dat Tran and Kang-Hyun Jo</i></p> <p>MB5: Spatial and Channel-wise Attention in Generative Adversarial Networks for Text to Face Synthesis (ID: 25) <i>Yutong Zhou and Nobutaka Shimada</i></p> <p>MB6: Growing Rod System Adapted to High Frequency Ultrasonic Vibration (ID: 26) <i>Koji Makino, Naofumi Taniguchi, Yudai Kitano, Tetsuro Ohba, Takaaki Ishii, Kento Ota, Masaki Miyashita, Hirotaka Haro and Hidetsugu Terada</i></p>
<p>16:00 – 18:00</p>	<p style="text-align: center;">Banquet</p>