	Oral Session 1 (Recognition A)	Feb. 20th, 2023 09:00 ~ 10:40	Session Chairs	Dr. Kanghyun Jo, Dr. Go Irie
O1-1	Hierarchical Image Classification with Conceptual Hierarchies Generated via Lexical Databases		Tomoaki Yamazaki, Seiya Ito and Kouzou Ohara	
O1-2	Action Recognition for Each Person with Feature Extraction by Large-scale Object Detector		Akira Mitsuoka and Kunihito Kato	
O1-3	Structural Point Cloud Data Recovery to Learning 3D Feature Representation		Ryosuke Yamada, Ryu Tadokoro, Yue Qiu, Hirokatsu Kataoka and Yutaka Satoh	
O1-4	Point Cloud Based Deep Molecular Pose Estimation for Structure-Based Virtual Screening		Ken Kariya, Go Irie, Ryosuke Furuta, Yota Yamamoto, Shin Aoki and Yukinobu Taniguchi	
O1-5	*Efficient Multi-Receptive Pooling for Object Detection on Drone*		Jinsu An, Dwisnanto Muhamad Putro, Adri Priadana and Kanghyun Jo.	
	Oral Session 2 (Image Analysis)	**Feb. 20th, 2023 14:30 ~ 16:10**	**Session Chairs**	**Dr. Hae-Gon Jeon, Dr. Yuji Pyamada**
O2-1	Robust Scene Text Detection under Occlusion via Multi-Scale Adaptive Deep Network		My-Tham Dinh, Minh-Trieu Tran,	

			Quang-Vinh Dang and Guee-Sang Lee
O2-2	Detection and Tracking of Flying Small Bats under Complex Backgrounds		Kakeru Sugimoto, Kazusa Ushio, Ryota Sugimori, Emyo Fujioka, Hiroaki Kawashima, Shizuko Hiryu and Hitoshi Habe
O2-3	Facial Depth and Normal Estimation using Single Dual-Pixel Camera		Minjun Kang, Jaesung Choe, Hyowon Ha, Hae-Gon Jeon, Sunghoon Im, In So Kweon and Kuk-Jin Yoon
O2-4	Generative Bias for Robust Visual Question Answering		Jae Won Cho, Dong-Jin Kim, Hyeonggon Ryu and In So Kweon
O2-5	*DDConv: Dilated Depthwise Convolution with YOLOv5 for Drone Imagery*		Jehwan Choi, Minseung Kim, Donggue Kim and Kang-Hyun Jo
	Oral Session 3 (Image Fundamental)	**Feb. 20th, 2023 16:30 ~ 18:10**	**Session Chairs** **Dr. Dong-Geol Choi, Dr. Hiroaki aizawa**
O3-1	DASO: Distribution-Aware Semantics-Oriented Pseudo-label for Imbalanced Semi-Supervised Learning		Youngtaek Oh, Dong-Jin Kim and In So Kweon

O3-2	Improvement of Robustness to Noise for Medical Image Segmentation by using Self-Supervised Learning Approach		Yuta Konishi and Takio Kurita
O3-3	Bidirectional Domain Mixup for Domain Adaptive Semantic Segmentation		Minseok Seo, Yuhyun Kim and Dong-Geol Choi
O3-4	LabOR: Labeling Only if Required for Domain Adaptive Semantic Segmentation		Inkyu Shin, Dong-Jin Kim, Jae Won Cho, Sanghyun Woo, Kwanyong Park and In So Kweon
O3-5	Attribute Auxiliary Clustering for Person Re-identification		Ge Cao and Kanghyun Jo
	Poster Session 1 **Feb. 20th, 2023 12:20~14:30**		**Session Chairs** **Dr. Choonsung Shin, Dr. Yota Yamamoto**
P1-1	Format-Compatible 3D Metahuman Modeling from a Single Image		So Jin Yun, Soyoung Yoon and In Kyu Park
P1-2	YOLO5PKLot: A Parking Lot Detection Network Based on Improved YOLOv5 for Smart Parking Management System		Duy-Linh Nguyen, Xuan-Thuy Vo, Adri Priadana and Kang-Hyun Jo
P1-3	Texture Synthesis Based on Aesthetic Texture Perception Using CNN Style and Content Features		Yukine Sugiyama, Natsuki Sunda,

			Kensuke Tobitani and Noriko Nagata	
P1-4	*Emotion Recognition by using optimised deep features*		Irfan Haider, Soo-Hyung Kim, Hyung-Jeong Yang and Guee-Sang Lee.	
P1-5	Monitoring Students' Classroom Attention on Digital Platform		Hirotoshi Ibe and Hiromasa Nakatani	
P1-6	Patent Image Retrieval Using Cross-entropy-based Metric Learning		Kotaro Higuchi, Yuma Honbu and Keiji Yanai	
P1-7	Pre-training of Pneumonia Classifier for Chest CT images using Fractal Database		Yuken Yoshioka, Daichi Ikefuji, Tomokazu Funatsu, Takashi Nagaoka, Takenori Kozuka, Mitsutaka Nemoto, Takahiro Yamada, Yuichi Kimura, Kazunari Ishii and Hitoshi Habe	
P1-8	Advanced Video Inpainting method using Residual Query Connection		Youngjun La and Jong-Il Park	
P1-9	Utilization of Temporal Detection Consistency for Improving the Multi-Object Tracking		Abhyudaya Singh Tak and Soon Ki Jung	

P1-10	A Study on Tracking Moving Objects: Pig counting with YOLOv5 and StrongSORT		Seunggwan Lee, Wonhaeng Lee and Junghoon Park	
P1-11	BRDF Measurement with TDCRA		Atsushi Kimura, Ryo Kawahara and Takahiro Okabe	
P1-12	Multi-scale Recurrent Residual U-Net for Anomaly Segmentation in Industrial Images		Haoyu Chen, Shivani Kolekar and Kyungbaek Kim	
P1-13	LHFAN: Scene Text Recognition Method Based on Multi-level Feature Fusion and Enhancement of Semantic Knowledge		Ruturaj Mahadshetti, Guee-Sang Lee, Hyung-Jeong Yang and Soo-Hyung Kim	
P1-14	Preliminary Study on Fish Tracking in Indoor Aquaculture through Deep Learning		Nguyen Ngoc Huynh, Hieyong Jeong, Myoungjae Jun, Hang Thi Phuong Nguyen and Choonsung Shin	
P1-15	Front Cover Image Database of Japanese Manga and Typeface Estimation of their Title		Shota Ishiyama, Kosuke Sakai and Minoru Mori	
P1-16	*Robotics Education under Pandemic Lockdown Situation.*		Danilo Caceres-Hernandez, Vicente González-Diaz, Kelvin Kung-Gomez and	

			Kang-Hyun Jo.
P1-17	Lane Detection using Canny Edge Detection Algorithm for Real-time Racing Game		Sehar Shahzad Farooq, Hameedur Rahman, Samiya Abdul Wahid, Iftikhar Ahmad, Jin Ho Lee and Soon Ki Jung
P1-18	*Influence Analysis of Each Facial Region on Facial Expressions Recognition*		Min Sol Park and In Seop Na
	Oral Session 4 (Recognition B) **Feb. 21st, 2023 09:00 ~ 11:00**		**Session Chairs** **Dr. Inseop Na, Dr. Hitoshi Habe**
O4-1	UDA-COPE: Unsupervised Domain Adaptation for Category-level Object Pose Estimation		Taeyeop Lee, Byeong-Uk Lee, Inkyu Shin, Jaesung Choe, Ukcheol Shin, In So Kweon and Kuk-Jin Yoon
O4-2	Dynamic Circular Convolution for Image Classification		Xuan-Thuy Vo, Duy-Linh Nguyen, Adri Priadana and Kang-Hyun Jo
O4-3	Task-specific Scene Structure Representations		Seunghyun Shin, Jisu Shin and Hae-Gon Jeon
O4-4	Learning Depth from Focus in the Wild		

			Changyeon Won and Hae-Gon Jeon
O4-5	Human Face Detector with Gender Identification by Split-based Inception Block and Regulated Attention Module		Adri Priadana, Muhamad Dwisnanto Putro, Duy-Linh Nguyen, Xuan-Thuy Vo and Kang-Hyun Jo
O4-6	*Novel Surveillance System for Suspicious Activities Analysis using Deep Learning*		Bhavana Kaushik.
	Oral Session 5 (Application A)	**Feb. 21st, 2023 14:30 ~ 16:30**	**Session Chairs** **Dr. Soon Ki Jung, Dr. Bhavana Kaushik**
O5-1	3D structure extraction and evaluation of microvessels in cardiac tissue imaged by confocal microscopy		Shotaro Kaneko, Yuichiro Arima, Masahiro Migita and Masashi Toda
O5-2	Multi-Attributed Face Synthesis for One-Shot Deep Face Recognition		Muhammad Shaheryar, Lamyanba Laishram, Jong Taek Lee and Soon Ki Jung
O5-3	Parallax-based Imitation Learning with Human Intervention for Uncertain Insertion Tasks		Yasuharu Niwa, Kunihito Kato, Hiroaki Aizawa, Yoshiyuki Hatta and Kazuaki Ito
O5-4	A Style-based Caricature Generator		

			Lamyanba Laishram, Muhammad Shaheryar, Jong Taek Lee and Soon Ki Jung
O5-5	Detecting Mounting Behaviors of Dairy Cows by Pre-Training with Pseudo Images		Yuta Okuda, Yota Yamamoto, Kazuaki Nakamura and Yukinobu Taniguchi
O5-6	Classification of Lung and Colon Cancer Using Deep Learning Method		Md. Al-Mamun Provath, Kaushik Deb and Kang-Hyun Jo
	Oral Session 6 (Applications B)	**Feb. 21st, 2023 16:45~18:05**	**Session Chairs** **Dr. Jongil Park, Dr. Kazuhiko Sumi**
O6-1	Reproduction of Artwork on Display using Hyperspectral Imaging and Monitor Calibration		Kyudong Sim and Jong-Il Park
O6-2	Game Engine Compatible 3D Clothes Modeling from a Single Image		Soyoung Yoon, So Jin Yun and In Kyu Park
O6-3	Event-Based Reflectance Separation		Ryota Kunimasu, Ryo Kawahara and Takahiro Okabe
O6-4	A Set of Control Points Conditioned Pedestrian Trajectory Prediction		Inhwan Bae and Hae-Gon Jeon

	Poster Session 2		**Feb. 21st, 2023 12:20~14:30**			**Session Chairs**	**Dr. Jeong Hieyong, Dr.**	
P2-1	Diffuse Large B-cell Lymphoma Survival Prediction using Encoding Clinical Features					Sy-Phuc Pham, Sae-Ryung Kang, Hyung-Jeong Yang, Deok-Hwan Yang, Sudarshan Pant, Soo-Hyung Kim and Guee-Sang Lee		
P2-2	Robust Data Augmentation for Accurate Human Pose Estimator					Tien Dat Tran, Xuan Thuy Vo, Adri Priadana and Kang-Hyun Jo		
P2-3	Multi-task model for glioma segmentation and isocitrate dehydrogenase status prediction using segmentation boundary					Xiaoyu Shi, Yinhao Li, Jingliang Cheng, Jie Bai, Guohua Zhao and Yen-Wei Chen		
P2-4	Impression Estimation of Suit Patterns Based on Style Features Using Multi-scale CNN					Eiki Tsumura, Kesnke Tobitani, Miyuki Toga and Noriko Nagata		
P2-5	A multi-layered structure of Pretrained Convolutional Neural Network for weed classification					Gwang-Hyun Yu, Dang Thanh Vu, Jeong Jaecheol, Chilwoo Lee and Jinyoung Kim		
P2-6	Two-stream Network for Moving Object Detection					Wisan Dhammatorn, Naoshi Kaneko, Seiya		

			Ito and Kazuhiko Sumi	
P2-7	Multimodal Transformer for Automatic Depression Estimation System		Dang-Khanh Nguyen, Hyung-Jeong Yang, Seung-Won Kim, Guee-Sang Lee, Soo-Hyung Kim, Joo-Wan Kim and Min Jhon	
P2-8	Motion synthesis for automatic animation of sign language		Jongho Jeong, Chilwoo Lee, HeeJae Hwang and Hongnyeom Sung	
P2-9	Cattle Action Recognition with Multi-Viewpoint Cameras based on Deep Learning		Muhammad Fahad Nasir, Alvaro Fuentes, Shujie Han, Sook Yoon and Dong Sun Park	
P2-10	Convolutional Neural Networks with Particle Swarm Optimization: A Reliable Method for SARS-CoV-2 Detection in X-Ray Images		Atif Ali	
P2-11	Multi-region based radial GCN algorithm for real-time action recognition		Hanbyul Jang and Chil-Woo Lee	
P2-12	Advanced Machine Learning Techniques To Identify Emotions In Texts		Atif Ali	
P2-13	Object pose estimation based on Template-matching using			

	attention module and residual block		Ga Eun Noh and Jong-Il Park	
P2-14	COVID -19 detection based on CT Scan images using Deep Learning methods		Tuan Le Dinh, Kim Jae-Huyn, Lee Suk-Hwan and Kwon Ki-Ryong	
P2-15	Enhanced Marathi Speech Recognition Using Double Delta MFCC and DTW		Rajashri G Kanke and Manasi R Baheti	
P2-16	Change Detection Over Multispectral Images: A Case Study On RUSHIKONDA		Fyzulla Shaik, Pavan Kumar Chitturi S, Pavan Veera Nagendra Kumar Chintakayala and Surya Prakash Punukollu	
P2-17	Gaussian Process based Illumination Planning for Photometric Stereo		Yuji Oyamada	
P2-18	Data Generation and Deep Learning network for Micro Defect Detection		Byungjoon Kim and Yongduek Seo	
P2-19	Classifying Breast Cancer Using Deep Convolutional Neural Network Method		Musfequa Rahman, Kaushik Deb and Kang-Hyun Jo	
P2-20	Rough Target Region Extraction with Background Learning		Ryo Nakamura, Yoshiaki	

			Ueda, Masaru Tanaka and Jun Fujiki	