

Oral Session 1 (February 21, 10:00-11:00)

O1-1	Zero-shot learning using dictionary definitions Tristan Hascoet, Yasuo Arika and Tetsuya Takiguchi
O1-2	Weighted Generalized Hough Transform by Using Partial Least Squares Regression Analysis Jumpei Inukai, Kunihito Kato, David Harwood and Larry S. Davis
O1-3	Undetected Human-Joints Estimation Using Multilayer Perceptron Masaki Nakashima, Toshiki Kikuchi, Yuko Ozasa and Hideo Saito
O1-4	Disparity Computation of Arbitrary Plane Patch Using Normal Vector and Color Gradient Youlkyeong Lee and Kang-Hyun Jo

Oral Session 2 (February 21, 11:15-12:15)

O2-1	Multi-label Image Annotation via CNN with Graph Laplacian Regularization based on Word2Vec Zhao Yu, Miyao Junichi and Kurita Takio
O2-2	Deep Convolutional 3D Object Classification from a Single Depth Image and Its Normal Map Yuji Oyamada, Tomotaka Ohnishi, Kazu Mishiba and Katsuya Kondo
O2-3	Measuring Categorical Similarity with GAN Luke Lee and Wonjun Hwang
O2-4	Face Recognition with Deep Residual Faster R-CNN Assylbek Razakhbergenov and Tomoko Ozeki

Oral Session 3 (February 21, 13:30-15:15)

O3-1	Guideline for Certification of Image Attribute Structuring Technology for Vehicle Accident Prevention Weon Geun Oh, Seung Jae Lee and Hiromi Tanaka
O3-2	A Development of Augmented Reality System at Oka Castle Ruins Takeda City, Oita Prefecture Hidehiro Ohki, Takuya Shibuya, Takeru Shinozaki, Keiji Gyohten and Toshiya Takami
O3-3	Face identification based on randomly sampled minute feature points Kazuki Takasaka and Kazuhiro Fukui
O3-4	Fashion Style Transfer: Stylizing Person in Clothes Toshiki Kikuchi and Yuko Ozasa
O3-5	Suitable image pairs for feature-based image stitching You-Jin Ha, Si-Hyeong Park and Hyun-Deok Kang
O3-6	Scene Classification based on Histogram of Detected Objects Siyi Shuai, Junichi Miyao and Takio Kurita
O3-7	Grasping Pattern Estimation Based on Co-occurrence of Object and Hand Shape Takuya Kawakami, Tadashi Matsuo, Yoko Ogawa and Nobutaka Shimada

Poster & Demo Session 1 (February 21, 15:15-16:45)

P1-1	Semantic segmentation of trajectories with agent models Daisuke Ogawa, Toru Tamaki, Bisser Raytchev and Kazufumi Kaneda
P1-2	Apparel Area Detection and Classification System Jong Gook Ko, Da-Un Jung and Seungjae Lee
P1-3	ROI Segmentation on Chest X-Rays with Fully Convolutional Network Dong Yul Oh and Il Dong Yun
P1-4	CNN-based Algorithm for pixel-wise semantic segmentation and Depth estimation Seonkuk Kim and Chilwoo Lee
P1-5	Defect Isolation with Hypothesis Generation and Verification Framework Minsu Kim, Moonsoo Ra, Seunghyun Kim and Whoi-Yul Kim
P1-6	The Development of Skeleton Based Human Action Recognition Application Sang-Baek Lee and Jae-Ho Lee
P1-7	Automatic Detection of Octopus with Inter-frame Difference Method from the Camera Image Attached to the Fishing Gear Hayato Ishikawa and Takeshi Nagasaki
P1-8	Construction of Object Recognition Method in All Directions of Air Kouki Fukui and Jun'ichi Yamaguchi
P1-9	Collaborative Augmented Reality Based on Deformation of Real Object Jungsik Park and Jong-Il Park
P1-10	Method of Estimating Fish Type in Set Net from Acoustic Data Satoshi Morohara and Takeshi Nagasaki
P1-11	Removal of Unimportant Pixels for Classification with Deep Convolutional Neural Network Sayo Sushida, Junichi Miyao and Takio Kurita
D1-1	Vanishing-Guided Lane and Road Marking Detection via Multi-Task Network Seokju Lee, Junsik Kim, Jae Shin Yoon, Seunghak Shin and In So Kweon
D1-2	Thermal Image Enhancement using Convolutional Neural Network Yukyung Choi, Namil Kim, Soonmin Hwang, Jongchan Park and In So Kweon
D1-3	Human body and facial parts segmentation using Encoder-Multiple Decoders CNN Hiroaki Aizawa and Kunihiro Kato

Oral Session 4 (February 22, 9:45-11:00)

O4-1	A Method of Generation of Normal Model and Discrimination of Defects by Adversarial AutoEncoder under Small Number of Defective Samples Shunsuke Nakatsuka, Hiroaki Aizawa and Kunihiro Kato
O4-2	A Study on CGH Generation in Grid Computing Environment Changseob Kim, Hanhoon Park and Jong-Il Park
O4-3	Hyperspectral imaging for measuring vegetation indices Makoto Ohsaki, Hajime Nagahara and Rin-Ichiro Taniguchi
O4-4	Person Re-identification by Deep Part Learning Hilal Ozdemir Pehlivan, Yuko Ozasa, Hideo Saito and Lale Akarun
O4-5	A Preliminary Study on Optimizing Person Re-identification using the Stable Marriage Algorithm Nik Mohd Zarif Hashim, Yasutomo Kawanishi, Daisuke Deguchi, Ichiro Ide and Hiroshi Murase

Oral Session 5 (February 22, 11:15-12:15)

O5-1	How does CNN grasp transparent object features? Roland Sireyjol, Atsushi Shimada, Tsubasa Minematsu, Hajime Nagahara and Rin-Ichiro Taniguchi
O5-2	Human Fall Recognition using Spatiotemporal 3D CNN Sowmya Kasturi and Kanh-Hyun Jo
O5-3	Classification of Potsherds into Each Earthenware Using 3D Object Retrieval Kazumasa Oniki, Yuko Ozasa, Hideo Saito and Ryo Hachiuma
O5-4	Lesion image synthesis using DCGANs for metastatic liver cancer detection Takaaki Konishi, Keisuke Doman, Shigeru Nawano and Yoshito Mekada

Oral Session 6 (February 22, 13:30-15:00)

O6-1	Towards Taking Pulses Over YouTube to Determine Interest in Video Content Antony Lam, Kouyou Otsu, Keya Das and Yoshinori Kuno
O6-2	A Machine Fault Assessment System using a Sound-to-Image Conversion Feature Representation Caleb Vununu, Kyeong-Min Lee, Ha-Joo Song, Eung Joo Lee, Kwang-Seok Moon, Suk-Hwan Lee and Ki-Ryong Kwon
O6-3	Action Recognition Using RGB-D Video by Pre-trained CNN Itsuki Baba and Tomoko Ozeki
O6-4	Visualization of spatial distribution of tomato yields based on action recognition Yoshiki Hashimoto, Daisaku Arita, Atsushi Shimada, Hideaki Uchiyama and Rin-Ichiro Taniguchi
O6-5	Fast Temporal Anti-jitter Correction Algorithm for Real-time Video Stitching Si-Hyeong Park, You-Jin Ha and Hyun-Deok Kang
O6-6	Evaluation of residual network based tampering video identification system with optical correlator Ren Usami, Hidenori Suzuki, Kanami Ikeda and Eriko Watanabe

Poster & Demo Session 2 (February 22, 15:00-16:30)

P2-1	Age Estimation from Dual-Task Behavior for Comprehensive Growth Assessment of Children Chengju Zhou, Ikuhisa Mitsugami, Kota Aoki, Fumio Okura and Yasushi Yagi
P2-2	Supporting Interrupted Reading by Using E-Reader Kenshiro Saito, Toshio Kawashima and Jumpei Kobayashi
P2-3	Fault Detection for Tool Wear in Machining Processes using Neural Network Kyeong-Min Lee, Caleb Vununu, Suk-Hwan Lee and Ki-Ryong Kwon
P2-4	Principal Component Analysis for Acceleration of Color Guided Image Filtering Yoshiki Murooka, Yoshihiro Maeda, Masahiro Nakamura, Tomohiro Sasaki and Norishige Fukushima
P2-5	Baseball detection method robust to occlusion in hitting area based on high speed camera Joongsik Kim and Whoi-Yul Kim
P2-6	Animal Detection in Huge Air-view Images using CNN-based Sliding Window Young-Chul Yoon and Kuk-Jin Yoon
P2-7	Estimation of Object Functions Using Visual Attention Ryunosuke Azuma, Tetsuya Takiguchi and Yasuo Ariki
P2-8	Sperm detection using ViBe algorithm for an automated smartphone-based semen analyzer Daegwan Kim, Ji Hyoung Roh, Ji Hoon Kim and Jong Kil Bae
P2-9	Stability of Recursive Gaussian Filtering for Piecewise Linear Bilateral Filtering Koichiro Watanabe, Yoshihiro Maeda and Norishige Fukushima
P2-10	Satellite Image Semantic Segmentation using Fully Convolutional Network Atsushi Yoshihara, Tristan Hascoet, Tetsuya Takiguchi and Yasuo Ariki
D2-1	An Automatic Stent Detection Method in Intravascular OCT Images Based on Seed Points Xinbo Ren, Qian Chen and Haiyuan Wu
D2-2	Web-based Lung Nodule Detection System for Low-dose CT Images Chang-Mo Nam and Kyong Joon Lee
D2-3	Real-time Demonstration of Collaborative Localization of a Swarm of Connected Vehicles Francois Rameau, Oleksandr Bailo, Jinsun Park, Kyungdon Joo, Jaesung Choe and In So Kweon
D2-4	StairNet: Top-Down Semantic Aggregation for Accurate One Shot Detection Sanghyun Woo, Soonmin Hwang and In So Kweon