

Detailed Presentation Schedule

Wednesday, February 21

Oral Session 1 (10:15-12:00)

Chairs: Jong-Il Park (Hanyang University) and Yoshinori Kuno (Saitama University)

O1-1	Zero-shot learning using dictionary definitions Hascoet Tristan, Arika Yasuo and Tetsuya Takiguchi
O1-2	Weighted Generalized Hough Transform by Using Partial Least Squares Regression Analysis Junpei Inukai, Kunihito Kato, David Harwood and Larry S. Davis
O1-3	Disparity Computation of Arbitrary Plane Patch Using Normal Vector and Color Gradient Youlkyeong Lee and Kang-Hyun Jo
O1-4	Multi-label Image Annotation via CNN with Graph Laplacian Regularization based on Word2Vec Yu Zhao, Junichi Miyao and Takio Kurita
O1-5	Deep Convolutional 3D Object Classification from a Single Depth Image and Its Normal Map Yuji Oyamada, Tomotaka Ohnishi, Kazu Mishiba and Katsuya Kondo
O1-6	Measuring Categorical Similarity with GAN Luke Lee and Wonjun Hwang
O1-7	Face Recognition with Deep Residual Faster R-CNN Assylbek Razakhbergenov and Tomoko Ozeki

Lunch (12:00-13:30)

Oral Session 2 (13:30-15:15)

Chairs: Ki-Ryong Kwon (Pukyong National University) and Toru Tamaki (Hiroshima University)

O2-1	Undetected Human-Joints Estimation Using Multilayer Perceptron Masaki Nakashima, Toshiki Kikuchi, Yuko Ozasa and Hideo Saito
O2-2	A Development of Augmented Reality System at Oka Castle Ruins in Takeda City, Oita Prefecture Hidehiro Ohki, Takashi Shibuya, Takeru Shinozaki, Keiji Gyohten and Toshiya Takami
O2-3	Face Identification Based on Randomly Sampled Minute Feature Points Kazuki Takasaka and Kazuhiro Fukui
O2-4	Fashion Style Transfer: Stylizing Person in Clothes Toshiki Kikuchi and Yuko Ozasa
O2-5	Suitable Image Pairs for Feature-based Image Stitching You-Jin Ha, Si-Hyeong Park and Hyun-Deok Kang
O2-6	Scene Classification based on Histogram of Detected Objects Siyi Shuai, Junichi Miyao and Takio Kurita
O2-7	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 (15:15-16:45)

Chairs: Hyun-Deok Kang (UNIST) and Kunihiro Kato (Gifu University)

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	A CNN-based Algorithm for pixel-wise semantic segmentation and Depth estimation Seon-Kuk Kim and Chil-Woo 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 Kohki 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

Chairs: Jae-Ho Lee (ETRI) and Rin-ichiro Taniguchi (Kyushu University)

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 Kunihito Kato

Invited Talk 1 (16:45-17:45)

Chair: Jong-Il Park (Hanyang University)

	Generating Content-aware Perspective Videos from 360° Videos for Comfortable 360° Video Watching Kuk-Jin Yoon (Department of Mechanical Engineering, KAIST)
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Banquet (19:00-21:00)

Location: Four Points by Sheraton Hakodate (14-10 Wakamatsu-cho Hakodate)

Free-bus will bring you to the banquet venue. The bus will depart 18:00 from FUN. Please wait at the main entrance of FUN.

Thursday, February 22

Oral Session 3 (9:45-11:00)

Chairs: Chilwoo Lee (Chonnam National University) and Atsushi Shimada (Kyushu University)

O3-1	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
O3-2	A Study on CGH Generation in GRID Computing Environment Changseob Kim, Jong-Il Park and Hanhoon Park
O3-3	Hyperspectral Imaging for Measuring Vegetation Indices Makoto Ohsaki, Hajime Nagahara and Rin-ichiro Taniguchi
O3-4	Person Re-identification by Deep Part Learning Hilal Özdemir, Yuko Ozasa, Hideo Saito and Lale Akarun
O3-5	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 4 (11:15-12:15)

Chairs: Kang-Hyun Jo (University of Ulsan) and Yasutomo Kawanishi (Nagoya University)

O4-1	How does CNN grasp transparent object features? Roland Sireyjol, Atsushi Shimada, Tsubasa Minematsu, Hajime Nagahara and Rin-ichiro Taniguchi
O4-2	Human Fall Recognition using the Spatiotemporal 3D CNN Sowmya Kasturi, Alexander Filonenko and Kang-Hyun Jo
O4-3	Classification of Potsherds into Each Earthenware Using 3D Object Retrieval Kazumasa Oniki, Yuko Ozasa, Hideo Saito and Ryo Hachiuma
O4-4	Lesion image synthesis using DCGANs for metastatic liver cancer detection Takaaki Konishi, Keisuke Doman, Shigeru Nawano and Yoshito Mekada

Lunch (12:15-13:30)

Oral Session 5 (13:30-15:00)

Chairs: Kyunghyun Yoon (Chung-Ang University) and Keisuke Doman (Chukyo University)

O5-1	Towards Taking Pulses Over YouTube to Determine Interest in Video Content Antony Lam, Kouyou Otsu, Keya Das and Yoshinori Kuno
O5-2	Fault Detection for Tool Wear in Machining Processes using Neural Network Kyeong-Min Lee, Caleb Vununu, Suk-Hwan Lee, Oh-Heun Kwon and Ki-Ryong Kwon
O5-3	Action Recognition Using RGB-D Video by Pre-trained CNN Itsuki Baba and Tomoko Ozeki
O5-4	Visualization of spatial distribution of tomato yields based on action recognition Yoshiki Hashimoto, Daisaku Arita, Atsushi Shimada, Hideaki Uchiyama and Rin-ichiro Taniguchi
O5-5	Fast Temporal Anti-jitter Correction Algorithm for Real-time Video Stitching Si-Hyeong Park, You-Jin Ha and Hyun-Deok Kang
O5-6	Guideline for Certification of Image Attribute Structuring Technology for Vehicle Accident Prevention Weon-Geun Oh, Seung-Jae Lee and Hiromi T. Tanaka

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

Chairs: Hyun-Deok Kang (UNIST) and Kunihito Kato (Gifu University)

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	e-Reader Supporting Restarting from Interrupted Reading Kenshiro Saito, Toshio Kawashima and Jumpei Kobayashi
P2-3	A Machine Fault Assessment System using a Sound-to-Image Conversion Feature Representation Caleb Vununu, Kyung-Min Lee, Ha-Joo Song, Eung-Joo Lee, Kwang-Seok Moon, 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	Video Stippling based on Coherent Feature Line Dongwann Kang and Kyunghyun Yoon
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 Arika

Chairs: Jae-Ho Lee (ETRI) and Rin-ichiro Taniguchi (Kyushu University)

D2-1	A Novel Automatic Stent Detection Method in Intravascular OCT Images Based on Local Maximum of Standard Deviation Xinbo Ren, Qian Chen, Huaiyuan Wu, Kubo Takashi and Akasaka Takashi
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	Fast One Shot Detection of Various Sized Objects Sanghyun Woo, Soonmin Hwang and In So Kweon

Invited Talk 2 (16:30-17:30)

Chair: Hiroyasu Koshimizu (Chukyo University)

	Mobility AI and Marine AI: AI applications to local areas Hitoshi Matsubara (Future University Hakodate)
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