IW-FCV 2019 Overall Program

▶ Feb. 20, Wednesday

08:30-10:00	Registration
10:00-10:05	Opening
10:05-10:55	Invited Speaker 1 : Dr. Yeunbae Kim (Exective PM, IITP) - Talk title : AI & ICT Technologies and Social Problem Solving
11:00-12:00	Oral Session 1
12:00-13:00	Lunch
13:00-15:00	Oral Session 2
15:00-16:30	Poster Session 1
16:40-17:30	Invited Speaker 2 : Prof. Yusuke Sugano (Osaka University) - Talk title : Appearance-based Gaze Estimation for Real-World Eye Tracking Applications

▶ Feb. 21, Thursday

10:00-11:00	Oral Session 3
11:10-12:00	Invited Speaker 3 : Seungjae Lee (ETRI) - Talk title : Visual Searching: Engineering Aspects
12:00-13:00	Lunch
13:00-15:00	Oral Session 4
15:00-16:30	Poster Session 2
17:30-18:00	Gwanno Mask Theater of Gangneung(강릉관노가면극, 江陵官奴假面劇) with Cocktail Party
18:00-20:00	Banquet

▶ Feb. 22, Friday

09:00-10:00	Co-operative Workshop Session 1 (ETRI) - Workshop title : Object recognition and manipulation intelligence in robotics
10:10-12:00	Co-operative Workshop Session 2 (University of Ulsan, UNIST, Saitama Univ.) - Workshop title : CV based Intelligent Systems
12:00-13:30	Farewell Lunch

IW-FCV 2019 Detailed Program

▶ Feb. 20, Wednesday

Invited Talk 1 (10:05~10:55) : Chair Jong-Il Park (Hanyang University)

	Invited Speaker 1 : Dr. Yeunbae Kim (Exective PM, IITP) - Talk title : AI & ICT Technologies and Social Problem Solving

Oral Sesion 1 (11:00-12:00)

11:00-12:00	Oral Session 1 : Chairs Michihiro Mikamo (Kagoshima University), Chi-Woo Lee (Chonnam National University) O1-1 : SDM : Squeeze and Excitation Deformable Mask-RCNN, Hunjun Yang, Wonkeun Lee, Kyungtae Kim, Jin-Gyeom Kim, Sanghong Kim and Bowon Lee(Inha University) O1-2 : Pedestrian Tracking and Identification by Integrating Multiple Sensor Information, Fumito Endo, Hisato Fukuda, Yoshinori Kobayashi and Yoshinori Kuno(Saitama University) O1-3 : Knee Bone Tumor Segmentation from radiographs using Seg-Unet with Dice Loss, Nhu-Tai Do, Sang-Don Joo, Hyung-Jeong Yang, Sung Taek Jeong and Soo-Hyung Kim(Chonnam National University) O1-4 : Exemplar-based Lip-to-Speech Synthesis Using Convolutional Neural Networks, Yuki Takashima, Tetsuya Takiguchi and Yasuo Ariki(Kobe University)
12:00-13:00	Lunch
13:00-15:00	Oral Session 2 : Chairs Kazuhito Kato (Gifu University), Bowon Lee (Inha University) O2-1 : Slight Dent Detection on Diffuse Surface inside Cylinder using High Gradation Camera, Akihisa Hasebe, Kunihito Kato, Takashi Yamaura and Kenya Yamaura(Gifu University, Nagano Automation Co.) O2-2 : Bone Age Assessment With X-ray Left-hand Scan Using Hierarchical Deep Features, Cuong Pham, Hai-Duong Nguyen, Guee-Sang Lee, Hyung-Jeong Yang and Soo-Hyung Kim(Chonnam University) O2-3 : Good Practice of Using Deep Features in Content-based Image Retrieval, Longjiao Zhao, Yu Wang, Jien Kato and Hiromi Tanaka(Nagoya University, Ritsumeikan University) O2-4 : Precise Road Trajectory Estimation from Mobile Mapping Data, Jingxin Su, Ruiji Miyazaki, Toru Tamaki and Kazufumi Kaneda(Hiroshima International University, Hiroshima University) O2-5 : Music score estimation algorithm using octave hierarchy defined on logarithmic frequency, Ziang Ye, Kavitha Muthusubash, Junichi Miyao and Takio Kurita(Hiroshima University) O2-6 : Batch Estimation for Face Modeling with Tracking on Image Sequence, Tsuyoshi Migita, Ryuichi Saito and Takeshi Shakunaga(Okayama University) O2-7 : Time-lapse Image Analysis for Rapid Drug Susceptibility Testing, Andrey Grushnikov, Shinzaburo Hanada, Yoshimi Matsumoto, Kota Aoki and Yasushi Yagi(Osaka University) EO2-1 : Effective Feature Learning for Deep Convolutional Neural Network, Sanghyun and In So Kweon(KAIST) EO2-2 : 3D Vehicle Localization in Atlanta World, Kyungdon Joo, Tae-Hyun Oh and In So Kweon(MIT, KAIST)

(EO : Extended Summary Oral Presentation)

15:00-16:30	Poster Session 1 : Chairs Yoshinori Kuno (Saitama University), Kyunghyun Yoon (Chung-Ang University) P1-1 : A Structure and Generation Method of Lookup Table for Lightweight Convolutional Neural Network Design, Suwoong Lee, Seungjae Lee, Jong Gook Ko, Keundong Lee and Weon-Geun Oh(ETRI) P1-2 : Recognition of Facial Expression in Conversation by Double-stream Recurrent Convolutional Neural Network, asaki Fukiage, Tetsushi Wakabayashi and Wataru Ohyama(Mie University, Kyushu University) P1-3 : Egocentric Cooking Video Summarization by Convolutional Neural Networks,Naoki Shimada, Tetsushi Wakabayashi and Wataru Ohyama(Mie University, Kyushu University) P1-4 : Merging SLAM and photometric stereo for 3D reconstruction with a moving camera, Maxence Remy, Hideo Saito and Hiroshi Kawasaki(Keio University, Kyushu University) P1-5 : Real-Time Facial Expression Recognition System Using Raspberry Pi, Sanghong Kim, Taeyong Kim and Bowon Lee(McGill University, Inha University) P1-6 : Evaluation method of Concrete Pole Deterioration by Image Processing, Chikahito Nakajima(Central Research Institute of Electric Power Industry) P1-7 : Combined Method of CNN and Decision Forests for Place Recognition, Lee Youlkyeong and Kang-Hyun Jo(University of Ulsan) P1-8 : An Unsupervised Feature Learning Method for the Classification of Cellular Images, Caleb Vununu, Oh-Heum Kwon, Kwang-Seok Moon, Suk-Hwan Lee, Kyung-Won Kang and Ki-Ryong Kwon(Pukyong National University, Tongmyong University;) P1-9 : Metal surface inspection using convolutional neural network, Minjong Kim, Sangseung Kang and Suyoung Chi(UST, ETRI) P1-10 : Research for inspect non-recognition defects in single 2D metal product image, Seonjong Bong, Kwangroh Park and Suyoung Chi(ETRI) P1-11 : 3D Point Cloud Sequence Compression Using Block Skipping, Ji-Su Kim, Jae-Han Lee and Chang-Su Kim(Korea University) P1-12 : Estimating Absorption Coefficient of Primary Color Woven Fabric, Shiro Tanaka and Hiromi Tanaka(Ritsumeikan University) P1-13 : Touch Detection for Projector-Camera System Using Temporally Embedded Pattern, Junyoung Yun and Jong-Il Park(Hanyang University) P1-14 : A CNN-based Depth Estimation using Stereo Images, Jong-Ho Jeong and Chil-Woo Lee(Chonnam National University) P1-15 : Object recognition method for installing LIDAR in different car height, Toru Nagashima, Takeshi Nagasaki, Hitoshi Matsubara(Future University Hakodate) P1-16 : Implementating AR Dinosaur Service Testbed Using a Prototype ARC Platform for Multi-User, Young-Suk Yoon(ETRI) P1-17 : Tensor-based Texture Representations for Rendering Time-varying Water Drop Condensation, Michihiro Mikamo and Hiroshi Kawasaki(Kagoshima University)

Invited Talk 2 (16:40~17:30 : Chair Wataru OHYAMA (Kyushu University)

	Invited Speaker 2 : Prof. Yusuke Sugano (Osaka University - Talk title : Appearance-based Gaze Estimation for Real-World Eye Tracking Applications

▶ Feb. 21, Thursday

10:00-11:00	Oral Session 3 : Chairs Toru Tamaki (Hiroshima University), Lee Chul (Pukyong National University) O3-1 : Brain MRI Segmentation using Rule-Based Hybrid Approach, Mustansar Fiaz, Kamran Ali, Abdul Rehman, M. Junaid Gul and Soon Ki Jung(University of Central Florida, Kyungpook National University) O3-2 : Action Segmentation in Badminton videos for Shot Classification with Skeleton-based Features, Daichi Yamaoka and Yoshimitsu Aoki(Keio University) O3-3 : Semantic Segmentation of Road Marking by Temporal Information, Daiki Kobayashi, Kunihito Kato, Hiroaki Aizawa and Akihiro Ikoma(Gifu Prefectural Research, Gifu University) O3-4 : Entropy policy for supervoxel agglomeration of neurite segmentation, Tristan Hascoet, Baptiste Metge, Yasuo Ariki and Tetsuya Takiguchi(Kobe University, Independant)

Invited Talk 3 (11:10~12:00) : Chair Weon-Geun OH (ETRI)

	Invited Speaker 3 : Seungjae Lee (ETRI) - Talk title : Visual Searching: Engineering Aspects

12:00-13:00	Lunch
13:00-15:00	Oral Session 4 : Chairs Hiroshi Kawasaki (Kyushu University), Yongduek Seo (Sogang University) O4-1 : Improved Activity Forecasting for Generating Trajectories, Daisuke Ogawa, Toru Tamaki, Tsubasa Hirakawa, Bisser Raytchev, Kazufumi Kaneda and Ken Yoda(Hiroshima University, Chubu University, Nagoya University) O4-2 : Low-Light Video Enhancement Based on Optimal Gamma Correction Parameter Estimation, Jeong Inho and Lee Chul(Pukyong National University) O4-3 : Analysis of Shape Dissimilarity using Scale Space and Hierarchical Clustering, Christina Caraswati Liantara and Kazuhito Murakami(Aichi Prefectural University) O4-4 : Auto-encoder factorizing into transform invariants and transform parameters, Tadashi Matsuo and Nobutaka Shimada(Ritsumeikan University) O4-5 : Action Classification Based on 2D Coordinates Obtained by Real-time Pose Estimation, Siyi Shuai, Kavitha Muthusubash, Junichi Miyao and Takio Kurita(Hiroshima University) O4-6 : Improvement attempt of ISHIGAKI of The Kumamoto Castle Region Extraction System by Grabcut and Line Segments Detection, Yuuki Yamasaki, Kentarou Inoue, Masahiro Migita, Gou Koutaki, Masashi Toda and Tsuyoshi Kishigami(TOPPAN PRINTING CO., Kumamoto University) EO4-1 : 2D pose-based motion recognition for automatic basketball video analysis, Yoonhyung Kim and Changick Kim(KAIST) EO4-2 : Depth and Pose Estimation for Burst Image Photography, Sunghoon Im, Hae-Gon Jeon and In So Kweon(Carnegie Mellon University, KAIST)

15:00-16:30	Poster Session 2 : Chairs Masashi Toda (Kumamoto University), Hyun-Deok Kang (UNIST) P2-1 : A Study for Generating Paintings Reflected Human Emotions, Junghyun Lee, Teamin Lee, Sanghyun Seo and Kyunghyun Yoon(Chung-Ang University) P2-2 : Calibration of AR Glasses with Image Projections, Jae-Hean Kim and Bon-Ki Koo(ETRI) P2-3 : Franchise Brands Recognition based on Convolutional Neural Network, Keundong Lee, Seungjae Lee, Weon-Geun Oh, Junhyeok Lee, Giseok Kim and Juyeong Lee(ETRI, KPST) P2-4 : Tiling Parallelization of Guided Image Filtering, eppei Tsubokawa, Masahiro Nakamura, Yoshihiro Maeda and Norishige Fukushima(Hitachi Solutions Create, Ltd, Nagoya Institute of Technology) P2-5 : Robot Grasp Planning with Integration Map of Graspability and Object Occupancy, Masato Fukuzaki, Seiya Ito, Naoshi Kaneko and Kazuhiko Sumi(Aoyama Gakuin University) P2-6 : Investigation of Training Samples Expansion in Method of Facial Feature Point Detection, Takayuki Fujiwara, Kyohei Onishi and Shigeru Mukaida(Hokkaido Information University) P2-7 : Point-Inception Network for 3D Object Classification, Seon-Ho Lee and Chang-Su Kim(Korea University) P2-8 : Adaptive Motion Refinement Based on Probabilistic Analysis of Accelerometer, Byeonggyu Kim, Jaejoon Choi, Jong-Il Park(Hanyang University) P2-9 : Simple 3D model Reconstruction with Geometric Rotation, Hyunmin Kang, Byungjoon Kim and Yongduek Seo(Sogang University) P2-10 : Photovoltaics Module Detection Using Thermal Imaging Drone, Kyudong Sim, Sang Hwa Lee, Jong-Il Park(Seoul National University, Hanyang University) P2-11 : Good Deep Features for Pedestrian Detection, Misaki Kodaira, Yu Wang, Jien Kato, Hiroshi Murase and Hiromi Tanaka(Nagoya University, Ritsumeikan University)
17:30-18:00	Performance (Korea Traditional Masque) with Cocktail Party
18:00-20:00	Banquet

▶ Feb. 22, Friday

09:00-10:00	Co-operative Workshop Session 1 (ETRI) : Chair Kyekyung Kim (ETRI) - Workshop title : Object recognition and manipulation intelligence in robotics CO-WS1-1 : Object Pose Estimation by Contour Segment Matching, Seohyun Jeon, Sangseung Kang, Jaemin Cho and Kyekyung Kim(ETRI, UST) CO-WS1-2 : Pose-based interest estimation and behavior recognition, Jaeyoon Jang and Hosub Yoon(ETRI) CO-WS1-3 : Deep Learning Based Robust Outline Detection for Precise Pose Estimation, Jaemin Cho, Sang Seung Kang and Kye Kyung Kim(UST, ETRI) CO-WS1-4 : Character Detection and Recognition for Personal Information Security in Real-World Document Image, Kyekyung Kim, Jamin Cho, Sangseung Kang and Jaehong Kim(ETRI)
10:10-12:00	Co-operative Workshop Session 1 (University of Ulsan, UNIST, Saitama Univ.) : Chair Kang-Hyun Jo (University of Ulsan) - Workshop title : CV based Intelligent Systems CO-WS2-1 : Intuitive Method for Assessment of Feature-based Image Stitching, You-Jin Ha, Tae-Heon Kim and Hyun-Deok Kang(UNIST) CO-WS2-2 : A Navigator Robot for Autonomous Wheelchair to Enhance Multiparty Cooperative Movements, Hisato Fukuda, Emi Iiyama, Seiji Yamazaki, Yoshinori Kobayashi, Yoshinori Kuno(Saitama University) CO-WS2-3 : Illumination Invariant Foreground Object Segmentation using ForeGANs, Maryam Sultana and Jung Soon Ki(Kyungpook National University) CO-WS2-4 : Scale Invariant Template Matching using Deep Features, Laksono Kurnianggoro and Kang-Hyun Jo(University of Ulsan) CO-WS2-5 : Dog eye segmentation using multilayer perceptron, Taeheon Kim, Juheon Baek, Youjin Ha, Sihyeong Park and Hyundeok Kang(UNIST) CO-WS2-6 : Stacked Hourglass with λ-Residual Block for Facial Landmarks Detection, Van-Thanh Hoang and Kang-Hyun Jo((University of Ulsan)
12:00-13:30	Farewell Lunch

(CO-WS : Co-operative Workshop Presentation)