Time Zone: Japan Standard Time (JST)

Final Program: 9th ICIEV, 4th IVPR & 2nd ABC, 26-29 August, 2020, Kitakyushu, Japan

26-Aug	Start	End	Session	Topic	ID	Title	Authors (with affiliations)
					Speakers:		
	1200	1215	Opening Ceremony		**Sozo Inoue**, General Chair, 2nd ABC; Program Chair, 4th IVPR; Kyushu Institute of Technology, Japan		
					Matthew Turk, General Chair, 9th ICIEV; Fellow, IEEE; Fellow, IAPR; President, Toyota Technological Institute at Chicago, USA; University of California, Santa Barbara, USA		
					Michihiko Minoh, 9th ICIEV; Kyoto University, Japan; Executive Director, RIKEN, Japan		
					Saifur Rahman, Life Fellow, IEEE; Virginia Tech., USA; Advidory Board Member, ICIEV & IVPR 2020		
					Daniel Roggen, Program Chair, 2nd ABC; Sussex University, UK		
	1215	1330	IVPR-1	Generator	168	Synthesizing Cell Protein data for Human Protein Cell Profiling Using Dual Deep Generative Modeling	Rakesh Ranjan (Kyushu Institute of Technology)*; Sozo Inoue (Kyushu Institute of Technology); Tomohiro Shibata (Kyushu Institute of Technology)
					16	Early Pulmonary Embolism Detection from Computed Tomography Pulmonary Angiography Using Convolutional Neural Networks	Ching-Yuan Yu (National Chiao-Tung University)*; Chin Kuo (National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University); Yun-Chien Cheng (National Chiao-Tung University)
					26	AdversarialQR: An adversarial patch in QR code format	Aran Chindaudom (Mahidol University)*; Prarinya Siritanawan (Japan Advanced Institute of Science and Technology); Karin Sumongkayothin (Mahidol University); Kazunori Kotani (Japan Advanced Institute of Science and Technology)
					3	Deep Learning with AnoGAN and Efficient GAN to Judge Agricultural Harvest Image Data	Shinji KAWAKURA (Osaka City University)*; Ryosuke Shibasaki (University of Tokyo)
					97	PerceptionGAN: Real-world Image Construction from Provided Text through Perceptual Understanding	Kanish Garg (Indian Institute of Technology, Delhi)*; Ajeet Singh (IIT DELHI); Dorien Herremans (Singapore University of Technology and Design); Brejesh Lall (IIT Delhi)
	1330	1340	Coffee-1				
	1340	1510	IEV-1	Data Mining & Informatics	209	Anomaly Detection using Variational Autoencoder with Spectrum Analysis for Time Series Data	Umaporn Yokkampon (Kyushu Institute of Technology)*
					179	IntellCache: An Intelligent Web Caching Scheme for Multimedia Contents	Nishat Niloy (University of Dhaka)*; Md. Shariful Islam (University of Dhaka)
					255	Forecasting the Risk of Type II Diabetes using Reinforcement Learning	Most. Fatematuz Zohora (Jahangirnagar University); Marzia Tania (Bangladesh University of Professionals); Shamim Kaiser (Jahangirnagar University)*; Mufti Mahmud (Nottingham Trent University, Nottingham)
					164	Hybrid Text Summarizer for Bangla Document	Mahimul Islam (Ahsanullah University of Science and Technology); Fariha Nuzhat Majumdar (Ahsanullah University of Science and Technology); Asadullahhil Galib (Ahsanullah University of Science and Technology); Md Moinul Hoque (Ahsanullah University of Science and Technolgy)*
					239	Knowledge-Base Optimization to Reduce the Response Time of Bangla Chatbot	Md. Kowsher (Noakhali Science and Technology University)*; Anik Tahabilder (PUST); Md. Zahidul Islam Sanjid (BRAC University); Nusrat Jahan Prottasha (Daffodil International University); Md. Murad Hossain Sarker (Comilla University)
					218	A learning mechanism for BRBES using enhanced Belief Rule-Based Adaptive Differential Evolution	Raihan Ul Islam (Luleå University of Technology)*; Mohammad Shahadat Hossain (University of Chittagong); Karl Andersson (Luleå University of Technology)
	1510	1520	Coffee-2				
	1520	1605	Keynote 1		**Michihiko Minoh**, Kyoto University, Japan; Executive Director, RIKEN, Japan (**Title: AI and Psychology**)		
	1605	1610	Break 5min				
	1610	1740	IVPR-2	3D Vision	229	Towards Detailed 3D Modeling: Mesh Super-Resolution via Deformation	Ryo Tamura (Aoyama Gakuin University)*; Seiya Ito (Aoyama Gakuin University); Naoshi Kaneko (Aoyama Gakuin University); Kazuhiko Sumi (Aoyama Gakuin University)
					21	Object Detection in 3D Point Clouds via Local Correlation-Aware Point Embedding	Chengzhi Wu (Karlsruhe Institute of Technology)*; Julius Pfrommer (Fraunhofer IOSB); Jürgen Beyerer (Fraunhofer IOSB); kangning Li (Karlsruhe Institute of Technology); Boris Neubert (Karlsruhe Institute of Technology)
					22	New Graph Embedding Approach for 3D Protein Shape Classification	Kamel Madi (UMANIS)*; Eric Paquet (National Research Council)
					185	Performance Evaluation of Markerless 3D Skeleton Pose Estimates with Pop Dance Motion Sequence	Rollyn Labuguen (Kyushu Institute of Technology)*; Tomohiro Shibata (Kyushu Institute of Technology); Salvador Blanco Negrete (Kyushu Institute of Technology); Tonan Kogami (Kyushu Institute of Technology); Wally Enrico M. Ingco (Ateneo de Manila University)
					211	Feature Bridging Networks for 3D Human Body Shape Estimation from a Single Depth Map	Naoshi Kaneko (Aoyama Gakuin University)*; Mei Oyama (Ricoh Company, Ltd.); Masaki Hayashi (Keio University); Seiya Ito (Aoyama Gakuin University); Kazuhiko Sumi (Aoyama Gakuin University)
					220	Two-Stream 3D Convolution Attentional Network for Action Recognition	Raden Hadapiningsyah Kusumoseniarto (National Taiwan University of Science and Technology)*

	1740	1750	Coffee-3				
	1750	1920	ABC-1	Activity & Behavior Analysis	88	A Basic study on Ballroom Dance Figure Classification with LSTM Using Multi-modal Sensor	Hitoshi Matsuyama (Nagoya University)*; Kei Hiroi (Kyoto University); Katsuhiko Kaji (Aichi Institute of Technology); Takuro Yonezawa (Nagoya University); Nobuo Kawaguchi (Nagoya University)
					181	Reducing Energy Consumption by Behavioural Change – It is possible!	Dietrich Albert (University of Graz & Graz University of Technology)*; Michael Bedek (University of Graz & Graz University of Technology); Wolfgang Horn (Horn Consult, Leibnitz)
					194	Estimation of Record Contents for Automatic Generation of Care Records	Haru Kaneko (Kyushu Institute of Technology); Tahera Hossain (Kyushu Institute of Technology)*; Sozo Inoue (Kyushu Institute of Technology)
					74	Biological and Behavioral Information-based Method of Predicting Listener Emotions toward Speaker Utterances during Group Discussion	Motoki Sakai (Tokyo Denki University)*; Masaki Shuzo (Tokyo Denki University); Masahide Yuasa (Shonan Institute of Technology); Kanae Matsui (Tokyo Denki University); Eisaku Maeda (Tokyo Denki University)
					126	Investigating Correlations Between Usage of Communication Apps and Instant Messengern and a Smartphone User's Extraversion	Anja Exler (Karlsruhe Institute of Technology)*; Tobias Hornberger (Karlsruhe Institute of Technology); Michael Beigl (Karlsruhe Institute of Technology)
					189	Multilabel Classification of Nursing Activities in a Realistic Scenario	Farina Faiz (Kyushu Institute of Technology)*; Yoshinori Ideno (CARECOM CO., LTD); Hiromichi Iwasaki (University of Fukui Hospital); Yoko Muroi (University of Fukui Hospital); Sozo Inoue (Kyushu Institute of Technology)
	1920	1945	Networking				
27-Aug							
	1200	1330	IEV-2	Machine Learning	210	Visual Analytics for Anomaly Classification in LAN Based on Deep Convolutional Neural Network	Yuwei Sun (The University of Tokyo)*; Hiroshi Esaki (University of Tokyo, Japan); Hideya Ochiai (The University of Tokyo)
					156	Mutual Information based Feature Selection for Nurse Care Activity Recognition	Md. Hasan Tarek (University of Dhaka)*; Md. Eusha Kadir (University of Dhaka); Mahir Mahbub (University of Dhaka); Pritom Saha Akash (University of Dhaka); Amin Ahsan Ali (Independent University Bangladesh); Mohammad Shoyaib (University of Dhaka)
					103	Pathfinder: A Fog Assisted Vision-Based System for Optimal Path Selection of Service Robots	Niloy Irtisam (University of Dhaka)*; Riad Ahmed (University of Dhaka); Mohammad Moniruzzaman Akash (University of Dhaka); Raiyaan Abdullah (University of Dhaka); Sujan Sarker (University of Dhaka); Sejuti Rahman (University of Dhaka); Lafifa Jamal (University of Dhaka)
					54	An Improved Adaptive Optimization Technique for Image Classification	Nazmus Saqib (KUET)*; Fatema Tuz Zahra (KUET)
					177	An Integrated Real-Time Deep Learning and Belief Rule Base Intelligent System to Assess Facial Expression under Uncertainty	Tawsin Uddin Ahmed (University of Chittagong)*; Mohammad Newaj Jamil (University of Chittagong); Mohammad Hossain (University of Chittagong); Karl Andersson (Luleå University of Technology); Sazzad Hossain (University of Liberal Arts Bangladesh)
					90	Alzheimer's Disease Prediction Using Convolutional Neural Network Models Leveraging Pre-existing Architecture and Transfer Learning	Mahjabeen Tamanna Abed (BRAC University); Umme Fatema (BRAC University); Shanewas Ahmed Nabil (BRAC University); Md. Ashraful Alam (BRAC University); Md Tanzim Reza (BRAC University)*
	1330	1335	Break 5min				
	1335	1420	Keynote 2		**Oleg Komogortsev**, Texas State University, USA; Presidential Early Career Award for Scientists and Engineers (PECASE) 2017 (**Title: Eye Movement Detection Sensors, Biometrics, and Health Assessment**)		
	1420	1430	Coffee-4				
	1430	1600	IVPR-3	Algorithms	17	Multi-branch Semantic Segmentation Network	LiHua Wei (Inner Mongolia University); Yingdong Ma (Inner Mongolia University)*
					18	Multi-Level Feature and Context Pyramid Network for Object Detection	Xia Wang (Inner Mongolia University); Yingdong Ma (Inner Mongolia University)*
					34	A Warp Speed Chain-Code Algorithm Based on Binary Decision Trees	Stefano Allegretti (Università degli Studi di Modena e Reggio Emilia)*; Federico Bolelli (Università degli Studi di Modena e Reggio Emilia); Costantino Grana (University of Modena and Reggio Emilia)
					128	The Planar/Hyper-Planar Rotated Polar Coordinate System and Its Mathematical Solid Vector Addition, Multiplication, Division, Dot Product and Cross Product Operations	Jalal Al-Anssari (University of Cincinnati)*; Inam Naser (University of Cincinnati); Anca Ralescu (University of Cincinnati)
					222	Visual Attention: Deep Rare Features	Matei Mancas (U Mons/ittention)*; Phutphalla Kong (Institute of Technology of Cambodia); Bernard Gosselin (Université de Mons (UMONS))
					224	Second-Order Estimation Based Attention Network for Metric Learning	Zeyu Sun (Waseda University)*; Sei-ichiro Kamata (Waseda University)
	1600	1610	Coffee-5				
	1610	1740	Industry Session		**Mamezou Co., Ltd.**		
					Innovation Plus Co., Ltd.		
					Fusic Co., Ltd.		
					Smart Co., Ltd.		
					Liful Co., Ltd.		
					Carecom Co., Ltd.		
	1740	1750	Coffee-6				

	1750	1920	ABC-2	Activity Analysis: Devices & Systems	187	Exploring Human Activity by Using eSense Earable Device	Md Shafiqul Islam (Kyushu Institute of Technology)*; Tahera Hossain (Kyushu Institute of Technology); M.A.R. Ahad (University of Dhaka); Sozo Inoue (Kyushu Institute of Technology)
					150	Head-AR: Human Activity Recognition with Head Mounted IMU Using Weighted Ensemble Learning	Hristijan Gjoreski (Ss. Cyril and Methodius University)*; Ivana Kiprijanovska (Institute Jozef Stefan); Simon Stankoski (Institute Jozef Stefan); Stefan Kalabakov (Institute Jozef Stefan); John Broulidakis (Emteq Ltd.); Charles Nduka (Emteq Ltd.); Martin Gjoreski (Institute Jozef Stefan)
					39	In-shoe motion sensor for initial contact and toe-off event detection	Chenhui Huang (NEC)*; Kenichiro Fukushi (NEC); Zhenwei Wang (NEC); Hiroshi Kajitani (NEC); Fumiyuki Nihey (NEC); Kentaro Nakahara (NEC)
					149	Classification Method of Eating Behavior by Dietary Sound Collected in Natural Meal Environment	Haruka Kamachi (Aoyama Gakuin University)*; Takumi Kondo (Aoyama Gakuin University); Anna Yokokubo (Aoyama Gakuin University); Guillaume Lopez (Aoyama Gakuin University)
					139	Human Pose Tracking by Fusing Human Joint Positions from Multiple Kinect 3 : New Results	Jessica Colombel (Inria)*; David Daney (Inria); Vincent Bonnet (Univ Paris Est Creteil, LISSI); Francois Charpillet (Inria)
					155	ExerSense: Real-Time Physical Exercise Segmentation, Classification, and Counting Algorithm Using an IMU Sensor	Shun Ishii (Aoyama Gakuin University)*; Kizito Nkurikiyeyezu (Aoyama Gakuin University); Mika Luimula (Turku University of Applied Sciences); Anna Yokokubo (Aoyama Gakuin University); Guillaume Lopez (Aoyama Gakuin University)
	1920	2020	Work-in-progress (WIP)-1		144	Glioma Histopathological Images Classification with Deep CNN and Object Level Features	Daisuke Saito (Mie University)*; Hiroharu Kawanaka (Mie University); Shinji Tsuruoka (Mie University); Bruce J. Aronow (Cincinnati Children's Hospital Medical Center); V. B. Surya Prasath (Cincinnati Children's Hospital Medical Center)
					216	The Measurement of bio medical reaction of the VR motion sickness in elderly subjects	Yutaka Yoshida (Nagoya City University)*; Emi Yuda (Tohoku University); Norihiro Ueda (Nagoya City University); Junichiro Hayano (Nagoya City University); Itaru Kaneko (Nagoya City University)
					260	On the Elliptical Ring-canal of Starfish Routing	Md Ahsan Habib (University of Dhaka)*; Sajeeb Saha (Jagannath University); Md. Abdur Razzaque (University of Dhaka); Md. Mamun-Or- Rashid (University of Dhaka)
					217	Relation between frequency of opening and closing of vascular and area of skin by microvascular wave	Yutaka Yoshida (Nagoya City University)*; Emi Yuda (Tohoku University); Yutaka Miura (Shigakkan University); Norihiro Ueda (Nagoya City University); Junichiro Hayano (Nagoya City University); Itaru Kaneko (Nagoya City University)
					166	Development of Electrical Impedance Imaging System for Continuous Monitoring of Lung Diseases	Aniqa Tabassum (University of Dhaka)*; Md. Adnan Kiber (University of Dhaka)
					253	Development of an optimal signal control method for the next-generation traffic at intersections	Makoto Hasegawa (Gunma University)*; MAS Kamal (Gunma University); Kotaro Hashikura (Gunma University); Kou Yamada (Gunma University)
					136	Development of Cytology Support System using Machine Learning Methods	Hiroki Kiyose (University of Hyogo)*
					271	Hand detection in UKA surgery videos using Deep Convolutional Neural Network	Shadman Sakib (University of Hyogo)*; Belayat Hossain (University of Hyogo); Takafumi Hiranaka (Takatsuki General Hospital); Syoji Kobashi (University of Hyogo)
					Question-Answer Session for All WIP-1		

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	1200	1330	IEV-3	Information System	169	Static Output Feedback Control Design for Takagi-Sugeno Descriptor Fuzzy Systems	Jun Yoneyama (Aoyama Gakuin University)*
					106	Simulation of Pattern Formation of Swarm with Minimum Shape Parameters	Md. Tahmeed Abdullah (University of Dhaka)*; Md Jubair Ahmed (University of Dhaka); Sejuti Rahman (University of Dhaka); Sujan Sarker (University of Dhaka)
					99	Attack Detection in Internet of Things using Software Defined Network and Fuzzy Neural Network	Fahiba Farhin (Jahangirnagar University); Ishrat Sultana (Jahangirnagar University); Nahida Islam (Jahangirnagar University); Md Sazzadur Rahman (Jahangirnagar University); Shamim Kaiser (Jahangirnagar University)*; Mufti Mahmud (Nottingham Trent University, Nottingham)
					85	Water Quality Classification Using Data Mining Techniques: A Case Study on Wang River in Thailand	Krittakom srijiranon (Thammasat University)*; Kittichai Northep (Thammasat University); Narissara Eiamkanitchat (Chiang Mai University)
					243	Lemmatization Algorithm Development for Bangla Natural Language Processing	Md. Kowsher (Noakhali Science and Technology University)*; Anik Tahabilder (PUST); Md. Murad Hossain Sarker (Comilla University); Md. Zahidul Islam Sanjid (BRAC University); Nusrat Jahan Prottasha (Daffodil International University)
					41	Inference and Multi-level Learning in a Belief Rule-Based Expert System to Predict Flooding	Raihan Ul Islam (Luleå University of Technology)*; Mohammad Shahadat Hossain (University of Chittagong); Karl Andersson (Luleå University of Technology)
	1330	1335	**Break 5min**				
	1335	1420	Keynote 3		**Mani Srivastava**, University of California, LA, USA; Fellow ACM; Fellow, IEEE (**Title: Security and Privacy Challenges in Learning-enabled IoT Systems**)		
	1420	1430	**Coffee-7**				

	1430	1600	IVPR-4	Vision & Imaging: Applications	140	Analysis of Tourists' Nationality Effects on Behavior-based Emotion and Satisfaction Estimation	Yuki Matsuda (Nara Institute of Science and Technology)*; Dmitrii Fedotov (Ulm University); Yutaka Arakawa (Nara Institute of Science and Technology); Hirohiko Suwa (Nara Institute of Science and Technology); Wolfgang Minker (Ulm University); Keiichi Yasumoto (Nara Institute of Science and Technology)
					157	Embedded Discriminant Analysis based Speech Activity Detection for Unsupervised Stress Speech Clustering	Barlian Henryranu Prasetio (University of Miyazaki)*; Hiroki Tamura (University of Miyazaki); Koichi Tanno (University of Miyazaki)
					240	Lip Reading using Facial Expression Features	Tatsuya Shirakata (Kyushu Institute of Technology); Takeshi Saitoh (Kyushu Institute of Technology)*
					13	Improved visual inspection for nozzle inner radius based on panoramic imaging	Sanao Huang (University of Science and Technology Beijing); Ke Xu (University of Science and Technology Beijing)*; Ruixin Wang (University of Science and Technology Beijing); Maocheng Hong (CGN Inspection Technology Co., Ltd)
					32	Diabetic retinopathy grading based on Lesion correlation graph	DAMING LUO (Waseda University)*; Sei-ichiro Kamata (Waseda University)
					225	Data Augmentation for Ancient Characters via Semi-MixFontGan	Yuan Zhiyi (Waseda University)*; Sei-ichiro Kamata (Waseda University)
	1600	1610	Coffee-8				
	1610	1740	IVPR-5	Medical Aspects	37	A Method for Predicting Dose Distribution of Nasopharyngeal Carcinoma Cases by Multiple Deep Neural Networks	Bilel Daoud (Kyushu University)*; Ken'ichi Morooka (Okayama University); Shoko Miyauchi (Kyushu University); Ryo Kurazume (Kyushu University); Wafa Mnejja (EPS HABIB BOURGUIBA); Farhat Leila (EPS HABIB BOURGUIBA); Jamel Daoud (EPS HABIB BOURGUIBA)
					223	A Review of the Technology of Activity Recognition for Dementia	Muhammad Fikry (Kyushu Institute of Technology)*; Defry Hamdhana (Kyushu Institute of Technology); Paula Lago (Kyushu Institute of Technology); Sozo Inoue (Kyushu Institute of Technology)
					221	A Coarse to Fine Framework for Multi-organ Segmentation in Head and Neck Images	Yan Pu (Waseda University)*; Sei-ichiro Kamata (Waseda University); Youjie Wang (Waseda University)
					226	Combined Convolutional Neural Network for Highly Compressed Images Denoising	Binying Liu (Waseda University)*; Sei-ichiro Kamata (Waseda University)
					244	A Hybrid Deep Learning Framework using CNN and GRU-based RNN for Recognition of Pairwise Similar Activities	Md. Sadman Siraj (University of Dhaka)*; M.A.R. Ahad (University of Dhaka; Osaka University)
					214	Stain-Refinement and Boundary-Enhancement Weight Maps for Multi-organ Nuclei Segmentation	Ruochan Wang (Waseda University)*; Sei-ichiro Kamata (Waseda University)
	1740	1750	Coffee-9				
	1750	1920	ABC-3	Activity & Behavior Analysis: Method	159	Accuracy of Motion Estimation using Sparse Set IMUs in Gait Analysis	Tsubasa Maruyama (National Institute of Advanced Industrial Science and Technology)*; Haruki Toda (National Institute of Advanced Industrial Science and Technology); Suguru Kanoga (AIST); Mitsunori Tada (National Institute of Advanced Industrial Science and Technology); Yui Endo (National Institute of Advanced Industrial Science and Technology)
					191	Improving Smartphone based Transport Mode Recognition using Generative Adversarial Networks	Lukas Gunthermann (University of Sussex)*; Daniel Roggen (University of Sussex); Andrew Philippides (University of Sussex)
					190	New Class Candidate Generation applied to On-Body Smartphone Localization	Mitsuaki Saito (Tokyo University of Agriculture and Technology)*; Kaori Fujinami (Tokyo University of Agriculture and Technology)
					183	Mapping Vicon Motion Tracking to 6-axis IMU Data for Wearable Activity Recognition	Lloyd Pellatt (University of Sussex)*; Alex Dewar (University of Sussex); Andrew Philippides (University of Sussex); Daniel Roggen (University of Sussex)
					188	Improvement of Human Action Recognition Using 3D Pose Estimation	Kohei Adachi (Kyushu Institute of Technology)*; Paula Lago (Kyushu Institute of Technology); Tsuyoshi Okita (Kyushu Institute of Technology); Sozo Inoue (Kyushu Institute of Technology)
					165	3D Pose Estimation Using Multiple Asynchronous Cameras	Takashi Morimoto (Hiroshima City University); Ikuhisa Mitsugami (Hiroshima City University)*
	1920	2020	Work-in-progress (WIP)-2		107	Towards Automatic Waistline Measurement with A Smartwatch	Yuki Matsuda (Nara Institute of Science and Technology)*; Yugo Nakamura (Nara Institute of Science and Technology)
					145	Drone Control for Monitoring a Walking Person from Constant Distance	Hiroto Yamashita (Hiroshima City University); Takashi Morimoto (Hiroshima City University); Ikuhisa Mitsugami (Hiroshima City University)*
					182	Towards Mapping Activity Classes for Transfer Learning in Human Activity Recognition	Md Shafiqul Islam (Kyushu Institute of Technology)*; Sayeda Shamma Alia (Kyushu Institute of Technology); Sozo Inoue (Kyushu Institute of Technology)
					238	Hardware Trojan for OFDM based Wireless Cryptographic ICs	Farshad Fazle (Bangladesh University of Engineering and Technology)*; Md. Liakot Ali (Bangladesh University of Engineering and Technology)
					59	Data Driven Analysis of the Behaviour of Elderly People Using k-Means and Home Automation and Power Consumption Sensors	Björn Friedrich (Carl von Ossietzky Universität)*; Enno-Edzard Steen (Carl von Ossietzky Universität); Hirohiko Suwa (Nara Institute of Science and Technology); Andreas Hein (Carl von Ossietzky Universität); Keiichi Yasumoto (Nara Institute of Science and Technology)
					186	Towards New Performance Metrics for Multi-level Data for Activity Recognition	Sayeda Shamma Alia (Kyushu Institute of Technology)*; Paula Lago (Kyushu Institute of Technology); Sozo Inoue (Kyushu Institute of Technology)

				152	On Data Augmentation Techniques for Deep Learning Multi-class Segmentation of Lung Confocal Immunofluorescent Images	Daiki Katsuma (Mie University)*; Shu Isaka (Mie University); Hiroharu Kawanaka (Mie University); Bruce J. Aronow (Cincinnati Children's Hospital Medical Center); V. B. Surya Prasath (Cincinnati Children's Hospital Medical Center)
				192	Exploring the use of accelerometer for assisting weight lifting exercise	Nour Alhuda Al bougha (Kyushu Institute of Technology)*; Brahim Benaissa (Kyushu Institute of Technology); Sozo Inoue (Kyushu Institute of Technology)
				Question-Answer Session for All WIP-2		
29-Aug						
	1200	1330	IVPR-6	Vision: Objects	201	Multi-Thread Approach to Object Detection Using YOLOv3	Rayan Abri (Mavinci Informatics Inc.)*; Sara Abri (Mavinci Informatics Inc.); Anıl Yarıcı (Mavinci Informatics Inc.); Salih Çetin (Mavinci Informatics Inc.)
					208	Triplet Network with Multi-level Feature Fusion for Object Tracking	Yang Cao (Xidian University); Bo Wan (Xidian University)*; Quan Wang (Xidian University); Fei Cheng (Xidian University)
					11	BLPNet: An End-to-End Model Towards Voxelization Free 3D Object Detection	Zhihao Cui (University Technology of Sydney)*; zhenhua zhang (University Technology of Sydney)
					176	Deep Learning Based Surface EMG Hand Gesture Classification for Low-Cost Myoelectric Prosthetic Hand	Nazmun Nahid (University of Dhaka); Arafat Rahman (University of Dhaka)*; M.A.R. Ahad (University of Dhaka)
					35	Weakly Supervised Semantic Roadside Object Segmentation Using Digital Maps	Johannes A.P. Guelen (CycloMedia Technology B.V.); Albert Ali Salah (Utrecht University)*; Bas Boom (Cyclomedia); Julien Vijverberg (CycloMedia B.V.)
					167	Polygonization of 3D Objects using Norm Similarity	Somrita Saha (Indian Institute of Engineering Science And Technology, Shibpur)*; Arindam Biswas (IIEST Shibpur)
	1330	1340	**Coffee-10**				
	1340	1440	IEV-IVPR-4	Communication and System	58	Circular Equivalent Planar Array- A new approach	G. M. Asadullah (International Islamic University Malaysia); Md. Shazzadul Islam (International Islamic University Malaysia); Md. Rafiqul Islam (International Islamic University Malaysia)*; Adnan Noor Hidayah M. (International Islamic University Malaysia)
					158	Design of High Gain Microstrip Array Antenna and Beam Steering for X Band RADAR Application	Liton Chandra Paul (Pabna University of Science and Technology)*; Md. Ibnul Hasan (Pabna University of Science and Technology); Rezaul Azim (University of Chittagong); Md. Rashedul Islam (Universiti Kebangsaan Malaysia); M. T. Islam (Universiti Kebangsaan Malaysia)
					147	Dissimilarity Based Regularized Deep Learning Model for Information Charts	Prerna Mishra (IIIT-NR, Raipur, CG)*; Santosh Kumar (Dr.S P Mukherjee International Institute of Information Technology); Mithilesh Kumar Chaube (IIITNR Raipur)
					215	Suitability of Single-channel Acoustic Myography for Classification of Individual Finger Movements	Amirul Karim Tanim (University of Dhaka)*; K M Talha Nahiyan (University of Dhaka); M.A.R. Ahad (University of Dhaka)
	1440	1525	Keynote 4		**Anton Nijholt**, University of Twente, The Netherlands (**Title: Virtual and Augmented Reality Animals in Smart and Playful Cities**)		
	1525	1535	**Coffee-11**				
	1535	1705	Cooking Activity Challenge		261	SCAR-Net: Scalable ConvNet for Activity Recognition with multi-modal Sensor Data	Zabir Al Nazi (MazeGeek, Inc.)*
					262	Multi-class Multi-label Classification for Cooking Activity Recognition	Shkurta Gashi (Università della Svizzera italiana)*; Elena Di Lascio (Università della Svizzera italiana); Silvia Santini (University of Lugano)
					263	Identification of Cooking Preparation Using Motion Capture Data: A Submission to the Cooking Activity Recognition Challenge	Clément Picard (École normale supérieure de Rennes)*; Vito Janko (Jožef Stefan Institute); Nina Reščič (Jožef Stefan Institute); Martin Gjoreski (Institute Jozef Stefan); Mitja Luštrek (Jožef Stefan Institute)
					264	Multi-Sampling Classifiers for the Cooking Activity Recognition Challenge	Ninnart Fuengfusin (Kyushu Institute of Technology)*; Hakaru Tamukoh (Kyushu Institute of Technology)
					265	Activity Recognition from Skeleton and Acceleration Data Using CNN and GCN	Mao Donghui (Shandong University)*
					266	Cooking Activity Recognition with Varying Sampling Rates using Deep Convolutional GRU Framework	Md. Sadman Siraj (University of Dhaka)*; Omar Ibne Shahid (University of Dhaka); M.A.R. Ahad (University of Dhaka)
					268	Deep Convolutional Bidirectional LSTM for Complex Activity Recognition with Missing Data	Swapnil Sayan Saha (University of California - Los Angeles)*; Sandeep Singh Sandha (University of California - Los Angeles); Mani Srivastava (University of California - Los Angeles)
					269	Cooking Activity Recognition with Convolutional LSTM using Multi-label Loss Function and Majority Vote	Atsuhiro Fujii (Ritsumeikan University); Daiki Kajiwara (Ritsumeikan University); Kazuya Murao (Ritsumeikan University)*
					270	Let's not make it complicated - Using only LightGBM and Naive Bayes for macro and micro activity recognition from a small dataset	Ryoichi Kojima (KDDI Research, Inc.)*; Roberto Legaspi (KDDI Research, Inc.); Kiyohito Yoshihara (KDDI Research, Inc.); Shinya Wada (KDDI Research, Inc.)
					Question-Answer Session for Cooking Activity Challenge		
					Result: Cooking Activity Challenge		

			272	Summary of the Cooking Activity Recognition Challenge	Sayeda Shamma Alia (Kyushu Institute of Technology)*, Paula Lago (Kyushu Institute of Technology), Shingo Takeda (Kyushu Institute of Technology), Kohei Adachi (Kyushu Institute of Technology), Brahim Benaissa (Kyushu Institute of Technology), M.A.R. Ahad (University of Dhaka), and Sozo Inoue (Kyushu Institute of Technology)
	1705	**1730**	**Award & Closing Ceremony:** **Seiichi Serikawa**, Vice-President, Kyushu Institute of Technology; **Sozo Inoue**, Kyushu Institute of Technology; **Atsushi Inoue**, Amazon Web Service; **MAS Kamal**, Gunma University		