

Thursday, Dec. 7, 2023

Time	Room No.	Session ID / Session Chair	Paper ID	Paper Title	Authors (Affiliation)	
09:00-10:40	304	TM1, Kansei Engineering (Chair: Prof. Masataka Tokumaru(Kansai University, Japan))	0001	Onomatopoeia for Illustration Editing System	Hiroshi Takenouchi (Fukuoka Institute of Technology)*; Mako Chikita (Fukuoka Institute of Technology)	
			0014	Combining Kansei Retrieval and GAN to Foster Personalized Illustration Generation	Yuya Tsubokura (Kansai University)*; Emmanuel Ayedoun (Kansai University); Hiroshi Takenouchi (Fukuoka Institute of Technology); Masataka Tokumaru (Kansai University, Japan)	
			0065	Impact of Robot Appearance and Attitude Changes on Human Impressions: a Preliminary Study	Yuri Kanazawa (Kansai University)*; Emmanuel Ayedoun (Kansai University); Masataka Tokumaru (Kansai University, Japan)	
			0080	Enhancing Movie Discovery: A Serendipity-Driven Recommendation System based on Temporal Relevance of Color Features	Kaito Nagayasu (Kansai University)*; Emmanuel Ayedoun (Kansai University); Masataka Tokumaru (Kansai University, Japan)	
	305	TM2, Auto. Ship Nav. Sys. (Chair: Prof. Joo-sung Kim(Mokpo Nat'l Maritime Univ., Korea))	0054	Inverse Reinforcement Learning Procedure for Local Path Planning of Maritime Autonomous Surface Ships using Collision Cases based on Marine Investigation Report	Ho Namgung (Mokpo National Maritime University)*; Joo-sung Kim (Mokpo National Maritime University); DAUN JANG (MOKPO NATIONAL MARITIME UNIVERSITY); jin-suk Lee (Mokpo National Maritime University)	
			0055	A Ship's Path Finding Method using the Bidirectional RRT Algorithm based on the Customized Map Space in Coastal Waters	DAUN JANG (MOKPO NATIONAL MARITIME UNIVERSITY)*; Joo-sung Kim (Mokpo National Maritime University); Jin-Suk Lee (Mokpo National Maritime University); Ho Namgung (Mokpo National Maritime University)	
			0082	Probabilistic Ship Behavior Estimation Model in Ship Encounter Situations for Testing Collision Avoidance Systems of Autonomous Ships	taemin hwang (Mokpo national maritime university)*; Ik-Hyun Youn (Mokpo national maritime university)	
			0094	Clustering Individual Encounters of Collision Risk Situations for Autonomous Validation Scenarios	Tawoong Hwang (Mokpo National Maritime University)*; Ik-Hyun Youn (Mokpo National Maritime University)	
	306	TM3, Artificial Intelligence-1 (Chair: Prof. Ichiro Kobayashi(Ochanomizu Univ., Japan))	0003	Optical Remote Sensing Image Detection Method using Convolutional Neural Network and ASFF	Changman Zou (Kyungnam University); Wangsu Jeon (Kyungnam University)*; SangYong Rhee (Kyungnam University)	
			0011	Hard Voting-Based Long-Short Portfolio Generation with Machine Learning Techniques and Technical Indicators	Insu Choi (KAIST)*; Jaepil Choi (Woori Bank); Woohyuk Choi (Postech); Woo Chang Kim (KAIST)	
			0074	Validation of the accuracy of different denoising networks for caption generation using diffusion processes	Satoko Hlrano (Ochanomizu University)*; Ichiro kobayashi (ochanomizu university tokyo)	
			0075	Generating a Natural Language Sentence explaining Trends of Two Time-Series Data	Yukako Nakano (Ochanomizu University)*; Ichiro kobayashi (ochanomizu university tokyo)	
			0107	A Study on a Developmental Artificial Neural Networks that enables the Transfer of Multiple Functions	Haruka Iwai (Ochanomizu University)*; Ichiro kobayashi (ochanomizu university tokyo)	
	10:40-11:00			<b>Coffee Break</b>		
	11:00-12:20	304	TM4, Modeling & Pattern Recognition (Chair: Prof. Tadahiko Murata(Osaka Univ., Japan))	0035	Model Simulation of Physical Distance and Cultural Constraints in Maintaining Genetic Diversity	Reo Nagahara (Nihon University)*; Takashi Omori (Nihon University); Masahiko Osawa (Nihon University)
				0087	Street-Level Population Synthesis for China Considering Households with Elderly Residents	Jinxu Zhang (Kansai University); Tadahiko Murata (Osaka University, Japan)*
0007				A Study on Ensemble Classification Model Using Metric Learning for Wafer Map Classification in Semiconductor Manufacturing	Seima Sakaguchi (Mie University)*; Hiroharu Kawanaka (Mie University)	
0020				A Study on Attribute Judgment of Hand-Drawn Rhythm Lines in Movement Analysis	Yoshihiko Hirabayashi (Mie University)*; Yukari Sakiyama (Mukogawa Women's University); Hiroharu Kawanaka (Mie University); Takumi Kitajima (Mie University)	
305		TM5, Robotics & Vision-1 (Chair: Prof. SangYong Rhlee(Kyungnam Univ., Korea))	0010	A case study of the Introduction of a Self-study Room with a Teacher-type Robot into a Junior High School	Kohei Okawa (Aichi Prefectural University)*; Felix Jimenez (Aichi Prefectural University, Japan); Shuichi Akizuki (Chukyo University); Tomohiro Yoshikawa (Suzuka University of Medical Science)	
			0015	Impression Effect of a Robot Suggesting a Number of Problems on the Use of Politeness theory	Hiroki Kaede (Aichi Prefectural University)*; Felix Jimenez (Aichi Prefectural University, Japan); Tomoki Miyamoto (Graduate School of Informatics and Engineering, The University of Electro-Communications)	
			0057	Accurate Parking and Navigation System of AMR Using Marker Tracking Camera and Particle Filter-based Map Matching Technique	Oh Jun Seok ( Kyungpook National University)*; Kim Min Young (Kyungpook National University); Lee Seung Jun (DGIST); Tae Hwan Kim (YeungNamUniversity); Hyunki Lee (DGIST)	
306		TM6, Soft Computing & App. (Chair: HyunKi Lee(DGIST, Korea))	0046	Graph Convolutional Neural Network in Genetic Algorithms for Constrained Optimization	Kohei Fujita (Kansai University); Yeboon Yun (Kansai University)*; Min Yoon (Pukyong National University)	
			0083	Collaborative Filtering Based on Rough Set C-Means Clustering with Noise Rejection Mechanism	Seiki Ubukata (Osaka Metropolitan University)*; Ryoga Hayashi (Osaka Metropolitan University); Katsuhiro Honda (Osaka Metropolitan University)	
			0105	Discrimination of Signals with Eigenvalue Distribution of Large Covariance Matrix	Masaaki Ida (National Institution for Academic Degrees and Quality Enhancement of Higher Education)*	
			0088	Analysis of possible security vulnerabilities in autonomous ships	Jong-Do Kim (Dongseo University), YoungSil Lee (Dongseo University)	

12:20-13:20				<b>Lunch</b>	
13:20-13:30	304-306			<b>Opening Address, General Chair: Professor Jung Sik Jeong, Mokpo National Maritime University)</b>	
				<b>Congratulatory Address, Kwang-Hyung Lee, President of KAIST, Korea)</b> (Chair: Prof. Jin-Woo Jung (Dongguk Univ., Korea))	
13:30-15:00	304-306			<b>Plenary Talk I</b>	
				<b>Professor Byoung-Tak Zhang, Seoul National University</b> (Chair: Prof. Jin-Woo Jung(Dongguk Univ., Korea))	
15:00-15:20				<b>Coffee Break</b>	
15:20-16:40	304	TA1, Intelli. Sys. using ML (Chair: Prof. Yong-Tae Kim(Hankyong Nat'l Univ., Korea))	0017	Self-Interactive Attention Networks via Factorization Machines for Click-Through Rate Prediction	Dongjun Lee (Sungkyunkwan University)*; Hyunsung Lee (Kakao Corporation); Jaekwang KIM (Sungkyunkwan University)
			0047	SNN-based Tool Diagnosis Method for CNC Machine using Bi-directional Selection	Jin Yong Kim (Pusan National University); Eun Kyeong Kim (Pusan National University); Seunghwan Jung (Pusan National University); Sungshin Kim (Pusan National University)*
			0109	Study on 6D Pose Estimation of Fruit and Ripeness-based Harvest Ordering Using Deep Learning	Hyun-Jung Hwang (Hankyong National University)*; minhong Park (Hankyong National University); Yong-Tae Kim (Hankyong National University)
			0110	A Study on the Tangerine Harvesting Algorithm Using Articulated Robot Manipulator	Jaewoong Han (Hankyong National University)*; Jae Hoon Cho (Hankyong National University); Yong-Tae Kim (Hankyong National University)
	305	TA2, Fuzzy Math. (Chair: Prof. Jin Hee Yoon(Sejong Univ., Korea))	0004	Bootstrapping fuzzy mediation analysis	Jin Hee Yoon (Sejong University)*; Da Jeong Kang(Sejong University), Hyeon Gu Kang(Sejong University)
			0027	A Fuzzy Statistical Model of Flight Crew Safety Behavior	Seung Hoe Choi (Korea Aerospace University)*; Hyeon-deok Kim (Korea Aerospace University); Ji-hun Choi (Jin Air); Shin Hong Min (Jin Air)
			0112	Fuzzy Indices for Financial Crisis as Early Warning Systems	Jin Hee Yoon (Sejong University)*; Yoo Young Koo (Yonsei University); Won Kyung Lee (Sejong University); Dea Jong Kim (Sejong University)
	306	TA3, Signal Proc. & Comm. for Robots-I (Chair: Prof. Hong Gi Yeom(Chosun Univ., Korea))	0050	AIC & MDL Techniques for Estimating the Number of Signals in a Specific Range based on Uniform Circular Array Antenna	Heui-Seon Park (Chosun University); Suk-seung Hwang (Chosun University)*
			0073	Formation control with obstacle avoidance for ball-balancing robots	Hyo-Geon Jang (Kongju national university); Chang-Ho Hyun (Kongju National University); Bong Seok Park (Kongju National University)*
			0102	Validate the Performance of a Lightweight Convolutional Neural Network Model with Pre-trained Model	Jongin Kim (KOPTI)*; JungHyun Kim (KOPTI); HyunSun Park (KOPTI); HyunGi Kim (KOPTI)
			0116	Multi-Functional Brain Computer Interface through simultaneous prediction of multiple intentions	woosung choi (Chosun university)*; Hong Gi Yeom (Chosun University)
	301	TA4, Robotics & Vision-2 (Chair: Prof. Kenji Kimura(National Institute of Technology, Matsue College, Japan)	0069	An Inverse Kinematics and Analysis of a Sphere with Three Omni Rollers	kenji kimura ( National Institute of Technology, Matsue College)*, kazuo ishii (Kyushu Institute of Technology)
			0070	Verification of Sphere Rotational Motion Using Three Omni-Rollers with Encoders	kenji kimura ( National Institute of Technology, Matsue College)*, kazuo ishii (Kyushu Institute of Technology)
			0079	The behavior of college students looking a robot in a tight spot	Kotomi Narita (Aichi Prefectural University)*; Felix Jimenez (Aichi Prefectural University, Japan); Masayoshi Kanoh (Chukyo University)
			0108	Cooperative Principle in Cybernetic Avatar: Guideline for Merging Teleoperation with Multiple Users	Hiroataka Osawa (University of Tsukuba)*; Taichi Sono (Keio University)
	Hall Way	TPS1 (Chair: Prof. Jin-Woo Jung(Dongguk Univ., Korea))	0072	Cost-Effective 3D Orientation Visualization for Working Class Remotely Operated Vehicle (ROV)	Mohammad `Afif bin Kasno (UTeM)*; Mohammad `Afif Kasno (UTeM); Jin-Woo Jung (Dongguk University)
0117			Development of Maritime Navigational Application Using Raw Measurements from Smart Devices	Kiyeol Seo (KRISO)*	
0118			An Analysis of International Organization Standardization for Meter-Level Positioning Accuracy Services in Maritime	Sang Hyun PARK (Korea Research Institute of Ships and Ocean Engineering)*	
0119			An Analysis of Technical Guideline for High Accuracy Positioning Services in Maritime	Sang Hyun PARK (Korea Research Institute of Ships and Ocean Engineering)*	
0121			Precise Positioning Service Status for Maritime in Asia Area	Sang Hyun PARK (Korea Research Institute of Ships and Ocean Engineering)*; Sul Gee Park (Korea Research Institute of Ships and Ocean Engineering)	
0085			A Study on the Vehicle Taillight Recognition through the Classification of Individual Taillights Based on the C3D	SeungHyun Woo (Dongguk University); Yunsik Son (Dongguk University)*	
0090	A Study on Robust Pedestrian Trajectory Prediction	Hyeonjin Jeon (Dongguk University)*; Nnubia Nnamdi Pascal (Dongguk University); Yunsik Son (Dongguk University)			

			<b>0095</b>	A Study on Mechanization, Data, and Insurance Challenges for Agriculture Based on Hyperledger Fabric	Zhihua Hu (Dongguk University); Junho Jeong (Dongguk University)*
			<b>0099</b>	Attribute-guided person re-identification method robust to low-resolution drone footage	Sunhyu Kim (Dongguk University); Junho Jeong (Dongguk University)*
			<b>0013</b>	Path Prediction for Fishing Boats using deep learning	Sang-Lok Yoo (Future Ocean IT)*; kwang-il kim (jeju national university); Jung Sik JEONG (Mokpo National Maritime University)
<b>16:40-16:50</b>				<b>Coffee Break</b>	
<b>16:50-18:10</b>	<b>304</b>	<b>TA5</b> , Artificial Intelligence-2 (Chair: Prof. Tae-yun Kim(Chosun University., Korea))	<b>0026</b>	MS-STDC: A Multi-Scale Short-Term Dense Concatenate Network for Semantic Segmentation	Yujeong Shin (Hanbat National University)*; Mooseop Kim (Electronics and Telecommunications Research Institute); Chi Yoon Jeong (Electronics and Telecommunications Research Institute)
			<b>0056</b>	Prediction lithium-ion batteries of remaining useful life using deep-learning network requiring low computation	Eunseo Lee (Chonnam national university); Gwiman Bak (Chonnam national university)*; Youngchul Bae (Chonnam national university)
			<b>0061</b>	Correlation between optimizer, learning rate, and batch size for brain tumor prediction when small dataset	heesoo ryoo (chosun university)*
			<b>0064</b>	Prediction of encoded file size applying CRF using deep-learning network	Gwiman Bak (Chonnam national university)*; Eunseo Lee (Chonnam national university); Hankaram Choi (Chonnam National University); Youngchul Bae (Chonnam National University)
	<b>305</b>	<b>TA6</b> , Intelligent Systems (Chair: Prof. Myung-Mook Han(Gachon Univ., Korea))	<b>0068</b>	Dark web author identification: author similarity analysis using Authorship Attribution and Topic Modeling	Gun-Yoon SHIN (Gachon University)*; Myung-Mook Han (Gachon University)
			<b>0071</b>	Toward Natural Human-Robot Interaction: A Dialogue Management Model for Modulating Social Dialogue Distance	Akira Inaba (Kansai University)*; Emmanuel Ayedoun (Kansai University); Masataka Tokumaru (Kansai University, Japan)
	<b>306</b>	<b>TA7</b> , Signal Proc. & Comm. for Robots-II (Chair: Prof. Jiyoun Moon(Chosun Univ., Korea))	<b>0051</b>	Application of GoogLeNet to automate contact lens defect detection	tae-yun Kim (chosun university); Ho-Joong Kim (Chosun University); Suk-seung Hwang (Chosun University)*
			<b>0120</b>	Design and Implementation of Middleware Platform for Real-Time Monitoring of Vital Body Signs in Mobile Application	Raghavendra Ganiga (Chosun University); Youngwoo Oh (Chosun University); Wooyeol Choi (Chosun University)*
			<b>0125</b>	Information Sharing System for Panoptic Segmentation Utilization	Seungmin Song (chosun university ); Jiyoun Moon (Chosun University)*
			<b>0132</b>	Frequency Tracking with Presence of Data Missing	Sung Sing (Chosun University)*
	<b>301</b>	<b>TA8</b> , Generative AI and Law (Chair: Prof. Jung-Sook Kim(Kimpo Univ., Korea))	<b>0066</b>	The Study on data collection and processing techniques for learning activities with xAPI Tech. consistency, platform resource and AI analysis	Jang-Young Chung (KT(korea Telecom))*
			<b>0067</b>	Study on Security for Protecting Metadata and Learning Privacy	Jang-Young Chung (KT(korea Telecom))*
			<b>0126</b>	Design of Context-specific Privacy Protection System for Generative AI	Jung-Sook Kim (Kimpo University)*
			<b>0127</b>	Design of Automatic Task Prompt Creation System for Manufacturing	Jung-Sook Kim (Kimpo University)*
	<b>Hall Way</b>	<b>TPS2</b> (Chair: Prof. Hong Gi Yeom(Chosun Univ., Korea))		Whatever you want	Jungwook Myung, Gunwoo Baek, Taehoon Cha, Kyu Choi, Yeechan Choi, Junghoon Chae, Junhong Choi, Yongsoo Lee
				S.O.S (Sphere Of Savior)	Seungmin Oh, Hanho Son, Junghoon Jung, Hyunbin Moon
				Mobile Automatic Humidity Controller Using Line Tracing	Yoonseong Lee, Kihyuk Nam, Gunhee Moon, Jinseo Park
				Unmanned Aerial Vehicles using AI	Donghyun Nam, Kim Jung Chan, Shin Sung Hyun, Yoon Tae Kyung, Jung Jae Min, Kim Bum Mo, Jang Chang Soo, Cho Hyun Woo
				Smart Window	Lee A-Young, Moon Soo-Yeon, Jung Min-Ji, Choi Joong-Ho, Choi Yeon-Woo, Yeo Yeomin
				Your own teacher using ChatGPT and TTS service	Junghyun Kim

Friday, Dec. 8, 2023

Time	Room No.	Session ID / Session Chair	Paper ID	Paper Title	Authors (Affiliation)	
09:20-10:40	304-306			<b>Plenary Talk II</b> , Prof. Daniel D.Lee, Cornell University, USA, Chair: Prof. Young-Jae Ryoo (Mokpo Nat'l Univ., Korea)		
10:40-11:00				<b>Coffee Break</b>		
11:00-12:20	304-306			<b>Plenary Talk III</b> , Prof. Ichiro Kobayashi, Ochanomizu University, Japan, Chair: Prof. Yusuke Nojima(Osaka Metropolitan Univ., Japan)		
12:20-13:20				<b>Lunch</b>		
13:20-15:00	304	<b>FA1</b> , Smart Water Management (Chair: Dr. Hohyun Lee, (K-water, Korea))	0060	Development of Dam Defect Detection Platform based on AI	Hyeonseong Choi (DeepInspection)*; Hohyun Lee (K-water Institute); Taehee Koo (DeepInspection); Cheolhee Lee (DeepInspection)	
			0086	A Design of an AI Platform customized for water supply facilities	DAEWOOK KIM (K-water)*; KiSung Ryu (K-water); RaeGeun Kang (K-water); DongGi Shin (K-water)	
			0122	Explanation and optimization of water treatment plant coagulant dosing determination using XAI(Explainable Artificial Intelligence)	Honggeun Park (K-water)*	
			0131	AI Simulation Based on Flocculation Algorithm Analysis in Water Treatment Process	JaeGyo Jang (K-water); HeeJin Chung (K-water); SungYun Kim (K-water); hohyun lee (K-water)*	
	305	<b>FA2</b> , App. of AI/IoT for Social Security (Chair: Prof. Yasutoshi Nomura(Ritsumeikan Univ., Japan))	0024	Investigating generalisation performance in the extraction of steep slope warning areas using deep learning.	Rena Tani (Kansai University)*	
			0033	Road Surface Temperature Prediction Based on Neural Network Utilizing Disaster Prevention Weather Information and IoT Sensors	Gichang SUNG (Ritsumeikan University Graduate School)*; Yasutoshi NOMURA (Ritsumeikan University)	
			0045	Neural network-based study on short-term prediction of local rainfall	Chisa Murata (Ritsumeikan university)*; Yasutoshi NOMURA (Ritsumeikan University)	
			0123	Management of civil infrastructures using XR technology	Hisao Emoto (Tottori University)*; Kei Kawamura (Yamaguchi University); Shin-ichi Kanazawa (Niigata University); Takao Ota (Tottori University)	
			0124	Study on Generation and Utilization of Open Data for Infrastructure Management	YiMing Su (Yamaguchi University)*; YinYongDong Ma (Yamaguchi University); Kei Kawamura (Yamaguchi University); Shuji SAWAMURA (Yamaguchi Prefecture Government); Hisao Emoto (Tottori University)	
	306	<b>FA3</b> , Brain Sci. & Data Mining (Chair: Prof. Ichiro Kobayashi(Ochanomizu Univ., Japan))	0037	Spatiotemporal Brain Activities by Use of EEGs on Image Recognition of Tetrapod Animals	Takahiro Yamanoi (Hokkaido University)*	
			0100	Localization and Representation of Visual and Language Information in the Human Brain	Haruka Kawasaki (Ochanomizu University)*; Satoshi Nishida (Center for Information and Neural Networks (CiNet), National Institute of Information and Communications Technology); Ichiro kobayashi (ochanomizu university tokyo)	
			0023	Considerations on user evaluation of communication toy robots	Hiroimi Ban (Sanjo City University)*	
			0036	Heterogeneous Co-occurrence Embedding via Mutual Information Maximization	Takuro Ishida (Fukuoka Institute of Technology)*; Keisuke Yoneda (Sojo University); Tetsuo Furukawa (Kyushu Institute of Technology)	
	301	<b>FA4</b> , AI in Medicine-2 (Chair: Prof. Zong Woo Geem (Gachon Univ., Korea))	0049	Automatic Classification of Sleep-wake States of Newborns Using Automatically Extracted Facial Regions	Yuki Ito (Mie University)*; Kento Morita (Mie University); Tetsushi Wakabayashi (Mie University); Shinkoda Harumi (Fukuoka Jo Gakuin Nursing University); Matsumoto Asami (Suzuka University of Medical Science)	
			0062	Pre-operative Parametrial Invasion Estimation Using T1 and T2 Weighted MRI and Radiomics Feature	Yukina Nishigaki (Mie University)*; Kento Morita (Mie University); Kenta Yoshida (Mie University Hospital); Eiji Kondo (Mie University Hospital); Tetsushi Wakabayashi (Mie University)	
			0077	Prognosis Prediction for Osteoradionecrosis of the Jaw Using Pretreatment CT and Radiotherapy Dose Distribution	Yudai Tanaka (Mie university)*; Kento Morita (Mie University); Hikaru Kubota (Ehime University, Kobe University); Ryuichi Yada (Kobe University, Hamamatsu University School of Medicine); Daisuke Miyawaki (Kobe University); Ryohei Sasaki (Kobe University); Tetsushi Wakabayashi (Mie University)	
			0111	Retrieval Augmented Generation-based Medical Question-Answering Large language Model	Keon Myung Lee (Chungbuk National University)*	
	15:00-15:20				<b>Coffee Break</b>	
	304	<b>FA5</b> , Intelli. control & sys. (Chair: Prof. Chen-Chia Chuang(Nat'l iLan Univ., Taiwan))	0016	Reinforcement Learning-based Taiwan Drinking Game Model	Chia-Wen Chang (Department of Information and Telecommunications Engineering, Ming Chuan University)*; Chin-Wang Tao (Department of Electrical Engineering National Ilan University)	
			0039	The predicting Models of pedestrian flow in Taipei MRT system	Song-Shying Chen (National Formosa University); Chen-Chia Chuang (National iLan University, Taiwan)*	
0053			Interval Robust Granular Computing with Hausdorff Distance Measure for the Clustering of Noise Symbolic Data	Jin-Tsong Jeng (Department of Information Engineering, National Formosa university, Taiwan, ROC)*; Chen-Chia Chuang (National iLan University, Taiwan)		
0044			Effects of Partner Robots Playing Programming Educational Board Games Together on Beginning Programming Students	Tomoki Inoue (Aichi Prefectural University)*; Felix Jimenez (Aichi Prefectural University, Japan); Mamoru Onuki (Aichi Prefectural University)		
0063			Fusion of Soft Computing and Fuzzy Neural Network to Real-Time Motion Control of Autonomous Mobile Robots	Prof. Hsu-Chih Huang (National Ilan University)*		

15:20-16:40			0076	Safety Monitoring Framework with Mobile Robot in the Industrial Site	Kyeong-Jin Joo (Sungkyunkwan University)*; Jung-Won Pyo (SungKyunKwan University); Eun-Jin Kim (SungKyunKwan University); Jun-Hyun Choi (SungKyunKwan University); Ye-Chan An (SungKyunKwan University); Arpan Ghosh (SungKyunKwan University); Taeyong Kuc (Sungkyunkwan University)	
	305	FA6, Deep Learning & Neuro-Fuzzy Sys. (Chair: Prof. Jee-Hyong Lee(Sungkyunkwan Univ., Korea))	0059	Robust ANFIS Classifier Based on Noise Fuzzy Clustering with Softmax Normalization	Koki Kitamori (Osaka Metropolitan University); Katsuhiro Honda (Osaka Metropolitan University)*; Seiki Ubukata (Osaka Metropolitan University); Akira Notsu (Osaka Metropolitan University)	
			0009	TF-EDA: Efficient and Effective Text Data Augmentation	Ho-Seung Kim (sungkyunkwan university)*; Jee-Hyong Lee (Sungkyunkwan University); Han Beul Kim (sungkyunkwan university)	
			0018	Prediction of biological information from thermographic images and proposal of health management system	Chen JunYu (Kansai University)*	
			0096	Parsing with Tree Structure Self-attention Mechanism	Momoka Narita (Ochanomizu University)*; Daichi Mochihashi (Institute of Statistical Mathematics); Ichiro Kobayashi (ochanomizu university tokyo)	
	306	FA7, Evolutionary Computing (Chair: Prof. Yusuke Nojima(Osaka Metropolitan Univ., Japan))	0104	Introduction to Excel-based Optimization Solver using Harmony Search	Zong Woo Geem (Gachon University)*	
			0114	Riesz s-energy Indicators for Diversity Assessment of Multiobjective Evolutionary Algorithms	Takato Kinoshita (Osaka Metropolitan University); Naoki Masuyama (Osaka Metropolitan University)*; Yusuke Nojima (Osaka Metropolitan University)	
			0115	Effects of Parent Selection Schemes on the Search Performance of Multi-modal Multi-objective Evolutionary Algorithm with Problem Transformation into Two-objective Subproblems	Yusuke Nojima (Osaka Metropolitan University)*; Teruhiko Tokusaka (Osaka Metropolitan University); Naoki Masuyama (Osaka Metropolitan University)	
			0103	Encouraging important regions for multi-label classification	Chan Sik Han (Chungbuk National University)*; HyungWon Kim (Chungbuk National University); Keon Myung Lee (Chungbuk National University)	
16:40-18:00				Free Time		
18:00-20:00				Banquet (3F, Convention Hall 1, Hollyday Inn Gwangju)		

Saturday, Dec. 9, 2023

Time	Room No.	Session ID / Session Chair	Paper ID	Paper Title	Authors (Affiliation)
09:00-10:40	304	SM1, Intelli. Sys. for Smart Agri. Robot. (Chair: Prof. Young-Jae Ryoo(Mokpo Nat'l Univ., Korea))	0052	Robot Manipulator Control for Pruning of Sweet Pepper Leaves Based on ROS and MoveIt	Young-Jae Ryoo (Mokpo National University)*; Truong Thi Huong Giang (Mokpo National University)
			0092	A Simple Method for Bringing the Mobile Platform of Agricultural Robots to a Halt at Target Positions on Smart Farm Rail	Hyung-Gon Lee (GIST)*; Seung-Hwan Yang (Korea Institute of Industrial Technology); Chan-Young Ju (Korea Institute of Industrial Technology); Hyo-Sung Ahn (Gwangju Institute of Science and Technology)
			0093	Power line detection and distance estimation for collision avoidance of autonomous mobile robot	Hyun-Sik Son (Korea Institute of Industrial Technology)*; Deok-Keun Kim (Korea Institute of Industrial Technology); Seung-Hwan Yang (Korea Institute of Industrial Technology)
			0113	Development of supplemental lighting method with integral light and a paprika coloring model	Hee Woong Goo (Mokpo National University)*; Kyoung Sub Park (Mokpo Nation University)
			0128	Improving data-driven noise classifiers for stereoscopic image-based insect tracking	Shinji Fukuda (Tokyo University of Agriculture and Technology)*; Koji Nishisue (Tokyo University of Agriculture and Technology); Ryo Sugiura (NARO); Kazuki Shibuya (NARO); Ryo Nakano (NARO)
	305	SM2, AI in Medicine-1 (Chair: Prof. Syoji Kobashi (University of Hyogo, Japan))	0008	Teeth detection and numbering method in dental panoramic X-ray images using YOLOv7	MD. ANAS ALI (Jashore University of Science and Technology); Daisuke FUJITA (University of Hyogo)*; Syoji Kobashi (University of Hyogo)
			0029	Comparison of U-Net Backbones on Segmenting Gas and Stool Regions from Abdominal X-Ray Images	Naoya Takashima (University of Hyogo); Daisuke FUJITA (University of Hyogo); Syoji Kobashi (University of Hyogo)*
			0030	Interpretability of ESWL Outcome Prediction Model and Feature Selection Using SHAP values	Soya Kobayashi (University of Hyogo); Daisuke FUJITA (University of Hyogo)*; Syoji Kobashi (University of Hyogo)
			0034	Pulmonary disease diagnosis from CXR using deep learning	Mehmudul Islam (Independent University, Bangladesh); Saadia Binte Alam (Independent University, Bangladesh)*; Mahmudul Haque (Independent University, Bangladesh); Rubaiyat Islam (Independent University, Bangladesh); Rashedur Rahman (University of Hyogo)
	306	SM3, HCI & Interface (Chair: Prof. Jinseok Woo(Tokyo University of Technology, Japan))	0019	Impact of Linguistic Ambiguity in Agent Interventions on User Acceptability and Future Contact	Kayo Kikuchi (Nihon University)*; Satoko Fukuda (Nihon University); Ryoichi Nakashima (Kyoto University); Masahiko Osawa (Nihon University)
			0021	Influence of Agent Embodiment on Interaction in Product Recommendation	Ryosuke Kawashima (Nihon University)*; Saya Todome (Nihon University); Kohei Okuoka (Nihon University); Takuya Iwamoto (CyberAgent, Inc. AI Lab); Jun Baba (CyberAgent, Inc.); Daisuke Endo (CyberAgent, Inc.); Akihiro Miyata (Nihon University); Masahiko Osawa (Nihon University)
			0097	Designing an Interactive Robot Interface for a User-friendly Information Support System	Yuka Sone (Tokyo University of Technology)*; Jinseok Woo (Tokyo University of Technology); Yasuhiro Ohyama (Tokyo University of Technology)
0098			Proposal of a Human-centric Robot Character Design Support System	Kyoka Abe (Tokyo University of Technology)*; Jinseok Woo (Tokyo University of Technology); Yasuhiro Ohyama (Tokyo University of Technology)	
10:40-11:00			Coffee Break		
11:00-12:20	304	SM4, Artificial Intelligence-3 (Chair: Prof. Jin-Woo Jung(Dongguk Univ., Korea))	0089	Multi-class Segmentation of Panoramic X-ray Dental Images Using a Hybrid ResNet50-U-Net Model	Muhammad Afnan Ghafoor (Chosun University)*; Bumshik Lee (Chosun University)
			0091	Speech Emotion Recognition Based on Transfer Learning with Convolutional Neural Network from Korean Speech Information	Seo Hyun Kim (Chosun University)*; A-Hyeon Jo (Chosun University); Keun-Chang Kwak (Chosun University)
			0129	An End-to-End Question Answering System for Intelligent Game Play Support.	TaeWook Ham (Dongguk University)*; Jihie Kim (Dongguk University)
			0130	Multi-Modal Posture Estimation	Eu-Tteum Baek (Honam Univ.)*; Yoon Hye Seong (Honam Univ.); Gyeongmin Jang (Honam Univ.)
	305	SM5, AI in Medicine-3 (Chair: Prof. Daisuke Fujita(Univ. of Hyogo, Japan))	0084	Gait Quality Assessment for Cerebral Palsy Using Variational Auto-Encoder Model	Ginga Sumi (Mie University)*; Hiroharu Kawanaka (Mie University)
			0078	A Preliminary Study on a Sheet-Type Self-Exubation Detection Device	Yamato Muroi (University of Hyogo)*; Daisuke FUJITA (University of Hyogo); Syoji Kobashi (University of Hyogo); Takayuki Fujita (University of Hyogo)
			0106	Detection of Osteochondritis Dissecans from Ultrasound Images by Ensemble Deep Learning	Kenta Sasaki (Graduate School of Engineering University of Hyogo)*; Daisuke FUJITA (University of Hyogo); Syoji Kobashi (University of Hyogo)
			0040	Deep Learning Approach for Early Detection and Prediction of Chronic Lung Disease in Neonates Chest X-ray Images	Ryunosuke Maeda (University of Hyogo)*; Daisuke FUJITA (University of Hyogo); Syoji Kobashi (University of Hyogo)
	306	SM6, Cognitive Science (Chair: Prof. Masahiko Osawa(Nihon Univ., Japan))	0022	Experimental Validation of BDI Model-Based Mind Model of Other for Values Estimation	Masaki Abe (Nihon University)*; Takashi Omori (Nihon University); Masahiko Osawa (Nihon University)
			0041	Interaction Design of LEHU-ITACO agent that Meets Expectations through Contingency	Masaya Uchimura (Nihon University)*; Takashi Omori (Nihon University); Masahiko Osawa (Nihon University)
			0048	Chaotic Behavior of Consciousness and Unconsciousness States of Fuzzy Conflict Model Based on Complex Fuzzy Numbers	Jin Hee Yoon (Sejong University)*; Youngchul Bae (Chonnam National University)
			0101	Impact on sense of agency of work sharing when multiple people successfully collaborate with constrained work content	Taichi Sono (Keio University)*; Hirotaka Osawa (Keio University)