

7th International Conference on Imaging, Vision & Pattern Recognition (IVPR)

&

12th International Conference on Informatics, Electronics & Vision (ICIEV)

Conference Program

Japan time: Time Zone Converter: <https://www.timeanddate.com/worldclock/converter.html>

Presentation: 10 min (QA session will be held at the end as a Panel with all presenters)

Online link: If you join online, you **AGREE** that recorded videos/images will be shared in social media,

YouTube, etc. Microsoft Teams: [https://teams.microsoft.com/l/meetup-](https://teams.microsoft.com/l/meetup-join/19%3ameeting_N2M5ZTBjOTYtZjRjYy00NWJhLTNmMTctOWRhZjVhZDk4ZjNj%40thread.v2/0?context=%7b%22Tid%22%3a%22dbf986a9-f2c7-4701-88ce-463dec76cba4%22%2c%22Oid%22%3a%22ff0d8d9c-22c3-4044-81c8-417104499d86%22%7d)

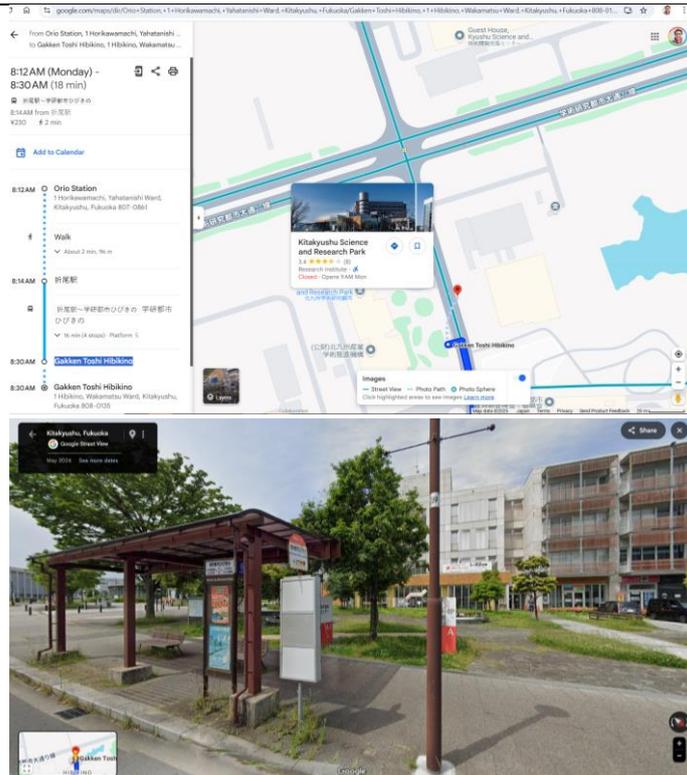
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Day 1: 26 May	Day 1 Venue: Wakamatsu / Hibikino campus, Kyushu Institute of Tech.; Conference Room 1, 2nd floor Kitakyushu Science and Research Park (KSRP) - Same building of ODORIVA. Kitakyushu Science and Research Park, Collaboration Center (1st Floor) 2-1 Hibikino, Wakamatsu-ku, Kitakyushu, Fukuoka, 808-0135, Japan Route: JR Orio station, then bus to Gakken Toshi Hibikino / Wakamatsu Campus (Kyushu Institute of Technology / KyuKouDai)
Detailed instruction on bus route to the venue for Day1 is: http://cennser.org/ICIEV/hibikino.pdf You may find the following Japanese words on the bus. 学研都市ひびきの 学術研究都市 In short, exit JR ORIO station → Platform 5 (or you may take Taxi – ~JPY1600) for “Gakken Toshi Hibikino” 	



See the BUS Stop and behind the yellow-whitish building.

Conference Room 1, 2nd floor Kitakyushu Science and Research Park (KSRP) - Same building of ODORIVA.

08:00	Registration on the First day
09:00	<p>Welcome Message:</p> <p>Prof. Sozo Inoue, Kyushu Institute of Tech., Japan</p> <p>Dr. M. A. S. Kamal, General Chair, SMIEEE, Gunma Univ., Japan</p>
09:10	<p>Workshop 1:</p> <p>Live Demo and Tutorial on Human-Centered AI with FonLog</p> <p>Organizer:</p> <p>Christina Garcia (Kyushu Institute of Tech.)</p> <p>Sozo Inoue (Kyushu Institute of Tech.)</p> <p>Fonlog Introduction and Demo</p> <p>Forecasting Parkinson's Disease Wearing-off</p> <p>Dr. John Noel Victorino, Chief Technology Officer @ SolX Technologies Inc.</p> <p>Optimizing Forecasted Activity Notifications with Reinforcement Learning</p> <p>Dr. Muhammed Fikry, Universitas Malikussaleh</p> <p>Improved Evaluation Metrics for Sentence Suggestions in Nursing and Elderly Care Record Applications</p> <p>Dr. Defry Hamdhana, Universitas Malikussaleh</p> <p>Analysis of Care Records for Predicting Urination Times</p> <p>Haru Kaneko, PhD D3, Kyushu Institute of Technology</p> <p>Large Language Models for Generating Semantic Nursing Activity Logs: Exploiting Temporal and Contextual Information</p> <p>Nazmun Nahid, PhD D3, Kyushu Institute of Technology</p> <p>Predicting and Analyzing Emotion of Elderly People in Care Facilities</p> <p>Min Xinyi, PhD D2, Kyushu Institute of Technology</p> <p>Extraction and Summarization from Visiting Nurse Transcriptions Using Improved Prompt</p>

	<p>Techniques Milyun Ni'ma Shoumi, PhD D2, Kyushu Institute of Technology</p> <p>Toward Detecting and Explaining Stress of Nurses Elsen Ronando, PhD D2, Kyushu Institute of Technology</p> <p>Relabeling for Indoor Localization in Nursing Care Facility Dr. Christina Garcia, Assistant Professor, Care XDX Center, Kyushu Institute of Technology</p> <p>Feedback Session End of Workshop</p>
10:20	<p>Invited Session 1: Session Chair: Tahera Hossain, Nagoya University, Japan Keynote Speech 1: Syoji Kobashi, University of Hyogo, Japan Invited Industry Talk 1: Ahmed Boudissa, TomTom N.V., The Netherlands</p>
11:20	Coffee break then Kitakyushu Science and Research Park (KSRP) Tour
11:20	<p>Workshop 2: Kitakyushu Science and Research Park (KSRP) Tour and Domestic Service Robot https://www.brain.kyutech.ac.jp/~hma/ws-os-iciev2025/ Organizer: Hakaru Tamukoh (Kyushu Institute of Tech.) Yuichiro Tanaka (Kyushu Institute of Tech.) Akinobu Mizutani (Kyushu Institute of Tech.)</p>
11:20	Tour to Kitakyushu Science and Research Park (KSRP)
12:30	<p>Online Technical Session S-A: (For Overseas Participants only due to visa issues) Session Chair: ASM Bakibillah (Institute of Science Tokyo)</p> <p>Paper ID: 3, Title: IntegraDenoNet: A Deep Learning Based Single Cell Multiomics Integration and Cell Type Identification Authors: Md.Shaharia Hossen (United International Univ.); Sakib Mahmood Saad (United International Univ.); Maria Akter Rimi (United International Univ.); Marin Akter (United International Univ.); Fahim Hafiz (United International Univ.); Riasat Azim (United International Univ.)*</p> <p>Paper ID: 17, Title: Fast and Cost-Aware Workload Prediction for Accurate Auto-scaling Using Knowledge Distillation. Authors: Sharmen Akhter (Kyung Hee Univ.)*; Eui-Nam Huh (Kyung Hee Univ.)</p> <p>Paper ID: 44, Title: Data-Driven Diagnosis: Feature Engineering and Hyperparameter Tuning for Imbalanced Cardiovascular Disease Classification Authors: Ankon Karmokar (Jagannath Univ.); Md. Manowarul Islam (Jagannath Univ.)*; Arnisha Akhter (Jagannath Univ.); Uzzal Acharjee (Jagannath Univ.)</p> <p>Paper ID: 64, Title: Machine Learning Insights into Gasoline Vehicle Ownership Patterns in the United States: The Role of Sociodemographic Factors Authors: Mahbub Hassan (Universiti Malaysia Perlis (UniMAP))*; Saikat Sarkar Shraban (Shahjalal Univ. of Science and Technology); Md Abdus Samad Kamal (Gunma Univ.)</p>
12:30	Lunch Break (You can visit the Cafeteria / Coop next to the venue)
14:00	<p>Workshop 2: (Continue) Workshop on domestic service robots</p>
16:00	Coffee break and Robot demonstration
16:30	Discussion on future robots
17:30	Outcome presentation and further discussion
18:00	Welcome Reception
Day 2: 27 May	<p>Venue (Day 2-4): Kitakyushu International Convention Center, Kokura, Kitakyushu-city, Fukuoka, Japan</p>

<https://g.co/kgs/1QMoSmo>



08:15	Registration and Breakfast
09:00	Invited Session 2 Session Chair: Kou Yamada (Gunma Univ.)
09:00	Keynote Speech 2: Mohammad Abu Yousuf (Vice-Chancellor, Gazipur Digital Univ., Bangladesh)
09:35	Invited Talk 2: Takahiro Ueno, Fukuyama Univ., Japan
10:00	Technical Session S-1 (Onsite only): Session Chair: Tomohiro Shibata (Kyushu Institute of Tech.) Paper ID: 23, Title: Modeling Fuel Consumption Behavior from Driving Activity and Vehicle Motion Data Using Machine Learning Authors: Nur Husnina Asyura Binti Meزالan (Gunma Univ.)*; Cho Eika (Gunma Univ.); Nusrath Tabassum (Gunma Univ.); Md Abdus Samad Kamal (Gunma Univ.); Yamada Kou (Gunma Univ.) Paper ID: 32, Title: Analysis of the changes in the attitude of the news comments caused by knowing that the comments were generated by a large language model Authors: Nanase Mogi (Kansai Univ.)*; Megumi Yasuo (Ritsumeikan Univ.); Yutaka Morino (Kansai Univ.); Mitsunori Matsushita (Kansai Univ.) Paper ID: 37, Title: Multimodal Foundation Model for Cross-Modal Retrieval and Activity Recognition Tasks Authors: Koki Matsuishi (Kyushu Institute of Tech.); Kosuke Ukita (Kyushu Institute of Tech.); Tsuyoshi Okita (Kyushu Institute of Tech.) Paper ID: 45, Title: Quantum computation as trajectory monitoring requires only one qubit in answer register in quantum phase estimation Authors: Teturo Itami (Univ. of Hyogo)*; Nobuyuki Matsui (Univ. of Hyogo); Tejiro Isokawa (Univ. of Hyogo) Paper ID: 20, Title: An Ensemble Approach to Named Entity Recognition for Bangla-English Code-Switched Texts Using XLM-R, BiLSTM-CRF, and CRF Authors: Sultana Tasnim Jahan (Univ. of Chittagong); Rashed Mustafa (Univ. of Chittagong) Paper ID: 24, Title: Real-time Vehicle Abnormality Prediction: Enhancing Road Safety Through Naturalistic Driving Data Authors: Nusrath Tabassum (Gunma Univ.)*; Md Abdus Samad Kamal (Gunma Univ.); M.A.H. Akhand (Khulna Univ. of Engineering and Technology); Kou Yamada (Gunma Univ.)
11:20	Coffee Break
11:40	Invited Session 3 Session Chair: A. S. M. Bakibillah, Institute of Science, Tokyo, Japan

	<p>Invited Talk 3: Tahera Hossain, Nagoya Univ., Japan</p> <p>Invited Talk 4: Hamada Rizk, Osaka Univ., Japan</p>
12:30	Lunch Break (Onsite - Halal lunch will be provided for those who requested)
12:35	<p>Online Technical Session S-B: (For Overseas Participants only due to visa issues) Session Chair: Hakaru Tamukoh, Kyushu Institute of Tech.</p> <p>Paper ID: 31, Title: A Fuzzy Logic and Spherical Fuzzy Logic-Based Multi-Criteria Decision Framework for Sustainable and Smart Urban Mobility Strategy Selection Authors: Shoyeb Muhammad (Department of Industrial and Production Engineering, Jashore Univ. of Science and Technology, Jashore-7408)*; Ashik Adnan (Division of Mechanical Science and Technology, Graduate School of Science and Technology, Gunma Univ., Kiryu 376-8515); Md. Abdus Samad Kamal (Division of Mechanical Science and Technology, Graduate School of Science and Technology, Gunma Univ., Kiryu 376-8515); Kou Yamada (Division of Mechanical Science and Technology, Graduate School of Science and Technology, Gunma Univ., Kiryu 376-8515)</p> <p>Paper ID: 34, Title: Occlusion-Aware Learning and Test-Time Adaptation for 3D Human Pose Estimation Authors: Md Imtiaz Hossain (Kyung Hee Univ.)*; Sungjun Yang (SIGONGtech); Eui-Nam Huh (Kyung Hee Univ.)</p> <p>Paper ID: 47, Title: Optimizing Task Offloading in Fog Computing with HAGSA-NS: A Hybrid Adaptive Gravitational Search Algorithm Authors: Md. Emran Biswas (Hajee Mohammad Danesh Science and Technology Univ.); Tangina Sultana (Hajee Mohammad Danesh Science and Technology Univ.); Md. Delowar Hossain (Hajee Mohammad Danesh Science and Technology Univ.); MST. Khadeja Sarker (Hajee Mohammad Danesh Science and Technology Univ.); Ga-Won Lee (Kyung Hee Univ.); Eui-Nam Huh (Kyung Hee Univ.)*</p>
13:50	<p>Technical Session S-2 (Onsite only): Session Chair: Rashed Mustafa (Univ. of Chittagong)</p> <p>Paper ID: 35, Title: Refining NeRF: The Power of High-Resolution Omnidirectional Vision Authors: Sho HASEGAWA (Shibaura Institute of Tech.); Chinthaka Premachandra (Shibaura Institute of Tech.)</p> <p>Paper ID: 43, Title: Realizing Human-Robot Cooperative Rope-Spinning with CPG-Based Control Using Visual Information Authors: Kakeru Yamasaki (Kyushu Institute of Tech.)*; Koki Iida (Kyushu Institute of Tech.); Patrick Hénaff (ENIB - École Nationale d'Ingénieurs de Brest); Tomohiro Shibata (Kyushu Institute of Tech.)</p> <p>Paper ID: 14, Title: Intelligent Lane Detection and Path Planning for Multi-Lane Autonomous Vehicle Navigation in Varied Weather Authors: Ashik Adnan (Gunma Univ.)*; Shoyeb Muhammad (Jashore Univ. of Science and Technology); Md Abdus Samad Kamal (Gunma Univ.); Kou Yamada (Gunma Univ.)</p> <p>Paper ID: 39, Title: Novel View Synthesis using Gaussian Splatting with Image Depth Prior Authors: Bashir Hossain (Gunma Univ.)*; Nusrath Tabassum (Gunma Univ.); M.A.S. Kamal (Gunma Univ.); Kou Yamada (Gunma Univ.)</p> <p>Paper ID: 63, Title: Study on bacteria image analysis towards Anti-Microbial resistance mechanism problem</p>

	Authors: Abhinav Jayaraj (Univ. of East London)*; Md Atiqur Rahman Ahad (Univ. of East London)
15:00	<p>Invited Session 4 Session Chair: Md Tawhidul Islam Khan, Saga Univ., Japan</p> <p>Invited Talk 5: Takuro Yonezawa, Nagoya Univ., Japan</p> <p>Invited Talk 6: Takumi Kitajima, Mie Univ., Japan</p>
15:50	Coffee Break
16:10	<p>Panel: Future Creation for Elderly and Child Care Invited Speaker 8: Sozo Inoue, Kyushu Institute of Tech., Japan. Invited Speaker 9: Yoshifumi Nishida, Institute of Science, Tokyo, Japan. Invited Speaker 10: Yuki Taoka, Institute of Science, Tokyo, Japan. Invited Speaker 11: Momoko Nakatani, Tokyo Institute of Tech., Japan. Invited Speaker 12: Shigeru Owada, Sony CSL, Japan.</p>
17:10	<p>Technical Session S-3 (Onsite only): Session Chair: Norikazu Ikoma (Nippon Institute of Tech.)</p> <p>Paper ID: 9, Title: Acoustic Emission Tomography for Damage Visualization in Homogeneous Material Surface Using Iterative Reconstruction Algorithm Authors: MD ABDUR RAHMAN (Saga Univ.)*; NAZMUSH SAKIB (Saga Univ.); Md. Mehedi Hassan (Tsuruta Orthopedic Hospital); TASHIRO HIBIKI (Saga Univ.); TAWHIDUL ISLAM KHAN (Saga Univ.)</p> <p>Paper ID: 18, Title: Model Predictive Control of an Autonomous Wheelchair: Integrating Pedestrian Reactions via the Social Force Model Authors: Xiaozhuo Zuo (Gunma Univ.)</p> <p>Paper ID: 33, Title: Fault tolerant control using double feedback control system-Case of lost signal from feedback loop- Authors: Daisuke Koyama (Gunma Univ.)*; Nghia Thi Mai (Posts and Telecommunications Institute of Tech.); Md Abdus Samad Kamal (Gunma Univ.); Iwanori Murakami (Gunma Univ.); Kou Yamada (Gunma Univ.)</p> <p>Paper ID: 71, Title: LLM-based Indoor Localization in Nursing Care Facility: A Zero-Shot Ablation Study Authors: Christina Garcia (Kyushu Institute of Tech.)*; Sozo Inoue (Kyushu Institute of Tech.)</p> <p>Paper ID: 69, Title: Virtual Data Generation for Complex Industrial Activity Recognition : An Approach Based on Interpolation Algorithms Authors: Atsushi Yanagisawa (Kyoto Univ.)</p>
18:20	Closing Second Day
Day 3: 28 May	Venue: Same as Day 2: Kitakyushu International Convention Center, Kokura
08:30	Registration and Breakfast
09:00	<p>Technical Session S-4 (Onsite only): Session Chair: Atsushi Inoue, AnChain AI</p>

	<p>Paper ID: 2, Title: On Variational Bayes Approach to State Space Modeling with Its Implementation for Simple Mathematical Models Authors: Norikazu Ikoma (Nippon Institute of Tech.)*</p> <p>Paper ID: 6, Title: Deep Learning based Post-earthquake Structural Damage Assessments with Small Datasets Authors: Kaveesh Abeyesuriya (Univ. of East London)*; Mihaela Anca Ciupala (Univ. of East London); Meghana Manikonda (Univ. of East London); Kruttika Jamalpuram (Univ. of East London); Aishwarya Nitin Sonar (Univ. of East London); Saeed Sharif (Univ. of East London); Seyed Ali Ghorashi (Univ. of East London); Alper Ilki (Istanbul Technical Univ.)</p> <p>Paper ID: 36, Title: Knowledge Distillation for Reservoir-based Classifier: Human Activity Recognition Authors: Masaharu Kagiya (Kyushu Institute of Tech.); Tsuyoshi Okita (Kyushu Institute of Tech.)*</p> <p>Paper ID: 38, Title: A Tracking Method of Multiple Animals Using YOLOv5 Authors: Toshifumi Kimura (Univ. of Hyogo)*; Hidetoshi Ikeno (The Univ. of Fukuchiyama); Mizue Ohashi (Univ. of Hyogo); Ryuichi Okada (Kobe Univ.); Mamiko Ozaki (Kobe Univ.); Hiroyuki Ai (Fukuoka Univ.); Shunya Habe (Semco Co., Ltd.); Teijiro Isokawa (Univ. of Hyogo)</p> <p>Paper ID: 41, Title: Fall Anxiety: Quantum State Probability as a Key Feature in Parkinson's Risk Prediction Authors: Septian Sukmana (Kyushu Institute of Tech.)*; Tomohiro Shibata (Kyushu Institute of Tech.)</p>
10:10	<p>Invited Session 5 Session Chair: Hamada Rizk, Osaka Univ., Japan</p> <p>Invited Industry Talk 13: Shuichi Ishida, CEO, TriOrb Inc., Japan</p> <p>Invited Talk 14: Md Tawhidul Islam Khan, Saga Univ., Japan</p> <p>Invited Talk 15: A. S. M. Bakibillah, Institute of Science, Tokyo, Japan</p>
11:25	Coffee Break
11:35	<p>Technical Session S-5 (Onsite only): Session Chair: Takahiro Ueno, Fukuyama Univ., Japan</p> <p>Paper ID: 49, Title: Gaze analysis of a walker user for the development of a gaze-based interface to operate a robotic walker Authors: Kengo IWAMOTO (Kyushu Institute of Tech.)*; Yuuta SHINODA (Kyushu Institute of Tech.); Tomohiro SHIBATA (Kyushu Institute of Tech.)</p> <p>Paper ID: 50, Title: A Real-Time Vision-Based System for Human Gesture Recognition in Collaborative Work Cells Authors: Natchanon Suppaadirek (Kyushu Institute of Tech.)*; Shreyan Shukla (Dronacharya Group of Institutions); Piyush Mudgal (Dronacharya College of Engineering); Tomohiro Shibata (Kyushu Institute of Tech.)</p> <p>Paper ID: 25, Title: A Novel Multiagent Approach for Optimal Right Turn Coordination of Connected Automated Vehicles at Urban Intersections Authors: Mahmudul Hasan (Gunma Univ., Japan)*; A.S.M Bakibillah (Institute of Science Tokyo); Md Abdus Samad Kamal (Gunma Univ.); Kou Yamada (Gunma Univ.)</p>

	<p>Paper ID: 26, Title: Optimizing Traffic Network for Rapid Transit of Emergency Vehicles at the Scene of a Disaster Authors: Riku Munakata (Gunma Univ.)*; M.A.S. Kamal (Gunma Univ.); Kou Yamada (Gunma Univ.)</p> <p>Paper ID: 42, Title: Controlling UAV Swarms for Adaptive Search and Coordinated Rescue Operations Authors: MD SAMSUL AREFIN SARKER (Gunma Univ.)*; MD SAMSUL AREFIN SARKER (Gunma Univ.); M.A.S. KAMAL (Gunma Univ.);KOU YAMADA (Gunma Univ.)</p>
12:45	Lunch Break (Onsite - Halal lunch will be provided for those who requested)
12:50	<p>Online Technical Session S-C: (For Overseas Participants only due to visa issues) Session Chair: Tahera Hossain, Nagoya Univ., Japan</p> <p>Paper ID: 28, Title: Multi-Frequency Disturbance Rejection Control via Delay-Coordinated DOB for Minimum Phase Systems Authors: Siripong Sangsarpan (Thai-Nichi Institute of Tech.)*; Nghiiia Thi Mai (Posts and Telecommunications Institute of Tech.); Md Abdus Samad Kamal (Gunma Univ.); Iwanori Murakami (Gunma Univ.); Kou Yamada (Gunma Univ.)</p> <p>Paper ID: 46, Title: AI-Enabled IoT System for Continuous Health Monitoring and Early Risk Detection Authors:Kamran Sharafi (Jagannath Univ.)*; Mohsinur Murad (Jagannath Univ.); Hassan Mahmud (Univ. of Information Technology and Sciences); Dr. Md. Manowarul Islam (Jagannath Univ.); Dr. Uzzal Acharjee (Jagannath Univ.); Arnisha Akhter (Jagannath Univ.)</p> <p>Paper ID: 48, Title: Phishing Detection Using Gradient-Weighted Ensemble with Hybrid Sampling and Weighted Ensemble Feature Selection Authors: Mrinal Basak Shuvo (Hajee Mohammad Danesh Science And Technology Univ.); Arjon Talukder (Hajee Mohammad Danesh Science and Technology Univ.); Sadia Islam Neela (Hajee Mohammad Danesh Science And Technology Univ.); Prakriti Paramarathi Roy (Hajee Mohammad Danesh Science And Technology Univ.); Tangina Sultana (Hajee Mohammad Danesh Science and Technology Univ., Bangladesh); Md. Delowar Hossain (Hajee Mohammad Danesh Science And Technology Univ., Bangladesh); Dr. Md. Arshad Ali (Hajee Mohammad Danesh Science and Technology Univ., Bangladesh); Eui-Nam Huh (Kyung Hee Univ., Yongin, South Korea)*</p> <p>Paper ID: 57, Title: Efficient Single-Lane Obstacle Overtaking for Autonomous Vehicles in Smart Cities Authors: Mohammad Hossain (Univ. of Prince Mugrin), M.A.S Kamal (Gunma Univ.)</p>
14:00	<p>Organized Session: Service Robotics Session Co-Chairs: Hakaru Tamukoh, Kyushu Institute of Tech. Dr. Sansei Hori, Tamagawa Univ.</p> <p>Paper ID: 55, Title: Hand Gesture Recognition with Deep Learning-Free Feature Extraction Authors: Keita Okumura (Kyushu Institute of Tech.)*; Kosei Isomoto (Kyushu Institute of Tech.); Yuichiro Tanaka (Kyushu Institute of Tech.); Hakaru Tamukoh (Kyushu Institute of Tech.)</p> <p>Paper ID: 56, Title: Multi-Speed Obstacle Detection Using Parallel SNN with Event-Based Vision Sensors Authors: Yuta Ohno (Kyushu Institute of Tech.)*; Yuga Yano (Kyushu Institute of Tech.); Yuichiro Tanaka (Kyushu Institute of Tech.); Hakaru Tamkoh (Kyushu Institute of Tech.)</p> <p>Paper ID: 58, Title: Demonstration Data Quality Estimation with Modality Priority Adjustment Using Separate Encoders</p>

	<p>Authors: Hiromasa Yamaguchi (Kyushu Institute of Tech.)*; Yuga Yano (Kyushu Institute of Tech.); Hakaru Tamukoh (Kyushu Institute of Tech.)</p> <p>Paper ID: 59, Title: Number-Marked Prompting for Empty Space Estimation Considering Object Relationships in Unknown Environments Authors: Ryo Terashima (Kyushu Institute of Tech.)*; Yuga Yano (Kyushu Institute of Tech.); Koshun Arimura (Kyushu Institute of Tech.); Hakaru Tamkoh (Kyushu Institute of Tech.)</p> <p>Paper ID: 60, Title: Experimental Evaluation of Adaptive Dual-Mode Vision System for ROS2: Integrating YOLO-World and SAM2 for Robotic Manipulation Authors: GAI NAKATOGAWA (Tamagawa Univ.)*; SANSEI HORI (Tamagawa Univ.)</p> <p>Paper ID: 61, Title: Toolchain for Data Augmentation and Evaluation of Object Detection Authors: Ginga Kise (NIT, Kitakyushu); Yuma Yoshimoto (NIT, Kitakyushu)*</p> <p>Paper ID: 62, Title: An FPGA Accelerated Architecture for Prolonging the Operating Time of Home Service Robots Authors: Haruki Miura (NIT, Kitakyushu); Rion Yofu (NIT, Kitakyushu); Yuma Yoshimoto (NIT, Kitakyushu)*</p>
15:30	<p>Invited Session 6 Session Chair: Mohammad Abu Yousuf (Gazipur Digital Univ., Bangladesh)</p> <p>Invited Talk 16: Miho Ohsaki, Doshisha Univ., Japan</p> <p>Invited Talk 17: Kimiaki Shirahama, Doshisha Univ., Japan</p> <p>Invited Talk 18: Eiji Aoki, Institute for Hypernetwork Society, Japan</p>
16:45	Coffee Break
17:00	<p>Technical Session 5-6 (Onsite only): Session Chair: Kou Yamada, Gunma University</p> <p>Paper ID: 13, Title: MNMD: A multimodal non-invasive mental disorder detection method Authors: Rashed Mustafa (Univ. of Chittagong)*; Mahir Shadid (International Islamic Univ., Chittagong, Bangladesh); A.H.M Sajedul Hoque (Eötvös Loránd Univ. (ELTE))</p> <p>Paper ID: 15, Title: Hyperventilation-induced Cerebral Patterns Analysis for Neurocognitive Disorder Detection via AI Models Authors: Kusum Tara (Saga Univ.)*; Ruimin Wang (Saga Univ.); Yoshitaka Matsuda (Saga Univ.); Satoru Goto (Saga Univ.); Takako Mitsudo (Minkodo-Minohara Hospital, Fukuoka; NHO Hizen Psychiatric Medical Center, Saga); Takao Yamasaki (Minkodo-Minohara Hospital, Fukuoka; International Univ. of Health and Welfare, Fukuoka); Takenao Sugi (Saga Univ.)</p> <p>Paper ID: 52, Title: Psychological Data Collection of Elderly Care Workers for LLM-based Stress Detection Authors: Naoya Miyake (Kyushu Institute of Tech.); Haru Kaneko (Kyushu Institute of Tech.)*; Elsen Ronando (Kyushu Institute of Tech.); Xinyi Min (Kyushu Institute of Tech.); Christina Garcia (Kyushu Institute of Tech.); Sozo Inoue (Kyushu Institute of Tech.)</p> <p>Paper ID: 8, Title: TRANSFER LEARNING IN CLASSIFYING ACOUSTIC EMISSION SIGNALS FROM OSTEOARTHRITIC KNEES Authors: Nazmush Sakib (Saga Univ.); Md Abdur Rahman (Saga Univ.); Md. Mehedi Hassan (Tsuruta Orthopedic Hospital); Tawhidul Islam Khan (Saga Univ.)*; Shuya Ide (Tsuruta Orthopedic</p>

	<p>Hospital)</p> <p>Paper ID: 51, Title: Prediction of QoL in healthy older adults using non-motor information from smart devices Authors: Yu Makido (Kyushu Institute of Tech.)*; John Noel Victorino (Ateneo de Manila Univ.); Kengo Iwamoto (Kyushu Institute of Tech.); Tomohiro Shibata (Kyushu Institute of Tech.)</p> <p>Paper ID: 53, Title: WIP: Towards Automating Entry and Exit Logs in Nursing Records Utilizing Video and Large Language Models Authors: RYUYA MUNEMOTO (Kyushu Institute of Tech.); Nazmun Nahid (Kyushu Institute of Tech.)*; Sozo Inoue (Kyushu Institute of Tech.)</p>
19:00	<p>Banquet & Award Ceremony (Venue: Mikuni World Stadium Kitakyushu) (For registrants: if you want to buy any extra ticket(s), please contact the registration desk)</p> 
Day 4: 29 May	Tour & Online
10:00	Technical Tour (Registration desk for more information)
15:00	Post-ABC (Activity & Behavior Computing) Event (Online): Session Chair: Sozo Inoue, Kyutech, Japan
16:00	Tremor (Activity Recognition) Challenge - 2 Session Chair: Shahera Hossain, Univ. of East London, UK
17:00	Meeting of the Organizing Committee of IVPR-ICIEV 2026