

Nov. 29, 2022

	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
Registration 14:00-17:30	Registration							
Invited Talk 1 14:50-15:50	Invited Talk 1 Place: Room A+B Title: Cutting Edge Technologies for On-Drone Voice-Based Victim Searching in Disaster-Stricken Areas Speaker: Prof. Chinthaka Premachandra (Shibaura Institute of Technology, Japan) Chair: Daisuke Fujita (University of Hyogo, Japan)							
Break	Break							
Invited Talk 2 16:00-17:00	Invited Talk 2 Place: Room A+B Title: Invitation for AI/ML in Software as a Medical Device: Fundamentals of Computer-Aided Diagnosis for Medical Images Speaker: Prof. Syoji Kobashi (Director, Advanced Medical Engineering Research Institute, University of Hyogo, Japan) Chair: Daisuke Fujita (University of Hyogo, Japan)							
Break 17:00-18:00	Break							
Welcome Reception 18:00-20:00	Welcome Reception Place: Ise City Hotel							

Nov. 30, 2022

	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
Registration 9:00-9:40	Registration							
9:40-9:50	Opening Ceremony							
Plenary Talk 1 9:50-10:50	Plenary Talk 1 Place: Main Hall Title: Plant Growth Monitoring for Intelligent Environmental Control in Greenhouse Speaker: Prof. Kotaro Takayama (Toyoashi University of Technology, Japan and Ehime University, Japan) Chair: Shinji Fukuda (Tokyo University of Agriculture and Technology, Japan)							
Break 10:50-11:10	Break							
Parallel Session 11:10-12:30	W-1-A SS-03 Evolutionary Computation, Swarm intelligence, and Their Applications 1 Chair: Kei Ohnishi (Kyushu Institute of Technology)	W-1-B SS-02 Application of AI/IoT for Social Safety 1 Chair: Michiyuki Hirokane (Kansai University)	W-1-C SS-20 Fuzzy Mathematics and Applications to Predictions Chair: Jin Hee Yoon (Sejong University)	W-1-D GS Natural Language Processing 1 Chair: Ichiro Kobayashi (Ochanomizu University)	W-1-E GS Decision Making Chair: Tomohiro Hayashida (Hiroshima University)	W-1-F GS Agriculture Chair: Shinji Fukuda (Tokyo University of Agriculture and Technology)	W-1-G GS Reinforcement Learning Jung-Sook Kim (Kimpoo University, Korea)	
Lunch Break 12:30-13:50	Lunch Break							
Parallel Session 13:50-15:30	W-2-A SS-03 Evolutionary Computation, Swarm intelligence, and Their Applications 2 Chairs: Kei Ohnishi (Kyushu Institute of Technology), Tomohiro Yoshikawa (Suzuka University of Medical Science)	W-2-B SS-02 Application of AI/IoT for Social Safety 2 Chair: Yasutoshi Nomura (Ritsumeikan University)	W-2-C SS-13 Deep Learning Techniques for Image Processing and its Applications 1 Chairs: Chinthaka Premachandra (Shibaura Institute of Technology), Akiyoshi Hizukuri (Ritsumeikan University)	W-2-D SS-07 Advanced Data Mining Techniques and Applications 1 Chair: Chun-Hao Chen (National Kaohsiung University of Science and Technology)	W-2-E SS-19 Convergence Technology of Signal Processing and Biohealth Chair: Suk-seung Hwang (Chosun University)	W-2-F SS-21 Intelligent Systems for Smart Agriculture Chairs: Young-Jae Ryoo (Mokpo National University), Dae-Young Im (KITECH)	W-2-G GS Distributed Systems Chair: Isao Hayashi (Kansai University), Yusuke Nojima (Osaka Metropolitan University)	
Coffee Break 15:30-16:00	Coffee Break							
Parallel Session 16:00-18:00	W-3-A SS-03 Evolutionary Computation, Swarm intelligence, and Their Applications 3 Chair: Tomohiro Yoshikawa (Suzuka University of Medical Science)	W-3-B SS-02 Application of AI/IoT for Social Safety 3 Chair: Kei Kawamura (Yamaguchi University)	W-3-C SS-13 Deep Learning Techniques for Image Processing and its Applications 2 Chairs: Chinthaka Premachandra (Shibaura Institute of Technology), Akiyoshi Hizukuri (Ritsumeikan University)	W-3-D SS-07 Advanced Data Mining Techniques and Applications 2 Chair: Chun-Hao Chen (National Kaohsiung University of Science and Technology)	W-3-E GS Robotics Chair: Jinseok Woo (Tokyo University of Technology)	W-3-F GS Vision and Sensors Chair: Syoji Kobashi (University of Hyogo)	W-3-G GS Human-Computer Interaction Chair: Hiroshi Takenouchi (Fukuoka Institute of Technology)	

Dec. 1, 2022

	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H	
Registration 9:00-9:30	Registration								
Plenary Talk 2 9:30-10:30	Plenary Talk 2 Place: Main Hall Title: Realizing Trustworthy Artificial Intelligence - Perceived Gaps & Promising Approaches Speaker: Prof. Kelly Cohen (University of Cincinnati, USA) Chair: Yusuke Nojima (Osaka Metropolitan University, Japan)								
Break 10:30-10:50	Break								
Parallel Session 10:50-12:30	T-1-A SS-15 Recent Trends of Clustering Methodologies Chair: Yukihiro Hamasuna (Kindai University)	T-1-B GS Pattern Recognition and Classification Chair: Shinya Watanabe (Muroran Institute of Technology)	T-1-C GS Natural Language Processing 2 Chair: Fumiaki Saitoh (Chiba Institute of Technology)	T-1-D SS-01 Human Symbiotic Systems 1 Chair: Tsuyoshi Nakamura (Chubu University)	T-1-E GS Fuzzy Control Chair: Young-Cheol Bae (Chonnam National University, Korea)	T-1-F SS-22 Intelligent System Design Using Artificial Intelligence 1 Chair: Myung-Geun Chun (Chungbuk National University)	T-1-G SS-18 Neurotechnology Advances in Machine Learning Applications for Dementia Neuro-biomarker Development, Cognitive Load Elucidation, and Brain-computer Interfaces 1 Chair: Tomasz M. Rutkowski		
Lunch Break 12:30-13:50	Lunch Break								
Parallel Session 13:50-15:30					T-2-E SS-16 Intelligent Transportation Systems Ho Namgung (Mokpo National Maritime University)	T-2-F SS-22 Intelligent System Design Using Artificial Intelligence 2 Chair: Yong-Tae Kim (Hankyong National University)	T-2-G SS-18 Neurotechnology Advances in Machine Learning Applications for Dementia Neuro-biomarker Development, Cognitive Load Elucidation, and Brain-computer Interfaces 2 Chair: Tomasz Komendzinski	T-2-H SS-01 Human Symbiotic Systems 2 Chair: Tomohiro Yoshikawa (Suzuka University of Medical Science)	
Coffee Break 15:30-16:00	Coffee Break								
Parallel Session 16:00-17:40					T-3-E SS-08 Rough Sets, Granular Computing and Their Applications Chair: Masahiro Inuiguchi (Osaka University)	T-3-F GS Simulation and Data Mining for Covid-19 Chair: Takeshi Uchitane (Aichi Institute of Technology)	T-3-G GS Neural Networks Chair: Keiichi Horio (Kyushu Institute of Technology)	T-3-H SS-01 Human Symbiotic Systems 3 Chair: Masayoshi Kanoh (Chukyo University)	
Break 17:40-18:00	Break								
Banquet & Award Ceremony 18:00-20:30	Place: Room A+B+C+D Banquet & Award Ceremony								

Dec. 2, 2022

	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H	
Registration 9:00-9:30	Registration								
Plenary Talk 3 9:30-10:30	Plenary Talk 3 Place: Main Hall Title: Low-end Lidar Signal Processing for Autonomous Driving Speaker: Prof. Euntai Kim (Yonsei University, Korea) Chair: Jung-Sook Kim (Kimpo University, Korea)								
Break 10:30-10:50	Break								
Parallel Session 10:50-12:30	F-1-A SS-12 Well-being and Kansei Engineering 1 Chair: Hiroko Shoji (Chuo University)	F-1-B SS-04 Artificial Intelligence for Medical/Healthcare Systems 1 Chair: Daisuke Fujita (University of Hyogo)	F-1-C SS-05 Continual Learning and Emergence of Intelligent Systems 1 Chair: Naoki Masuyama (Osaka Metropolitan University)	F-1-D SS-11 Soft Computing in Urban and Transport Planning 1 Chair: Masashi Okushima (Tokushima University)	F-1-E GS Education and Training Chair: Masaaki Ida (National Institution for Academic Degrees and Quality Enhancement of Higher Education)	F-1-F GS Artificial Intelligence/Machine Learning Chair: Kazushi Okamoto (The University of Electro-Communications)	F-1-G GS Multi-agent Systems Chair: Hidehisa Akiyama (Okayama University of Science)		
Lunch Break 12:30-13:50	Lunch Break								
Parallel Session 13:50-15:30	F-2-A SS-12 Well-being and Kansei Engineering 2 Chair: Yuri Hamada (Aoyama Gakuin University)	F-2-B SS-04 Artificial Intelligence for Medical/Healthcare Systems 2 Chair: Kento Morita (Mie University)	F-2-C SS-05 Continual Learning and Emergence of Intelligent Systems 2 Chair: Yuichiro Toda (Okayama University)	F-2-D SS-11 Soft Computing in Urban and Transport Planning 2 Chair: Hiroaki Inokuchi (Kansai University)	F-2-E GS Natural Language Processing 3 Chair: Toru Sugimoto (Shibaura Institute of Technology)	F-2-F GS Evolutionary Computaiton Chair: Tomohiro Harada (Tokyo Metropolitan University)			
Break 15:30-15:50	Break								
Award & Closing 15:50-16:10	Award & Closing Ceremony Place: Room A								