

Code	ID	Paper Title	Author Names	Remarks
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ISIS inv November 24 (Saturday) 09:00-9:25 Room301
 ISIS Invited Talk: 'Type-2 Fuzzy Ontology Model and Its Applications' by Chang-Shing Lee (National University of Tainan, Taiwan)
 Chair: the same as the host session (KO-1)
https://docs.google.com/document/d/1hs_Ylvcn2fP2RbV1f14_5VgCcNMIXIIF8WGnoMGIs1k/edit

KO-1 November 24 (Saturday) 09:25-10:15 Room301

Signal Processing

Organizer: Kwee-Bo Sim (Chung-Ang University)

Session Chair: Young Chul Bae (Chunnam National University)

S1-31-1	532	Multiple Speech Source Localization Using Ambiguity Suppression	Chang-Hoon Lee, Paichai University; Xue Ren, Paichai university	
S1-31-2	538	Optimization method of measurement noise for Detection and Identification of SV Clock Anomaly	Kiyeol Seo, Korea Institute of Ocean Science & Technology; Sanghyun Park, Korea Institute of Ocean & Science Technology; Sanghyun Suh, Korea Institute of Ocean & Science Technology	

G-1 November 24 (Saturday) 09:00-11:05 Room401

Agent Scheduling, Mining, and Networks

Organizer: [Chair] Keitaro Naruse (University of Aizu)

S1-41-1	101	Building DITA-Based CMS as Integrated Documentation Environment	Marie Sakai, Future University Hakodate; Taku Okuno, Future University Hakodate	
S1-41-2	140	Counter attack detection with machine learning from log files of RoboCup simulation	Yusuke Kobayashi, Hokkaido University; Hidenori Kawamura, Hokkaido University; Keiji Suzuki, Hokkaido University	
S1-41-3	442	A New Scheme to Improve Multi-channel MDA Performance in Wireless mesh LAN	Bih-Hwang Lee, National Taiwan University of Science and Technology; Hung-Chi Chien, National Taiwan University of Science and Technology; Jhih-Ming Chen, Ling Tung University	
S1-41-4	471	Conflicting Information Propagation Model in Trust Network	Takuya Komatsu, Hokkaido University; Ikuo Suzuki, Kitami Institute of Technology; Masahito Yamamoto, Hokkaido University; Masashi Furukawa, Hokkaido University	
S1-41-5	476	Multiple layered Information propagation model in twitter	Keitaro Naruse, University of Aizu	

G-10-3 November 24 (Saturday) 09:00-11:05 Room402

Intelligent Control III

Organizer: Kazuyuki Kobayashi (Hosei University), [Chair] Seiji Yasunobu (University of Tsukuba)

S1-42-1	297	Fault Tolerant Scheduling Strategy in a NCS Based on Frequency Transition	Oscar Esquivel, U.N.A.M.; Héctor Benítez, U.N.A.M.	
S1-42-2	310	An intelligent car driving based on fuzzy target with safety zone	Takayuki Ogawa, University of Tsukuba; Seiji Yasunobu, University of Tsukuba	
S1-42-3	371	A proposal of intelligent operating method considering the change of constraint conditions	Shutaro Takahashi, University of Tsukuba; Seiji Yasunobu, University of Tsukuba	

S2-42-4	123	Development of a Kinect-sensor-based navigation component for JAUS compliant mobile robots	Moriyama Naruhito, Hosei University; Kazuyuki Kobayashi, Hosei University; Yosuke Kurihara, Seikei University; Kajiro Watanabe, Hosei University	
S1-42-5	521	A Study on the Performance Improvement of 3D Inspection Equipment	Young Mo Koo, Yeonsung University; Kyu Ho Lee, ANI Co., Ltd	

YN-2-3 November 24 (Saturday) 09:00-11:05

Room403

Evolutionary Multiobjective Optimization and Multiple Criteria Decision Making III

Organizer: [Chair] Shinya Watanabe (Muroran Institute of Technology), Hiroyuki Sato (University of Electro-Communications)

S1-43-1	343	Two-Objective Solution Set Optimization to Maximize Hypervolume and Decision Space Diversity in Multiobjective Optimization	Hisao Ishibuchi, Osaka Prefecture University; Masakazu Yamane, Osaka Prefecture University; Naoya Akedo, Osaka Prefecture University; Yusuke Nojima, Osaka Prefecture University	
S1-43-2	346	Vendor Selection Using Genetic Algorithm	Shaila Sharmeen, East West University; Md. Humayun Kabir, Bangladesh University of Engineering and Technology; M. Ameer Ali, East West University; Shamim Ripon, East West University; Nikhil Shil, American International University	
S1-43-3	357	Aerodynamic Optimization Using Building Cube Method and Data mining with Proper Orthogonal Decomposition	Yoshinori Andoh, Tohoku University	
S1-43-4	426	A New Pareto Frontier Covering Strategy in FS-MOGA for Multi-Objective Function Optimization	Ryo Miyazaki, Tokyo Institute of Technology; Naoki Hamada, Tokyo Institute of Technology; Yuichi Nagata, Tokyo Institute of Technology; Isao Ono, Tokyo Institute of Technology	
S1-43-5	467	A study on Two-Step Search using Global-Best in PSO for Multi-objective Optimization Problems	Hiroyuki Hirano, Nagoya University; Tomohiro Yoshikawa, Nagoya University	

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Room404

Monitoring and Knowledge Acquisition for Safety Intelligence

Organizer: [Chair] Kyosuke Takahashi (Kansai University), Koichiro Nakatsu (Osaka Jonan Women's Junior College), Masahiro Hori (Kansai University)

S1-44-1	223	Automatic Detection of Bicycle Direction Using RealAdaBoost and C4.5	Nakata Hirokazu, Kansai University; Hirokane Michiyuki, Kansai University	
S1-44-2	421	A mobile application system for sightseeing guidance using augmented reality	Hitoshi Furuta, Kansai University; Kyosuke Takahashi, Kansai University; Koichiro Nakatsu, Osaka Jonan Women's Junior College; Ken Ishibashi, Kansai University; Mami Aira, Kansai University	
S1-44-3	498	Evaluation and Visualizaton of Evacuees' Walking Difficulty in Disasters	Isao Hayashi, Kansai University; Yinlai Jiang, Kochi University of Technology; shuoyu Wang, Kochi University of Technology	
S1-44-4	400	A Proposal of Civil Engineer Education System Applying Social Networking Service	Hitoshi Furuta, Kansai University; Kyosuke Takahashi, Kansai University; Ken Ishibashi, Kansai University; Masato Usui, Kansai University; Koichiro Nakatsu, Osaka Jonan Women's Junior College	

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Room405

Neural Networks

Session Chair: Haruhiko Takase (Mie University)

S1-45-1	228	Improve discontinuous output in SpikeProp - effective type of weight decay	Li Yan, Mie University; Haruhiko Takase, Mie University; Hiroharu Kawanaka, Mie University; Shinji Tsuruoka, Mie University	
S1-45-2	402	Hybrid Multi-layered GMDH-type Neural Network Self-selecting Various Neurons and Its Application to Medical Image Diagnosis of Liver Cancer	Tadashi Kondo, The University of Tokushima; Junji Ueno, The University of Tokushima; Schoichiro Takao, The University of Tokushima	
S1-45-3	405	Hybrid Feedback GMDH-type Neural Network Self-selecting Various Neurons and Its Application to Medical Image Diagnosis of Lung Cancer	Tadashi Kondo, The University of Tokushima; Junji Ueno, The University of Tokushima; Schoichiro Takao, The University of Tokushima	

HS-3 November 24 (Saturday) 09:00-10:15

Room406

Meta-heuristic Approach to Management Engineering Problems

Organizer: [Chair] Junzo Watada (Waseda University)

S1-46-1	127	Decision Making of a Portfolio Selection Model Based on Fuzzy Statistic Test	Pei-Chun Lin, Waseda University; Junzo Watada, Waseda University; Berlin Wu, National Chengchi University	
S1-46-2	309	Fuzzy Autocorrelation Model with Confidence Intervals of Fuzzy Random Data	Yoshiyuki Yabuuchi, Shimonoseki City University; Junzo Watada, Waseda University	
S1-46-3	219	A Modified League Championship Algorithm for Numerical Function Optimization Via Artificial Modeling of the "Between Two Halves Analysis"	Ali Husseinzadeh Kashan, Islamic Azad University; Somayyeh Karimiyan, Institute of Earthquake Engineering and Seismology; Morteza Karimiyan, Islamic Azad University; Mina Husseinzadeh Kashan, Tarbiat Modares University	

NK-4 November 24 (Saturday) 10:15-11:05

Room406

Kukanchi - interactive human-space design and intelligence

Organizer: [Chair] Kazuyoshi Wada (Tokyo Metropolitan University), Eri Shimokawara (Tokyo Metropolitan University)

S1-46-4	171	Communication System Using Smart Devices for Speech-Impaired Children	Nobuhide Tsunemi, Tokyo Metropolitan University; Toru Yamaguchi, Tokyo Metropolitan University; Yasunari Fujimoto, Tokyo Metropolitan University; Osamu Nitta, Tokyo Metropolitan University; Eri Sato-Shimokawara, Tokyo Metropolitan University	
S1-46-5	417	Human Gesture Recognition for Robot Partners by Spiking Neural Network and Classification Learning	Janos Botzheim, Tokyo Metropolitan University; Takenori Obo, Tokyo Metropolitan University; Naoyuki Kubota, Tokyo Metropolitan University	

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Room504

Application to Business II

Organizer: Yukio Kodono (Osaka International University), Yoshiyuki Yabuuchi (Simonoseki City University), [Chair] Sangsu Han (Osaka International University)

S1-54-1	100	SWOT Analysis and Five Competitive Forces of Chery Automobile Company	Faen Chen, Osaka International University; Yukio Kodono, Osaka International University	
S1-54-2	108	Clinical Nurses' Awareness Structure of Delirium -An Analysis of Spontaneous Utterances in a Group Interview by DEMATEL Method-	Takayuki Kawaura, Kansai Medical University; Yasuyuki Sugatani, Kansai Medical University	
S1-54-3	189	An Analytic Hierarchy Process approach to fixed income market portfolio - The case of South Korean bond market -	Sangheon HAN, Nagoya University of Commerce and Business; Dongjoon Lee, Nagoya University of Commerce & Business	
S1-54-4	339	Fuzzy Reasoning Demand Forecasting Model by using Meteorological Factors –Case of Apparel Shop-	Shunsuke Nakamura, Osaka International University	
S1-54-5	345	Data Envelopment Analysis with application to a Business Simulation Game	Zhehua Zhang, Osaka International University; Miha Takubo, Osaka International University; Sangsu Han, Osaka International University	

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Room505

Pattern Classification and Clustering III

Organizer: Yuchi Kanzawa (Shibaura Institute of Technology)

Session Chair: Yukihiro Hamasuna (Kinki University)

S1-55-1	95	FNM-based and RFCM-based Fuzzy Clustering for Tri-Relational Data	Yuchi Kanzawa, Shibaura Institute of Technology	
S1-55-2	96	Comparison of Imputation Strategies in FNM-based and RFCM-based Fuzzy Co-Clustering	Yuchi Kanzawa, Shibaura Institute of Technology	
S1-55-3	164	Mixed Usage of MATLAB and Visual C for Improving Classification Time and Training Time of FCM Classifier	Hidetomo Ichihashi, Osaka Prefecture University; Takuya Kobayashi, Osaka Prefecture University; Katsuhiro Honda, Osaka Prefecture University; Akira Notsu, Osaka Prefecture University	
S1-55-4	167	PCA-Tree NNS with Two Approximation Methods and Annulus Bound Method	Hidetomo Ichihashi, Osaka Prefecture University; Toshiro Ogita, Osaka Prefecture University; Akira Notsu, Osaka Prefecture University; Katsuhiro Honda, Osaka Prefecture University	
S1-55-5	232	Comparison on Membership Functions in Fuzzy k-Member Clustering for Data Anonymization	Arina Kawano, Osaka Prefecture University; Katsuhiro Honda, Osaka Prefecture University; Akira Notsu, Osaka Prefecture University; Hidetomo Ichihashi, Osaka Prefecture University	