

Code	ID	Paper Title	Author Names	Remarks
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TI-2-2 November 23 (Friday) 18:35-19:25

Room301

Intelligent Agent Based Evolutionary Computation II

Organizer: Akira Hara (Hiroshima City University), [Chair] Takumi Ichimura (Prefectural University of Hiroshima)

F3-31-1	422	Decentralized Pursuit Learning Automata in Batch Mode	VIDYA SINGH, Indiana University-Purdue University Indianapolis; SNEHASIS MUKHOPADHYAY, Indiana University-Purdue University Indianapolis; MEGHNA SEBENS, Indiana University-Purdue University Indianapolis	(Teleconference)
F3-31-2	441	Application of Particle Swarm Optimization to Similar Image Search on Satellite Sensor Data	Takashi Yamaguchi, Tokyo University of Information Sciences; Kazuma Mori, Tokyo University of Information Sciences; Kenneth Mackin, Tokyo University of Information Sciences; Yasuo Nagai, Tokyo University of Information Sciences	

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Intelligent Smartphone

Organizer: [Chair] Takumi Ichimura (Prefectural University of Hiroshima)

F3-31-3	139	Tourist Navigation in Android Smartphone by using Emotion Generating Calculations and Mental State Transition Networks	Takumi Ichimura, Prefectural University of Hiroshima; Kosuke Tanabe, Prefectural University of Hiroshima; Issei Tachibana, Prefectural University of Hiroshima	
F3-31-4	330	Governing shifted characters of Thai Input Method for Smartphones	Piyoros Tungthamthiti, Thammasat University; Cholwich Nattee, Sirindhorn International Institute of Technology; Nirattaya Khamsemanan, Sirindhorn International Institute of Technology	
F3-31-5	406	A Spoken Dialogue Smartphone Application for "Text and Walk/Drive"	Johane Takeuchi, Honda Research Institute Japan Co. Ltd.; Yuki Todo, Toyohashi University of Technology; Mikio Nakano, Honda Research Institute Japan Co., Ltd	

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Fuzzy Inference Systems

Organizer: [Chair] Hirosato Seki (Kwansei Gakuin University)

F3-41-1	134	Flexible Design of Image Classification Rules using Extended Fuzzy Oriented Classifier Evolution	Junji Otsuka, Yokohama National University; Tomoharu Nagao, Yokohama National University	
F3-41-2	256	A Dynamic Neuro Fuzzy Knowledge Based System in Threat Evaluation	Jongmin Yun, Gachon University; Sung-Sam Hong, Gachon University; Myung-Mook Han, Gachon University	
F3-41-3	271	Space-time Fuzzy Inference and Applications using Simplified Time-Change Fuzzy Set	Xiang Liu, University of Tsukuba; Takeshi Shibuya, University of Tsukuba; Seiji Yasunobu, University of Tsukuba	
F3-41-4	378	Interactive Decision Making for Random Fuzzy Two-Level Programming Problems through Probability-Possibility Maximization	Shimpei Matsumoto, Hiroshima Institute of Technology; Kosuke Kato, Hiroshima Institute of Technology; Hideki Katagiri, Hiroshima University	
F3-41-5	510	Type-2 Fuzzy Functional SIRMs Connected Inference Model	Hirosato Seki, Kwansei Gakuin University	

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Intelligent Control II

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

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F3-42-2	221	Various Perspectives for Driver Support Systems in Japan	Hiroshi TAKAHASHI, Shonan Institute of Technology	
F3-42-3	239	Development of automatic elevator navigation algorithm for JAUS compliant mobile robot	Ryosuke Amano, Hosei University; Yosuke Kurihara, Seikei University; Kajiro Watanabe, Hosei University; Kazuyuki Kobayashi, Hosei University	
F3-42-4	243	Accuracy Improvement of Magnetic Guidance Sensor using Fuzzy Inference System	Jichul Park, Pusan National University; Kyunghoon Jeong, Pusan National University; Jungmin Kim, Pusan National University; Sungshin Kim, Pusan National University	
F3-42-5	294	Computational intelligence for classification of patterned glass manufacturing using data from a glass furnace model	Herbert Costa, Centro Univ da FEI; Alessandro Neve, Centro Univ da FEI	

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Evolutionary Multiobjective Optimization and Multiple Criteria Decision Making II

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

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F3-43-2	281	A new local search method with the guarantee of local pareto optimality	Shinya Watanabe, Muroran Institute of Technology; Naoki Yokouchi, Muroran Institute of Technology	
F3-43-3	301	A Fundamental Study on the Effectiveness of Immune Algorithm for Multi-Objective 0/1 Knapsack Problem	Satoshi Ono, Kagoshima University; Ryota Morishige, Kagoshima University; Shigeru Nakayama, Kagoshima University	
F3-43-4	342	Reference Point-Based Search Scheme for Multiobjective Evolutionary Algorithm	Satoru Hiwa, Doshisha University; Tomoyuki Hiroyasu, Doshisha University; Hisatake Yokouchi, Doshisha University; Mitsunori Miki, Doshisha University; Masashi Nishioka, Doshisha University	
F3-43-5	196	Performance Comparison of Evolutionary Algorithms Applied to Hybrid Rocket Problem	Kazuhisa Chiba, Hokkaido Institute of Technology	

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Machine Learning and Its Application to Bioinformatics

Organizer: [Chair] Kilho Shin (University of Hyogo), Tetsuji Kuboyama (Gakushuin University)

F3-44-1	227	A Novel Kernel-based Gene Selection and Classification Scheme for Microarray Data	Hsiao-Yun Huang, Fu-Jen Catholic University; Hui-Yi Chang, Fu-Jen Catholic University; Jeng-Fu Liu, Fu-Jen Catholic University	
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F3-44-3	464	Dynamic labeling and tree kernels with gap penalties	Kilho Shin, University of Hyogo; Tetsuji Kuboyama, Gakushuin University	

F3-44-4	473	Finding Correlated Mutations among RNA Segments in H3N2 Influenza Viruses	Takaharu Shimada, Kyushu Institute of Technology; Tatsuya Hazemoto, Kyushu Institute of Technology; Shunsuke Makino, Kyushu Institute of Technology; Kouichi Hirata, Kyushu Institute of Technology; Kimihito Ito, Hokkaido University	
F3-44-5	474	A Trim Distance between Positions as Packaging Signals in H3N2 Influenza Viruses	Shunsuke Makino, Kyushu Institute of Technology; Takaharu Shimada, Kyushu Institute of Technology; Kouichi Hirata, Kyushu Institute of Technology; Kouki Yonezawa, Nagahama Institute of Bio-Science and Technology; Kimihito Ito, Hokkaido University	

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Geographic Information Systems and Intelligent Interaction

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Recommender Systems

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Room405

User Studies for Designing Web Interaction

Organizer: [Chair] Daisuke Kitayama (University of Hyogo), Hitomi Saito (Aichi University of Education), Kenta Oku (Ritsumeikan University)

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A New Frontier of Hybrid MCDM Model and Its Application

Organizer: [Chair] Gow-Hshiang Tzeng (Kainan University), Chiu-Hung Su (Hwa Hsia Institute of Technology), Hao-Lin Tseng (Kainan University)

F3-46-1	60	Application DANP with MCDM model explore to smartphone application	Chiu-Hung Su, Hwa Hsia Institute of Technology; Hao-Lin Tseng, Waseda University; FURUZUKI Takayuki, Waseda University; Gwo-Hshiang Tzeng, Kainan University	
F3-46-2	124	Efficiency Ranking in Fuzzy Two-Stage DEA: A Mathematical Programming Approach	Shiang-Tai Liu, Vanung University	
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Machine Learning and Data Mining II

Session Chair: Masaaki Ida (NIAD-UE)

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F3-54-2	265	Development of Web Service and Comparative Analysis of University Survey Data	Masaaki Ida, NIAD-UE	
F3-54-3	401	A Comparative Study on Sampling Techniques for Handling Class Imbalance in Streaming Data	Hien Nguyen, Ritsumeikan University; Eric Cooper, Ritsumeikan University; Katsuari Kamei, Ritsumeikan University	

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Application to Business I

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

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Pattern Classification and Clustering II

Organizer: [Chair] Yuchi Kanzawa (Shibaura Institute of Technology)

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