

6th November Room F1(202)

14:00 ~ 15:15 Fri.-1

●Evolutionary Computation and Swarm Intelligence I

Chair Akira Hara

527
Cartesian Ant Programming with Node Release Mechanism
Jun-ichi Kushida, Akira Hara, and Tetsuyuki Takahama

532
A New Distributed Modified Extremal Optimization for Optimizing Protein Structure Alignment
Keiichi Tamura, Hajime Kitakami, Tatsuhiro Sakai, and Yoshifumi Takahashi

525
Behavior Control of Multiple Agents by Cartesian Genetic Programming Equipped with Sharing Sub-programs among Agents

Akira Hara, Jun-ichi Kushida, Tomoya Okita, and Tetsuyuki Takahama

15:15 ~ 15:35

coffee break

15:35 ~ 16:50 Fri.-2

●Human-Machine System

Chair Takashi Hasuike

526
Identifying Main Topics in Density-based Spatial Clusters using Network-based Representative Document Extraction
Tatsuhiro Sakai, Keiichi Tamura, and Hajime Kitakami

535
Interactive Optimization Techniques Based on a Column Generation Model for Timetabling Problems of University Makeup Courses
Hiroto Komaki, Shunsuke Shimazaki, Kazutoshi Sakakibara, and Takuya Matsumoto

518
Intelligent Tutoring System: Approaches, Researches and e-Learning Solution
Hamidullah Sokout and Samiullah Paracha

18:00 ~

Banquet

7th November	Room S1(504) Sat.-A-1 ●Evolutionary Computation and Swarm Intelligence II Chair Keiichi Tamura	Room S2(605) Sat.-B-1 ●Data Mining and Information Retrieval Chair Tetsuhiro Miyahara
9:30 ~ 10:45	536 Adaptive Particle Swarm Optimization with Multi-dimensional Mutation Toshiki Nishio, Junichi Kushida, Akira Hara, and Tetsuyuki Takahama	530 Acquisition of Characteristic Block Preserving Outerplanar Graph Patterns from Positive and Negative Data using Genetic Programming and Tree Representation of Graph Patterns Yuto Ouchiyaama, Tetsuhiro Miyahara, Yusuke Suzuki, Tomoyuki Uchida, Tetsuji Kuboyama, and Fumiya Tokuhara
	539 Analysis of the Social Community Based on the Network Growing Model in Open Source Software Community Takumi Ichimura and Takuya Uemoto	506 Trie Compact Representation using Double-array Structures with String Labels Shunsuke Kanda, Masao Fuketa, Kazuhiro Morita, and Jun-ichi Aoe
	540 The Multi-Objective Optimization of Distribution System Management in Deregulated Electricity Market Ryo Tanaka, Shinya Sekizaki, Ichiro Nishizaki, and Tomohiro Hayashida	531 Towards Parallel Mining of Closed Patterns from Multi-Relational Data Masahiro Nagao and Hirohisa Seki
10:45 ~ 11:05	Coffee Break	
11:05 ~ 11:55	Sat.-A-2 ●Medical Informatics Chair Takumi Ichimura	Sat.-B-2 ●Intelligent Network Chair Tetsuya Shigeyasu
	520 Discussion about Training Effects of Haptic Guide Function for Endoscopic Forceps Operation Kumiko Motodoi, Tatsushi Tokuyasu, Toru Kusano, Masafumi Inomata, Norio Shiraishi, and Seigo Kitano	537 Performance Evaluation of MPTCP under Heterogeneous Channel Characteristics Jun Hashimoto and Tetsuya Shigeyasu
	523 Construction of Annotated Data for Analysis of Recorded Cortical Mapping Videos Toshihiko Nishimura, Tomoharu Nagao, Hiroshi Iseki, Yoshihiro Muragaki, Manabu Tamura, and Shinji Minami	511 Complex Network-based on Satellite Image Detection: A Case of Massive Green Macro Algae Bloom Fengjing Shao, Yi Sui, Changying Wang, and Ran Li
11:55 ~ 13:00	Lunch Time	
13:00 ~ 14:15	Keynote Talk: Room S1(504) Chair: Akira Hara Medical Image Understanding and Computational Anatomy Prof. Yoshitaka Masutani (Hiroshima City University)	
14:15 ~ 14:30	Coffee Break	

14:30 ~ 15:45	Room S1(504) Sat.-A-3 ●Neural Network	Room S2(605) Sat.-B-3 ●Image Processing and Recognition
Chair	Tomohiro Hayashida	Jun-ichi Kushida
	508 A Learning Method for SpikeProp without Redundant Spikes –Automatic Adjusting Delay of Connections– Takashi Matsumoto, Haruhiko Takase, Hiroharu Kawanaka, and Shinji Tsuruoka	515 Semantic Segmentation Considering Location and Co-occurrence in Scene Ken Shimazaki and Tomoharu Nagao
	509 Pseudo-Potentiality Maximization for Improved Interpretation and Generalization in Neural Networks Ryotaro Kamimura	512 SIFT Based Approach on Bangla Sign Language Recognition Farhad Yasir, P.W.C. Prasad, Abeer Alsadoon, and Amr Elchouemi
	516 Adaptive Fully Tuned RBF Neural Control of MEMS Gyroscope Yunmei Fang, Juntao Fei, and Dan Wu	541 Image Thresholding Based on Index of Fuzziness and Fuzzy Similarity Measure Gulpi Qorik Oktagalu Pratamasunu, Agus Zainal Arifin, Anny Yuniarty, Dini Adni Navastara, Arya Yudhi Wijaya, Wijayanti Nurul Khotimah, Zhencheng Hu, and Akira Asano
15:45 ~ 16:05	Coffee Break	
16:05 ~ 17:20	Sat.-A-4 ●Intelligent Systems and Applications	Sat.-B-4 ●Computational Intelligence Methods for Data Analysis
Chair	Kosuke Kato	Tomohiro Hayashida
	538 Recommendation System of Grants-in-Aid for Researchers by using JSPS Keyword Shin Kamada, Takumi Ichimura, and Takanobu Watanabe	533 A Non-Gaussian Approach for Biosignal Classification Based on the Johnson SU Translation System Hideaki Hayashi, Yuichi Kurita, and Toshio Tsuji
	507 An Intelligent Home Energy Management System with Classifier System Shinya Sekizaki, Tomohiro Hayashida, and Ichiro Nishizaki	534 Feature Selection for Accurate Short-term Forecasting of Local Wind-speed Usman Sanusi and David Corne
	542 A Study for Retailer's Risk Hedge Considering Responses of Consumers in Electricity Deregulation Kentaro Uehara, Shinya Sekizaki, Ichiro Nishizaki, and Tomohiro Hayashida	528 Hybrid Method for Gait Recognition Using SVM and Bayesian Network A. Gupta, P.W.C. Prasad, Abeer Alsadoon, and Kamini Bajaj
17:20 ~ 17:30	Closing Session Room S1(504)	