

IEEE GrC 2014 Technical Session Program

(Note: Presentation of each paper is 20 minutes including discussion)

The 1st day: October 22 (Wednesday), 2014

13:30--15:30

Session Room 1

SS2: GrC-based Approaches to Uncertainty

Organizer: Dr. Yasuo Kudo

Chair: Dr. Yasuo Kudo

(1) G276:

Hiroshi Sakai, Mao Wu, Naoto Yamaguchi, Chenxi Liu, and Michinori Nakata,
Reconsideration of Rules in Tables with Non-deterministic Data

(2) G277:

Michinori Nakata and Hiroshi Sakai,
Rule Induction Based on Rough Sets from Possibilistic Information under Lipski's Approach

(3) G278:

Mayuka F. Kawaguchi and Michiro Kondo,
A Correspondence between Implicational Fragment Logics and Fuzzy Logics

(4) G282:

Seiki Akama, Tetsuya Murai, and Yasuo Kudo,
Da Costa Logics and Vagueness

Session Room 2

Neural Network and Evolutionary Computation

Chair: Dr. Makoto Fukumoto

(1) G236:

Makoto Fukumoto,
User's Manual Operation for Vectors in Interactive Differential Evolution for Optimizing Fragrance Composition

(2) G207:

Huanhuan Wang, Xiaoyu Liu, and Yi Chen,

Detection of Capsule Foreign Matter Defect Based on BP Neural Network

(3) G235:

Lifang Chen, Xiao Lu, and Zhidian Du,

RBF Neural Network Modeling Based on PCA Clustering Analysis

(4) G251:

Cheng-I Chen, Yeong-Chin Chen, Yuan-Chieh Chin, and Hung-Lu Wang,

Design of Neural Network-Based Phasor Measurement Unit for Monitoring of Power System

Session Room 3

SS: Complex Science

Organizer: Prof. Shuliang Wang

Chair: Prof. Shuliang Wang

(1) G294:

Jianmin Zhang, Wenxiang Cao, and Ping Zeng,

A Study on the Relationship among Entrepreneurship Education, Social Capital and College Students' Entrepreneurial Intention

(2) G295:

Zhan Zheng, We Zhao, Xiaojing Zhen, Tianqi Cai, and Yuanyuan Tai,

Complexity Science Management and Big Data

(3) G302:

Xiaolong Tao, Qiaoran Wang, and Junchen Hu,

The Empirical Research on the Dimensional Structure of Employee's Self-management

Conference Hall

SS1: Intelligent Data Analysis and Applications

Organizer: Prof. Tzung-Pei Hong

Chair: Prof. Yu-Ru Syau

(1) G256:

Chao-Chun Chen, Yen-Ju Tsai, Chi-Yin Lin, Ting-Yu Hu, and Rain Chen,

Service Activity-based Provision Mechanism for Cloud Computing Systems: A Case Study of Cloud Patent Map System

(2) G257:

Yu-Ru Syau and En-Bing Lin,
On Variable Precision of Generalized Rough Sets

(3) G259:

Shi-Jim Yen, Wei-Liang Chen, Jr-Chang Chen, Shun-Chin Hsu, and I-Chen Wu,
An Improved Differential Evolution Algorithm with Priority Calculation for Unit Commitment Problem

(4) G260:

Eric Hsueh-Chan Lu, Yi-Wei Lin, and Jing-Bin Ciou,
Mining Mobile Application Sequential Patterns for Usage Prediction

(5) G202:

Yungho Leu, Chien-Pan Lee, and Ai-Chen Chang,
A Hybrid Method for Gene Selection in Microarray Datasets

(6) G258:

Ta-Wei Hung, Mu-En Wu, Chuan-Ju Wang, William W.Y. Hsu, and Jan-Ming Ho,
On the Design of Trading Schemes of Equity Funds Based on Random Traders

15:40--17:20

Session Room 1

SS2: GrC-based Approaches to Uncertainty

Organizer: Dr. Yasuo Kudo

Chair: Prof. Hiroshi Sakai

(1) G279:

Ryo Hanada, Daisuke Kitakoshi, and Masato Suzuki,
Analysis of a System for Dementia Prevention Based on the Concept of Human-Agent Interaction

(2) G280:

Yasuo Kudo and Tetsuya Murai,

Interrelationship Mining from a Viewpoint of Rough Sets on Two Universes

(3) G281:

Takuya Hamakawa and Masahiro Inuiguchi,

On the Utility of Imprecise Rules Induced by MLEM2 in Classification

Session Room 2

Rough Sets and Granular Computing 1

Chair: Prof. Marcin Szczuka

(1) G233:

Ali Baraka, George Panoutsos, Mahdi Mahfouf, and Stephen Cater,

A Shannon Entropy-Based Conflict Measure For Enhancing Granular Computing-Based Information Processing

(2) G231:

Jun Meng and Tsauyoung Lin,

Regarding Covering as a Collection of Binary Relations

(3) G248:

Shusaku Tsumoto and Shoji Hirano,

Formal Analysis of Cross-Validation Based on Decremental Sampling Scheme

(4) G249:

Shusaku Tsumoto and Shoji Hirano,

Probabilistic Rule Induction Based on Incremental Sampling Scheme

Conference Hall

SS1: Intelligent Data Analysis and Applications

Organizer: Prof. Tzung-Pei Hong

Chair: Prof. Chun-Hao Chen

(1) G261:

Chia Hua Li, Cheng-Wei Wu, and Vincent S. Tseng,

Efficient Vertical Mining of High Utility Quantitative Itemsets

(2) G262:

Chun-Hao Chen and Ching-Yu Hsieh,

A Multi-objective Genetic Stock Portfolio Mining Approach with Investor's Requests

(3) G263:

Yeong-Chyi Lee, Qing-Fu Qi, Tzung-Pei Hong, and Chun-Hao Chen,
A GA-based Scheduling Algorithm on Parallel Machines with Heterogeneous Mounted Molds

(4) G264:

Yu-Hang Lin, Ju-Chin Chen, and Kawuu W. Lin,
Integration of Texture and Depth Information for Robust Object Tracking

(5) G265:

Ja-Hwung Su, Chun-Yen Wang, Ting-Wei Chiu, Josh Jia-Ching Ying, and Vincent S. Tseng,
Semantic Content-Based Music Retrieval Using Audio and Fuzzy-Music-Sense Features

(6) G266:

Wei-Tee Lin and Chih-Ping Chu,
Using Appropriate Number of Computing Nodes for Parallel Mining of Frequent Patterns