

ISII2010/ISIKM2010 Program

September 6 (Monday)

08:30--08:50

Opening

Chair: Prof. Xiangpei Hu (Dalian University of Technology, China)

08:50--09:50

Keynote Speech I

Minimally Invasive Surgery for Epilepsy with Low Risk of Residual Disability

-Interim Report-

Prof. Takeshi Yamakawa, Kyushu Institute of Technology, Japan

Chair: Prof. Tzung-Pei Hong (National University of Kaohsiung, Taiwan)

September 6 (Monday) 10:00--11:30

A1: Soft Computing (I)

Chair: Prof. Feng-Tse Lin (Chinese Culture University, Taiwan)

A1-01

ISII2010-016

Proposal for Fuzzy-Based 3D Region Growing Method and Its Application for Computer-Aided Diagnosis System

Tatsushi Tokuyasu, Takashi Shuto, Kenji Yufu, Shotaro Kanao, Akira Marui
and Masashi Komeda

A1-02

ISII2010-057

Tolerance and Similarity Relations in Definition of Rough Approximations

Liping An and Zengqiang Chen

A1-03

ISII2010-141

Genetic Programming Based Perceptual Shaping of a Digital Watermark in the Wavelet Domain

Asma Ahmad and Anwar M. Mirza

A1-04

ISII2010-175

A Fuzzy Regression Based Support Vector Machine (SVM) Approach to Fuzzy Classification

Yu Chen, Witold Pedrycz and Junzo Watada

A1-05

ISII2010-208

Research on the Basic Criteria for Interval Type-2 Fuzzy Inference

Peng Yan, Yunjie Zhang and Hong Wang

A1-06

ISII2010-300

Performance Comparison of Differential Evolution and Genetic Algorithms for the Fuzzy Transportation Problem

Feng-Tse Lin

September 6 (Monday) 10:00--11:30

B1: Image Processing (I)

Chair: Prof. Tian Song (Tokushima University, Japan)

B1-01

ISII2010-038

Infrared Small Target Detection and Tracking Based on Mathematical Morphology

Xiangzhi Bai, Fugen Zhou, Ting Jin and Zhaoying Liu

B1-02

ISII2010-095

An Efficient Motion Estimation Algorithm for H.264/AVC Encoder by Using New Searching Strategy

Jinqing Qi, Hao Wu and Yan Yu

B1-03,

ISII2010-126

MVC Algorithm Using Depth Map through an Efficient Side Information Generation

Ji-Hwan Yoo, Young-Ho Seo, Dong-Wook Kim, Manbae Kim and Ji-Sang Yoo

B1-04

ISII2010-170

Local Stereo Matching with Adaptive Cost Aggregation Based on Nonlinear Diffusion

Li Li and Caiming Zhang

B1-05

ISII2010-227

Efficient Deblocking Filter Architecture for High-Resolution Applications of H.264/AVC

Tomohiro Akita, Naoyuki Hirai, Tian Song, and Takashi Shimamoto

B1-06

ISII2010-228

Complexity Reduction Algorithm for Enhancement Layer of H.264/SVC

Kentaro Takei, Takafumi Katayama, Tian Song and Takashi Shimamoto

September 6 (Monday) 10:00--11:30

C1: Particle Swarm Optimization

Chair: Prof. Ren-Jieh Kuo (National Taiwan Univ. of Science and Tech., Taiwan)

C1-01

ISII2010-009

Normal Vector-Controlled Particle Swarm Optimization Algorithm for Solving Bi-Level Linear Programming Problem

Ren-Jieh Kuo, C. C. Huang and Tung-Lai Hu

C1-02

ISII2010-076

The Optimization of Decision Tree Building Algorithm in Topological Relations Query

Wenbin Wang, Wenyuan Liu and Shiwei Gao

C1-03

ISII2010-147

Hybrid Optimization Method for Electric Machine Design

Sang-Bong Rhee, Kyu-Ho Kim and Sang-Keun Lee

C1-04

ISII2010-157

A Competitive Particle Swarm Optimization for Finding Plural Acceptable Solutions

Yu Taguchi, Hidehiro Nakano, Akihideo Utani, Arata Miyauchi and Hisao Yamamoto

C1-05

ISII2010-236

A Particle Swarm Optimization Algorithm with Equilibrium Distribution Parameter for Global Path Planning of AUV

Wei Zu, Hongxing Chang, Guoliang Fan and Jianqiang Yi

C1-06

ISII2010-241

Adaptive Watermark Strength Selection Using Particle Swarm Optimization

Muhammad Ishtiaq, Bushra Sikandar, M. Arfan Jaffar and Aziz Khan

September 6 (Monday), 10:00--11:30

D1: Fuzzy Control

Chair: Prof. Shaocheng Tong (Liaoning University of Technology, China)

D1-01

ISII2010-087

Fault Detection and Diagnosis for Process Control Rig Using Artificial Intelligent
Rubiyah Yusof, Ribhan Zafira Abdul Rahman and Marzuki Khalid

D1-02

ISII2010-158

Fuzzy Backstepping Control Using Improved PSO for Permanent Magnet Synchronous
Motor
Ming Yang and Xingcheng Wang

D1-03

ISII2010-201

Adaptive Fuzzy Backstepping Output Feedback Control for Nonlinear Systems with
Unknown Sign of High-Frequency Gain
Changliang Liu, Shaocheng Tong and Yongming Li

D1-04

ISII2010-202

Application of Type-2 Fuzzy Logic System in Indoor Temperature Control
Tao Wang, Long Li and Shaocheng Tong

D1-05

ISII2010-210

Feedback Control of Networked Switched Fuzzy Time-Delay Systems Based on Observer
Yi Liu, Li-Ying Sun, Bao-Chun Lu and Ming-Zhu Dai

D1-06

ISII2010-225

A Controller Design for T-S Fuzzy Model with Reconstruction Error
Hugang Han and Yanchuan Liu

September 6 (Monday), 10:00--11:30

E1: Information Management (I)

Chair: Prof. Wenli Li (Dalian University of Technology, China)

E1-01

ISII2010-010

An Empirical Study of the Relationship between Complementary Resources and IT Capability: A Resource-Based Perspective

Wenli Li, Shijie Li and Yulong Ke

E1-02

ISII2010-067

Adaptive Support of e-Portfolio Knowledge for Student Ubiquitous Learning

Chih-Kun Ke, Wei-Tu Chen and Mei-Yu Wu

E1-03

ISII2010-163

Forecast the Amount of Import and Export in Vietnam by Applying Grey Method

Jui-Fang Chang, Tien-Chin Wang, Truong Ngoc Anh and Wan-Tseng Chang

E1-04

ISII2010-172

Conditional Anonymous Compact E-Cash with Auditable Tracing

Qian Wang

E1-05

ISII2010-239

Modeling of Enterprises Risk Management and Its Robust Solution Method

Min Huang, Yanli Huo, Chunhui Xu and Xingwei Wang

E1-06

ISIKM2010-067

Employee Performance Assessment of State-Owned Enterprise Based on Super-Efficient DEA Model

Chengcheng Bai, Junhai Ma and Chengyi Xia

September 6 (Monday), 13:00--14:30

A2: Soft Computing (II)

Chair: Prof. Huey-Ming Lee (Chinese Culture University, Taiwan)

A2-01

ISII2010-262

Fuzzy Opinion Survey Based on Interval Value

Lily Lin, Huey-Ming Lee and Jin-Shieh Su

A2-02

ISII2010-263

Fuzzy System Reliability Analysis Using Level (λ , 1) Fuzzy Numbers

Huey-Ming Lee, Jin-Shieh Su and Teng-San Shih

A2-03

ISII2010-264

Fuzzy Regression Analysis Based on Signed Distance Method

Teng-San Shih, Ming-Gar Lee, Chih-Chang Ho and Huey-Ming Lee

A2-04

ISII2010-273

A Relational Genetic Algorithm for Graph Coloring Problem

Yao-Tang Lin

A2-05

ISII2010-274

Shrinkage Estimated Adaptive Nearest Neighbor for Hyperspectral Image Classification

Hsiao-Yun Huang, Yuehjen E. Shao and Yung-Hsu Li

A2-06

ISII2010-278

On-Shelf Utility Mining with an Upper-Bound Measure

Guo-Cheng Lan, Tzung-Pei Hong and Vincent S. Tseng

A2-07

ISII2010-277

SMEs and Economic Growth: Entrepreneurship or Employment

Ming-Wen Hu

September 6 (Monday), 13:00--14:30

B2: Image Processing (II)

Chair: Prof. Manbae Kim (Kangwon National University, Korea)

B2-01

ISII2010-014

A Novel Image Encryption Algorithm Based on Double Hyper-Chaotic Systems

Enzeng Dong, Zaiping Chen, Zengqiang Chen, Haifen Li and Chengyi Xia

B2-02

ISII2010-037

The Enhancement of Stereoscopic Image and Hologram Based on Post-Processing of Depth and Color

Hyunjun Choi, Dong Hoi Kim, Kwanwook Lee and Manbae Kim

B2-03

ISII2010-064

Image Noise Removal Based on Image Detail Preserving

Yunfeng Zhang, Caiming Zhang and Hui Liu

B2-04

ISII2010-084

Applying Image Processing Technique to Radar Target Tracking Problems

Kuen-Cheng Wang, Yi-Nung Chung, Chao-Hsing Hsu and Tsair-Rong Chen

B2-05

ISII2010-182

Spatially Adaptive BayesShrink Thresholding with Elliptic Directional Windows in the Nonsampled Contourlet Domain for Image Denoising

Xiaohong Shen, Yulin Zhang and Caiming Zhang

B2-06

ISII2010-212

Statistical Layout of Improved Image Descriptor for Pedestrian Detection

Ming Bai, Yan Zhuang and Wei Wang

September 6 (Monday), 13:00--14:30

C2: Optimization (I)

Chair: Prof. Chao-Hsing Hsu (Chienkuo Technology University, Taiwan)

C2-01

ISII2010-104

Study of Parameters Selection in Finite Element Model Updating Based on Parameter Correction

Linren Zhou and Jinping Ou

C2-02

ISII2010-111

Gradient Optimized LSSVM for Prediction of Gas Consumption in Steel Industry

Jun Zhao, Xiaoping Zhang and Wei Wang

C2-03

ISII2010-124

Generation Alternation Model for Reducing the Number of Fitness Evaluations on Differential Evolution

Jun-ichi Kushida, Kazuhisa Oba and Katsuari Kamei

C2-04

ISII2010-130

Production Planning Based on Evolutionary Mixed-Integer Nonlinear Programming

Yung-Chien Lin, Yung-Chin Lin and Kuo-Lan Su

C2-05

ISII2010-186

A Self-Healing Method of E-Service Workflow Schedule

Hongbin Sun and Yunfen Zhou

C2-06

ISII2010-226

An Analysis for Parameter Configuration to Find a Trigger of Change

Rika Ito and Kenichi Kikuchi

September 6 (Monday), 13:00--14:30

D2: Intelligent System

Chair: Prof. Juhng-Perng Su (National Yunlin University of Science and Technology, Taiwan)

D2-01

ISII2010-169

Local Model Network Based Identification Algorithm for Nonlinear Systems

Lianming Sun, Weihong Zhu, Bo Hu and Yuanming Ding

D2-02

ISII2010-281

Reconstruction of a 3-D Object Model Using 2D Image Contours Data

Mei-Yung Chen, Jiang-Yu Guo and In-Yung Hung

D2-03

ISII2010-282

Gray Model Based Finite State Vector Quantization with Hierarchical Threshold

Yuan Been Chen

D2-04

ISII2010-283

Image-Guided Height Estimation for Unmanned Helicopter Landing

Shao-Fan Lien, Kuo-Hsien Hsia and Juhng-Perng Su

D2-05

ISII2010-284

Fuzzy Gain Scheduled Alpha-Beta-Gamma Filter Design Based on Particle Swarm Optimization Method

Ting-En Lee, Juhng-Perng Su and Ker-Wei Yu

D2-06

ISII2010-285

Multiple Robot System Applying in Chinese Chess Game

Song-Hiang Chia, Kuo-Lan Su, Sheng-Ven Shiau and Chia-Ju Wu

September 6 (Monday), 13:00--14:30

E2: Web System (I)

Chair: Prof. Masanori Takahashi (Tokai University, Japan)

E2-01

ISII2010-078

Stopping Automated Injection Attack Tools Based on Navigational Behavior

Jan-Min Chen

E2-02

ISII2010-144

An Efficient Incremental Algorithm for Mining Web Navigation Patterns with Dynamic Thresholds

Jia-Ching Ying and Vincent S. Tseng

E2-03

ISII2010-150

A Pluggable and Flexible Framework for Access Control

Limin Shen, Chengzhong Song and Dianlong You

E2-04

ISII2010-152

An RFID-Based Learning System Supporting Ubiquitous Context-Aware Bloom's Cognition Knowledge Analysis

Wen-Chih Chang, Te-Hua Wang and An-Sheng Li

E2-05

ISII2010-268

Using Web Service Technology in Development and Integration of Heterogeneous Expert Systems

Chung C. Chang and Shih-Chieh Hsieh

E2-06

ISII2010-269

From E-Inclusion to E-Collaboration: Leveraging Web 2.0 in E-Government

Hau-Dong Tsui, Chong-Yen Lee and Hsin-Ju Lin

September 6 (Monday) 14:40--16:10

A3: Fuzzy Logic and Applications

Chair: Prof. Wenyi Zeng (Beijing Normal University, China)

A3-01

ISII2010-005

Normalized IV-Distance, IV-Similarity Measure, IV-Entropy and IV-Inclusion Measure of Interval-Valued Fuzzy Sets and Their Relationship

Wenyi Zeng, Yibin Zhao and Xianchuan Yu

A3-02

ISII2010-011

Forecasting in Time Series Based on Generalized Fuzzy Logical Relationship

Wangren Qiu, Xiaodong Liu and Lidong Wang

A3-03

ISII2010-028

Fuzzy Similarity Inference Method and Its Application in Fuzzy System Modeling

Degang Wang, Wenyan Song and Hongxing Li

A3-04

ISII2010-082

Fuzzy Variable of Econometrics Based on Fuzzy Membership Function

Xiaoyue Zhou, Kaiqi Zou and Yanfang Wang

A3-05

ISII2010-083

Fuzzy Concept Lattice Construction and Bordat Method

Yinghui Huang, Guanyu Li and Dan Wang

A3-06

ISII2010-232

A Linguistic Truth-Valued Intuitionistic Fuzzy Algebra in Incomparable Information Systems

Hongliang Zheng, Li Zou and Da Ruan

September 6 (Monday) 14:40--16:10

B3: Image Processing (III)

Chair: Prof. Shinfeng D. Lin (National Dong Hwa University, Taiwan)

B3-01

ISII2010-092

Nonnegative Blind Source Separation by Iterative Volume Maximization with Fully Nonnegativity Constraints

Zuyuan Yang, Guoxu Zhou, Shuxue Ding and Shengli Xie

B3-02

ISII2010-120

A Hybrid Audio Watermarking Technique in Cepstrum Domain

Shinfeng D. Lin, Chao-Cyun Huang and Jia-Hong Lin

B3-03

ISII2010-204

A New Correction Algorithm for Rigid Translational Motion Artifacts in MRI

Wenju Li, Li Mei, Jianchun Zhao and Xinnian Wang

B3-04

ISII2010-229

Estimation of Finger Joint Angle Based on Surface EMG Signals and Its Signal Source Recognition

Yuki Hoashi, Yasutaka Yamamizu, Nozomu Araki, Yasuo Konishi, Kunihiko Mabuchi and Hiroyuki Ishigaki

B3-05

ISII2010-259

Bent Rate Based Bladder Abnormality Enhancement with Application to MR Cystography

Chaijie Duan, Kehong Yuan, Shanglian Bao and Zhengrong Liang

B3-06

ISII2010-265

Certificate of Authorization with Watermark Processing in Computer System

Nai-Wen Kuo, Huey-Ming Lee and Tsang-Yean Lee

September 6 (Monday) 14:40--16:10

C3: Optimization (II)

Chair: Prof. Tong Li (Hangzhou Dianzi University, China)

C3-01

ISII2010-027

Situation Distributions in a Special 3-Person 0-1 Game with Entropy

Dianyu Jiang

C3-02

ISII2010-050

A New Multiple Kernel Learning Based Least Square Support Vector Regression and Its Application in On-Line Gas Holder Level Prediction of Steel Industry

Xiaoping Zhang, Jun Zhao and Wei Wang

C3-03

ISII2010-102

A Robust Adaptive Beamforming Optimization Control Method via Second-Order Cone Programming for Bistatic MIMO Radar Systems

Fulai Liu, Changyin Sun, Jinkuan Wang and Ruiyan Du

C3-04

ISII2010-206

Traffic Flow Forecasting and Signal Timing Research Based on Ant Colony Algorithm

Wenge Ma, Yan Yan and Dayong Geng

C3-05

ISII2010-222

Supply Chain Optimization Model Based on Process and Generalized Inverse Optimization Methods

Xiangbin Zhang, Youyi Ni and Yamin Yuan

C3-06

ISII2010-223

Application of Plant Growth Simulation Algorithm on SMT Problem

Tong Li, Weiling Su and Jiangong Liu

September 6 (Monday) 14:40--16:10

D3: Advanced Control

Chair: Prof. Kou Yamada (Gunma University, Japan)

D3-01

ISII2010-052

The Parameterization of all Disturbance Observers for Discrete-Time Systems

Iwanori Murakami, Kou Yamada, Tatsuya Sakanushi, Takaaki Hagiwara, Yoshinori Ando
Da Zhi Gong and Masahiko Kobayashi

D3-02

ISII2010-053

The Parameterization of all Stabilizing Simple Repetitive Controllers with the Specified Input-Output Characteristic

Iwanori Murakami, Tatsuya Sakanushi, Kou Yamada, Yoshinori Ando, Takaaki Hagiwara
and Shun Matsuura

D3-03

ISII2010-086

Set Stabilization of Chua's Circuit via Hybrid Control Strategy

Xiangze Lin, Yongqian Ding and Shihua Li

D3-04

ISII2010-123

Volterra Series Model Based Adaptive Linearization Scheme for OFDM System

Yuanming Ding, Lianming Sun and Chengsheng Pan

D3-05

ISII2010-159

Applying Kalman Filter-Based Fusion Algorithm to Estimation Problems

Chung-Lain Lu, Yi-Nung Chung, Chih-Min Lin, Chin-Chung Yu and Tsair-Rong Chen

D3-06

ISII2010-207

Control Design for the Rössler System by Using Differential Geometric Method

Ping Han, Dongmei Shi and Lihui Song

September 6 (Monday) 14:40--16:10

E3: Wired, Wireless Networks

Chair: Prof. Chao-Hsing Hsu (Chienkuo Technology University, Taiwan)

E3-01

ISII2010-044

Study of Shore-Based AIS Network Link Capacity

Chang Liu and Xinyu Wang

E3-02

ISII2010-079

A Collaborative Distributed Strategy for Target Tracking in Wireless Sensor Networks

Qinghua Gao, Minglu Jin, Jie Wang and Wenlong Liu

E3-03

ISII2010-127

Design of Node with SOPC in the Wireless Sensor Network

Jigang Tong, Zhenxin Zhang, Qinglin Sun and Zengqiang Chen

E3-04

ISII2010-164

Design and Implementation of a Novel Monitoring System for Container Logistics Based on Wireless Sensor Networks and GPRS

Kezhi Wang, Shan Liang, Xiaodong Xian and Qinyu Xiong

E3-05

ISII2010-224

A Study on Optimal Design of Wired Communication Networks in Rural Areas

Jiangong Liu, Weiling Su and Tong Li

E3-06

ISII2010-276

The Application of GSM Mobile Phone to the Automatic Customer Outage Reporting System

Chih-Chung Wang, Tsair-Rong Chen, Hong-Wei Sian and Jong-Bi Wei

September 6 (Monday) 16:20--17:50

A4: Neural Networks

Chair: Prof. Hiroshi Wakuya (Saga University, Japan)

A4-01

ISII2010-108

Chaos in Small-World Cellular Neural Network

Qiaolun Gu and Tiegang Gao

A4-02

ISII2010-119

Music Emotional Classification Research Based on BP Neural Network

Jijun Wang, Ning Chen and Kuo Zhang

A4-03

ISII2010-156

An Adaptive Selection Scheme of Forwarding Nodes in Wireless Sensor Networks Using a Chaotic Neural Network

Tomoyuki Sasaki, Hidehiro Nakano, Akihide Utani, Arata Miyauchi and Hisao Yamamoto

A4-04

ISII2010-171

Investigating Supervised Neural Networks to Intrusion Detection

Iftikhar Ahmad, Azween Abdullah and Abdullah Alghamdi

A4-05

ISII2010-234

Prediction of Density and Mechanical Properties in Syntactic Foam Using Artificial Neural Network

Changjun He, Huijian Li, Wei Yu, Xiaoman Liu, Xi Liang and Haiyan Peng

A4-06

ISII2010-237

Biomimetic Signal Decomposition by a Neural Network with Structural Pruning

Hiroshi Wakuya and Masaya Mutsukado

September 6 (Monday) 16:20--17:50

B4: Circuit Systems

**Chair: Dr. Amphawan Julsereewong (King Mongkut's Institute of Technology
Ladkrabang, Thailand)**

B4-01

ISII2010-007

Electro-Ocular Measurement and Control Technique by Integrating Virtual Instrument
Kai-Chao Yao and Wei-Tzer Huang

B4-02

ISII2010-015

Design of an Inductor-Based WLED Driver Using Clean Energy Power Supplies
Kei Eguchi, Sawai Pongswatd, Toshiya Watanabe, Hongbing Zhu, Kitti Tirasesth
and Hirofumi Sasaki

B4-03

ISII2010-251

Dual Slope Analog-to-Digital Converter Using Simple CCII-Based Integrator
Krit Smerpitak, Amphawan Julsereewong and Hirofumi Sasaki

B4-04

ISII2010-252

A Multi-Phase Clock Type Voltage Controlled Oscillator Used as Base Clock in Digital PLL
Hirotohi Sasaki, Takahiro Hirose, Kuniaki Fujimoto, Hirofumi Sasaki
and Mitsutoshi Yahara

B4-05

ISII2010-253

Interface Circuit for Single Active Element Resistive Sensors
Amphawan Julsereewong, Prasit Julsereewong, Tipparat Rungkhum, Hirofumi Sasaki
and Hiroshi Isoguchi

B4-06

ISII2010-254

Design of $3\times/4\times$ Step-up AC-DC Converters for RFID Tags
Sawai Pongswatd, Kei Eguchi, Tatsuya Sugimura, Toshiya Watanabe, Kitti Tirasesth
and Hirofumi Sasaki

September 6 (Monday) 16:20--17:50

C4: Optimization (III)

Chair: Prof. Xuping Wang (Dalian University of Technology, China)

C4-01

ISIKM2010-017

Content- and Semantic-Based Progressive Multimodal Image Retrieval

Haiyu Song, Xiongfei Li, Pengjie Wang and Xiaoli Zhang

C4-02

ISIKM2010-047

A Comparison of Heuristic Approaches to the Travelling Salesman Problem

Udom Janjarassuk

C4-03

ISIKM2010-114

Emergency Resource Location and Allocation under Uncertainty of Disaster Degree

Xuping Wang, Li Dong, Chao Ma and Mingtian Chen

C4-04

ISIKM2010-140

A Hybrid SVM-FLC Approach to MAP Speaker Adaptation for Speech Recognition

Ing-Jr Ding

C4-05

ISIKM2010-155

Genetic Programming Based Robust Image Watermarking Using Wavelet and Morton Order

Almas Abbasi, Zahoor Jan, Arfan Jaffar and Anwar M. Mirza

C4-06

ISIKM2010-158

A Fuzzy Set-Theoretic Approach to the Weak Strategic Alliance for the Survival of Multiple Service Centers in Express Courier Services

Ki Ho Chung, Hyun Jeung Ko, Friska Natalia Ferdinand and Chang Seong Ko

September 6 (Monday) 16:20--17:50

D4: Control System Design

Chair: Prof. Takao Sato (University of Hyogo, Japan)

D4-01

ISII2010-054

A Design Method for Internal Model Controllers for Minimum-Phase Unstable Plants

Zhong Xiang Chen, Kou Yamada, Nghia Thi Mai, Iwanori Murakami, Yoshinori Ando
Takaaki Hagiwara and Tatsuya Hoshikawa

D4-02

ISII2010-055

A Design Method for Robust Stabilizing Modified PID Controllers for Multiple-Input/Multiple-Output Time-Delay Plants with Uncertainty

Takaaki Hagiwara, Kou Yamada, Yoshinori Ando, Iwanori Murakami, Shun Matsuura
and Satoshi Aoyama

D4-03

ISII2010-068

PID Control Based on Generalized Minimum Variance Control Using Steady-State Predictive Output

Takao Sato, Nozomu Araki, Yasuo Konishi and Hiroyuki Ishigaki

D4-04

ISII2010-072

Output Feedback Switching Controller Design for State-Delayed Linear Systems with Input Quantization and Disturbances

Zhaobing Liu, Huaguang Zhang, Qiuye Sun and Dongsheng Yang

D4-05

ISII2010-094

SMC Design Based on a Class of Nonsmooth Switching Surfaces

Jinbai Gu, Kai Zheng, Xingcheng Wang and Ming Yang

D4-06

ISII2010-256

Backstepping Controller Design for a Manipulator with Compliance

Cheng-Yi Chen, Marvin H.-M. Cheng and Chien-Hua Lee

September 6 (Monday) 16:20--18:05

E4: Intelligent Informatics (I)

Chair: Prof. Jianping Yu (Yanshan University, China)

E4-01

ISII2010-030

Word Sense Disambiguation of English Modal Verbs by Support Vector Machines

Jianping Yu, Liang Huang and Jilin Fu

E4-02

ISII2010-137

Hiding Secret Information in Modified Locally Adaptive Data Compression Code

Chin-Chen Chang, Kuo-Nan Chen and Zhi-Hui Wang

E4-03

ISII2010-205

A Double-Stepping Run-Length Algorithm for Fast Circle Drawing

Lianqiang Niu, Binghong Li, Haiwen Feng and Tianxiang Zhu

E4-04

ISII2010-270

An Improvement on Li and Hwang's Biometrics-Based Remote User Authentication Scheme

Wen-Gong Shieh and Mei-Tzu Wang

E4-05

ISII2010-271

Security Analysis and Improvement of the Remote User Authentication Scheme without Using Smart Cards

Wen-Gong Shieh and Wen-Bing Horng

E4-06

ISII2010-272

Applying the Hybrid Rough Set Theory and Support Vector Machine in Credit Rating-Consideration of Intellectual Capital Indicator

Mu Shang Lee, Der-Jang Chi and Zone De Shen

E4-07

ISII2010-275

The Application of Bluetooth Control Air-Conditioning System for the Vegetative Patient at Home

Chih-Chung Wang, Jong-Bi Wei, Lin-Yen Lo and Tsair-Rong Chen

September 7 (Tuesday) 08:50--09:50

Keynote Speech II

Internet of Things: Next Generation of Internet?

Prof. De-Li Yang, Dalian University of Technology, China

Chair: Prof. Xiangwei Kong (Dalian University of Technology, China)

September 7 (Tuesday) 10:00--11:30

A5: Clustering and Classification (I)

Chair: Dr. Asako Ohno (Shijonawate Gakuen Junior College, Japan)

A5-01

ISII2010-121

Clustering Over an Evolving Data Stream Based on Grid Density and Correlation

 Jiadong Ren, Binlei Cai and Changzhen Hu

A5-02

ISII2010-154

Vulnerability Exploitability Quantitative Evaluation for Network Information System

 Hongyu Yang and Lixia Xie

A5-03

ISII2010-180

Intrusion Detection Using Bi-Classifer Based Genetic Algorithm

 Safdar Ali, Farrukh Aslam Khan and Waseem Shahzad

A5-04

ISII2010-231

Classification Accuracy Enhancement for an fNIRS Brain-Computer Interface Using Singular Spectrum Transformation

 Yinlai Jiang, Shuoyu Wang and Isao Hayashi

A5-05

ISII2010-240

Fundamental Study of Clustering Images Generated from Customer Trajectory by Using Self-Organizing Maps

 Asako Ohno, Tsutomu Inamoto and Hajime Murao

A5-06

ISII2010-255

A SVM-RBF Method for Solving Imbalanced Data Problem

 Lei Ding, Junzo Watada, Lim Chun Chew, Zuwairie Ibrahim, Lee Wen Jau
 and Marzuki Khalid

September 7 (Tuesday) 10:00--11:30

B5: Data Processing (I)

Chair: Prof. Jiadong Ren (Yanshan University, China)

B5-01

ISII2010-018

Heuristics for Joint Decisions in Domain Implementation and Verification

Zhiqiao Wu and Jiafu Tang

B5-02

ISII2010-031

Two-Way Query Log: A Block-Level Continuous Data Protection Indexing Structure

Guangjun Wu, Shupeng Wang, Binxing Fang, Xiaochun Yun and Xiangzhan Yu

B5-03

ISII2010-045

Ontology and Rule Combined Reasoning Framework Design

Guanyu Li, Yi Liu and Buwei Chen

B5-04

ISII2010-138

A Hierarchical SLAM Algorithm Characterized with Event-Driven Property

Xuefeng Dai, Lina Zhao and Yuan Guo

B5-05

ISII2010-266

Weighted Similarity Retrieval of Video Database

Ping Yu

B5-06

ISII2010-267

Job Scheduling of Retrieving Dynamic Pages from Online Auction Websites on Grid Architecture

Chong-Yen Lee, Hau-Dong Tsui and Ya-Chu Tai

September 7 (Tuesday) 10:00--11:30

C5: Multimedia Informatics

Chairs: Prof. Takashi Toriu, Prof. Hiromitsu Hama (Osaka City University, Japan)

C5-01

ISII2010-107

Dynamic Modeling of 3D Facial Expression

Jing Chi

C5-02

ISII2010-291

Implementation of a Circular Light Field Camera Array for 3D Display Based on the Reconstruction of Parallax Rays

Hideya Takahashi, Kenta Hirooka, Kenji Yamada and Tahito Aida

C5-03

ISII2010-292

A Method for Detecting Affine Invariant Key Points Using Difference of Elliptic Gaussian

Takuya Shiwaku, Takashi Toriu and Shigeyoshi Nakajima

C5-04

ISII2010-293

Measurement of Absolute Size of Moving Object Using an Omnidirectional Sensor Camera and Laser Range Sensor

Yuuki Fukui, Shigeyoshi Nakajima and Takashi Toriu

C5-05

ISII2010-294

Multivariate Web Information Reliability Search Engine

Hiromitsu Hama, Pyke Tin, Thi Thi Zin and Takashi Toriu

C5-06

ISII2010-295

HOG Embedded Markov Chain Model for Pedestrian Detection

Thi Thi Zin, Hiromitsu Hama, Pyke Tin and Takashi Toriu

September 7 (Tuesday) 10:00--11:30

D5: Control Applications

Chair: Prof. Shihua Li (Southeast University, China)

D5-01

ISII2010-077

Decoupling Control of 2-Link Manipulator

Linfeng Lan and Ryuichi Oguro

D5-02

ISII2010-128

Research on the Sensorless Control of SPMSM Based on a Reduced-Order Variable Structure MRAS Observer

Lipeng Wang, Huaguang Zhang, Zhaobing Liu, Limin Hou and Xiuchong Liu

D5-03

ISII2010-160

A PMSM Position Servo System Using Finite-Time Feedback Control and Feedforward Compensation for Friction and Disturbance

Xuan Zhou and Shi-hua Li

D5-04

ISII2010-173

Fault-Tolerant Control of Trains Based on Hybrid Redundancy

Taro Takagi and Masanori Takahashi

D5-05

ISII2010-221

Adaptive Control for Missile Systems with Parameter Uncertainty

Zhiwei Lin, Zheng Zhu, Yuanqing Xia and Shuo Wang

D5-06

ISII2010-230

Motion Control of an Omni-Directional Walker Using Adaptive Control Method

Renpeng Tan, Shuoyu Wang, Yinlai Jiang and Kenji Ishida

September 7 (Tuesday) 10:00--11:30

E5: Intelligent Informatics (II)

Chair: Prof. Zengqiang Chen (Nankai University, China)

E5-01

ISII2010-046

Vulnerability Assessment of Distribution Networks Based on Multi-Agent System and Quantum Computing

Xiangping Meng, Kaige Yan, Jingweijia Tan and Zhaoyu Pian

E5-02

ISII2010-047

Rendezvous of Multi-Agents with Nonlinear Inner-Coupling Functions

Qing Zhang, Zhengquan Yang and Zengqiang Chen

E5-03

ISII2010-075

A New Computation Method of the Geometric Properties for Range Data

Yi An, Cheng Shao, Xiaoliang Wang and Zhuohan Li

E5-04

ISII2010-118

Evaluating the Quality of Education via Linguistic Aggregation Operator

Ying Qiao, Xin Liu and Li Zou

E5-05

ISII2010-129

A High Curvature Bias Correction Method for the Ellipse Fitting

Peipei Li, Caiming Zhang, Yu Wei and Kunpeng Wang

E5-06

ISII2010-258

Development and Calibration of PC_Based Control System to Improve the Performance and Emissions of a 500cc Motorbike Engine

Wen-Chang Tsai, Peng-Cheng Yu, Kun-He Chen and Cing-Jhang Guo

September 7 (Tuesday) 13:00--14:30

A6: Genetic Algorithm Applications

Chair: Prof. Hyun Jeung Ko (Kunsan National University, Korea)

A6-01

ISIKM2010-025

Outlier Detection of Celestial Spectra Based on Modified GA

Jingchang Pan, Peng Wei, Caiming Zhang and Ali Luo

A6-02

ISIKM2010-056

Using Genetic Algorithm to Manage and Schedule Temperature Sensor Calibration

Teerawat Thepmanee and Ruedee Masuchun

A6-03

ISIKM2010-098

Multi-Objective Product Portfolio Selection Based on Association Mining for Cross-Selling Consideration

Zhihong Zhang, Jisong Kou, Fuzan Chen and Minqiang Li

A6-04

ISIKM2010-139

Exploration of Rotation Strategy for Value Premium of Stock Market

Deng-Yiv Chiu, Hsiao-Ching Lee and Cheng-Yi Shiu

A6-05

ISIKM2010-145

Missing Value Imputation Using Genetic Algorithm

Kairung Hengpraphrom, Sageemas Na Wichian and Phayung Meesad

A6-06

ISIKM2010-156

Strategic Partnership-Based Reconfiguration of Express Package Service Network with Extension of Consolidation Terminal Capacity

Chang Seong Ko, Eun Mi Yoon, Ki Ho Chung and Hyun Jeung Ko

September 7 (Tuesday) 13:00--14:30

B6: Signal Processing

Chair: Prof. Takashi Samatsu (Tokai University, Japan)

B6-01

ISII2010-026

Virtual Unitary-ESPRIT Algorithm for Joint DOD and DOA Estimation in Bistatic MIMO Radar

Fulai Liu, Changyin Sun, Jinkuan Wang and Ruiyan Du

B6-02

ISII2010-114

An Improved Hammerstein Predistorter for Power Amplifier with Memory Effects

Xiujie Si, Minglu Jin and Wenlong Liu

B6-03

ISII2010-177

Using Feature Attribute to Filter Noise in Radio Signal Recognition

Chao Zhang, Zheng Pei, Jianmei Cheng and Hongbao Cao

B6-04

ISII2010-185

Algorithms Comparison for Weak GPS Signal Tracking Based on KF

Xiyuan Chen, Zhe Liu, Xuefen Zhu and Lin Fang

B6-05

ISII2010-235

Signal Continuation Method of Limited Interval Boundary Based on Orthogonal Polynomials

Xin Jiang, Huijian Li and Baifeng Gao

B6-06

ISII2010-301

Optical Information Processing System in Optical Wave Microphone for Improvement of SNR

Takashi Samatsu, Motoki Iwahara and Yoshito Sonoda

September 7 (Tuesday) 13:00--14:30

C6: System Analysis

Chair: Dr. Hsiao-Yun Huang (Fu-Jen Catholic University, Taiwan)

C6-01

ISII2010-085

Determining the Sources of Variance Shifts in a Multivariate Process Using Flexible Discriminant Analysis

Yuehjen E. Shao, Hsiao-Yun Huang and Ying-Jen Chen

C6-02

ISII2010-099

Benchmark Analysis of a Control-Theoretical Approach to Feedback Scheduling

Martina Maggio and Alberto Leva

C6-03

ISII2010-100

Implementation and Evaluation of a Control-Theoretical Scheduler

Martina Maggio, Federico Terraneo and Alberto Leva

C6-04

ISII2010-122

Collaborative Filtering Algorithm Based on Feedback Control

Baoming Zhao and Guishi Deng

C6-05

ISII2010-149

On Extracting the User Requirements of a u-Healthcare System Using QFD Technique

Mincheol Kim and Youngbae Yang

C6-06

ISII2010-279

Simulated Shewhart Control Charts for Monitoring the Variance Components of Two-Factor Mixed Effect Model

Cheyu Hung and Ji Hong

September 7 (Tuesday) 13:00--14:30

D6: Modeling and Simulations

Chair: Prof. Yuanqing Xia (Beijing Institute of Technology, China)

D6-01

ISII2010-039

A First Approach to Artificial Cognitive Control System Implementation Based on the Shared Circuits Model of Sociocognitive Capacities

Alfonso Sanchez Boza and Rodolfo Haber Guerra

D6-02

ISII2010-069

A Novel Epidemic Model with Transmission Medium on Complex Networks

Chengyi Xia, Junhai Ma and Zengqiang Chen

D6-03

ISII2010-080

A Model for Position Relation between Regions

Miao Wang and Zhongxiao Hao

D6-04

ISII2010-161

Effects of the Consecutive Speed Humps on Chaotic Vibration of a Nonlinear Vehicle Model

Fei Liu, Shan Liang, Qin Zhu and Qinyu Xiong

D6-05

ISII2010-209

A Flow Algorithm of Optimal Multiplier Based on Current-Influx Model Retaining Nonlinearity in Electric Power Network

Baochun Lu, Baoguo Li, Yi Liu and Qihong Kou

D6-06

ISII2010-257

Analytic Solution of Shock Waves Equation with Higher Order Approximation

Valentin A. Soloiu, Marvin H.-M. Cheng and Cheng-Yi Chen

September 7 (Tuesday) 13:00--14:30

E6: Web System (II)

Chair: Prof. Jianping Yu (Yanshan University, China)

E6-01

ISIKM2010-024

Research on the Construction and Assessment of the Technical Control Models in Network Information Communication

Yao Liu

E6-02

ISIKM2010-051

A Deep Web Query Interface Automatic Identification Approach Based on SVM

Fuzhi Zhang, Junfeng Chang and Xianshuang Zhang

E6-03

ISIKM2010-086

A Resistance Capability Enhanced Trustworthiness Evaluation Approach for Web Services

Fuzhi Zhang, Panpan Jia and Jinbo Chao

E6-04

ISIKM2010-124

Utility Increasing Policy Based Reactively Dynamic Selection of Composite Service

Yu Dai, Lei Yang, Zhiliang Zhu and Bin Zhang

E6-05

ISIKM2010-144

Dictionary-Based Voting Text Classification for Multilingual Domain-Specific Web Pages

Chunyan Liang, Minfang Huang and Huiying Tian

E6-06

ISIKM2010-165

Service-Oriented RED Algorithm

Li Yang, Chengsheng Pan, Chunling Liu and Hui Guo

September 7 (Tuesday) 14:40--16:10

A7: Clustering and Classification (II)

Chair: Prof. Xiangwei Kong (Dalian University of Technology, China)

A7-01

ISIKM2010-041

Density-Based Subspace Clustering over Decayed Windows on Data Streams

Jiadong Ren, Shiyuan Cao and Changzhen Hu

A7-02

ISIKM2010-042

An Image Retrieval Method Based on Multiple Hyperspheres OC-SVM Hashing

Haiyan Fu, Xiangwei Kong, Nan Yang and Jianhui Zhou

A7-03

ISIKM2010-073

An Algorithm Based on Attributed Relational Graph for Name Disambiguation

Jingfeng Guo, Dandan Hao and Chao Zheng

A7-04

ISIKM2010-089

A Selected-Relay Scheme in Wireless Sensor Network

Xuefen Zhang, Changchuan Yin, Fangzhen Li and Jie Ding

A7-05

ISIKM2010-091

Cluster Number Estimation Based on Multiway Normalized Cut Criterion in Spectral Clustering

Sumuya, Chonghui Guo and Yunhui Zang

A7-06

ISIKM2010-097

Detection of Abnormal Behavior for Elderly Based on Human Motion Trajectory

Haitao Li and Lingfu Kong

September 7 (Tuesday) 14:40--16:10

B7: Data Processing (II)

Chair: Prof. Dongsoo Kim (Soongsil University, Korea)

B7-01

ISIKM2010-012

Mining Top-Rank-K Erasable Itemsets

Zhihong Deng and Xiaoran Xu

B7-02

ISIKM2010-023

Reducing Medication Errors Based on Auto-ID Technologies in Hospitals

Jong Soo Cho, Jaegon Jung and Dongsoo Kim

B7-03

ISIKM2010-053

Noise Averaging Effect of Privacy-Preserving Data Mining in Time-Series Databases

Yang-Sae Moon, Hea-Suk Kim and Sang-Pil Kim

B7-04

ISIKM2010-055

Semantic Similarity between Complex Named Entities: An Approach Using Multiple Web Resources

Hui Liu and Yuquan Chen

B7-05

ISIKM2010-116

Enterprise Application Integration through a Clustered Framework with Intelligent Agents

Dengjye Chen, Su-Hua Wang and Samadhiya Durgesh

B7-06

ISIKM2010-132

SOP (Skyline on the Path) Algorithm for Moving Objects

Woosik Lee, David Y. Jang and Taesoo Lim

September 7 (Tuesday) 14:40--16:10

C7: Communication System

Chair: Prof. Toshihiko Gima (Tokai University, Japan)

C7-01

ISIKM2010-026

The Case Study of RFID Innovative Application Services in National Palace Museum

Tsong-Yi Chen, Vaci Istanda and Chen-Wo Kuo

C7-02

ISIKM2010-030

Data Gathering Scheme with Transmission Power Control for Multiple-Sink and Large-Scale Wireless Sensor Networks

Masahito Maki, Akihide Utani and Hisao Yamamoto

C7-03

ISIKM2010-061

Secure Identity-Based Ad Hoc Protocols for Mobile Networks

Leyou Zhang, Yupu Hu and Qing Wu

C7-04

ISIKM2010-099

A Fair Payment Protocol Based on Mobile Agent without TTP

Baowen Wang, Xiuxian Zheng, Jie Zhang and Wenyuan Liu

C7-05

ISIKM2010-119

Analysis on Information Value Factors that Influence Satisfaction with Wireless Internet Service in South Korea – Focused on a Comparison between the Years 2003 and 2010

Mincheol Kim, Youngbae Yang and Nyamsuren Davaadorj

C7-06

ISIKM2010-164

Improvement on Backbone Nodes' Many-to-One Communication Collision Algorithm in Satellite Network

Chengsheng Pan, Haiyan Liu and Wei Yan

September 7 (Tuesday) 14:40--16:10

D7: System and Control

Chair: Prof. Jiqing Qiu (Hebei Univ. of Science and Tech., China)

D7-01

ISIKM2010-045

Synchronization for a Class of Dynamical Complex Networks with Coupling-Delay

Xinbin Li, Lamei Wang and Xian Liu

D7-02

ISIKM2010-052

Fuzzy Sentiment Inference (FSI) of Online Reviews for Consumer Recommendation

Narisa Zhao, Yuan Li, Deli Yang and Ying Liu

D7-03

ISIKM2010-074

Robust Passive Control for Uncertain Nonlinear Neutral Markovian Jump Systems with Mode-Dependent Time-Delays

Jiqing Qiu, Kunfeng Lu, Magdi S. Mahmoud, Na Yao and Xiaoming Du

D7-04

ISIKM2010-080

Robust H_∞ Control for Uncertain Nonlinear Singular Systems with Time-Varying Delay

Jiqing Qiu, Yanjun Wang, Xiaoming Du, Yanchun Zhao and Yuming Guo

D7-05

ISIKM2010-123

An LMI Approach to Reliable H_∞ Guaranteed Cost Control for Uncertain Non-Linear Stochastic Markovian Jump Systems with Mode-Dependent and Distributed Delays

Lianqing Su, Xiaodan Zhu, Changjie Zhou and Jiqing Qiu

D7-06

ISIKM2010-170

Adaptive Fuzzy Tracking Control for Induction Motors via Backstepping

Jinpeng Yu, Yumei Ma, Bing Chen and Haisheng Yu

September 7 (Tuesday) 16:20--17:50

E7: International Workshop on Internet of Things (I)

Chair: Prof. Zhengkui Lin (Dalian Maritime University, China)

E7-01

IWIOT2010-01

A Global Trust-Based Reputation Model in Multi-Hop Networks

Kun Wang, Jianmin Bao and Meng Wu

E7-02

IWIOT2010-02

Product Fuzzy Recommendation of Online Reviews Based on Consumer Psychological Motives

Zhengkui Lin, Narisa Zhao, Ying Liu, De-li Yang and Yuan Li

E7-03

IWIOT2010-03

Controllability of Fractional Impulsive Neutral Evolution Integrodifferential Inclusions with State-Dependent Delay in Banach Spaces

Zhixin Tai and Xingcheng Wang

E7-04

IWIOT2010-04

Spindle and Workpiece Information Collecting for Industrial Internet of Things

Yuqing Chen, Ge Guo, Ying Hu, Bo Ning and Wenchao Wang

E7-05

IWIOT2010-05

The Design and Application of Wireless Ad Hoc Maritime Communications System

Yu Gong, Xudong Wang, Rongxi He, Fuwen Pang and Chunli Gao

E7-06

IWIOT2010-07

An Empirical Study of DRER Model in Managing Temporal RFID Data

Lijuan Niu, Rong Chen, Xingqiang Zhou and Hong Yang

September 7 (Tuesday) 16:20--17:50

A8: Social Networks

Chair: Prof. Yunfu Huo (Dalian University, China)

A8-01

ISIKM2010-002

The Worm Diffusion Mechanism of the Chinese Farmer's Adoption Behavior of Mobile E-Commerce under Social Network Perspective

Huipo Wang and Yunfu Huo

A8-02

ISIKM2010-101

Off-Line Divisible E-Cash with All Nodes Spendable

Hongli Zhang, Jiahong Wang, Jie Zhang and Wenyuan Liu

A8-03

ISIKM2010-106

Applying a System of Computer Speech Synthesis to Special Educational Student of Vocational School for Administering Motorcycle Driver's License

L. T. Morris, Hong-Min Lin, Shu-Fen Nien and Wan-Ju Chen

A8-04

ISIKM2010-120

Fingerprint Matching Using Multiple Sets of Invariant Moments

Jucheng Yang

A8-05

ISIKM2010-154

Design and Simulation of Setting Pharmaceutical Service Fee without Drug Addition in Public Hospital

Bing Xu, Zuiyi Shen and Juying Zeng

A8-06

ISIKM2010-163

Wap Equity: Scale Development and Validation

Hui Guan, Xia Xie, Yunfu Huo and Yujun Feng

September 7 (Tuesday) 16:20--18:05

B8: Information Processing

Chair: Prof. Shuxue Ding (The University of Aizu, Japan)

B8-01

ISIKM2010-059

Feature Selection Method and Impact Power Factor for Watermelon Maturity Detection

Guan-Dong Gao, Gui-Fa Teng, Ke Xiao and Xiao-Ru Zhang

B8-02

ISIKM2010-065

Categories and New Developments of Three-Dimensional Reconstruction Using Triangulation Mesh

Yongde Zhang, Yanju Liu and Xuefeng Dai

B8-03

ISIKM2010-066

Japanese Dependency Analysis by Combining Graph-Based Model with Transition-Based Model

Huiwei Zhou, Degen Huang and Jie Gao

B8-04

ISIKM2010-087

Equipment-Level Planned Capacity Modeling Based on Time States Analysis and Sensitivity Analysis in Semiconductor Manufacturing

Bo Li and Wenrong Li

B8-05

ISIKM2010-093

A Novel Structure of FPGA-Based Viterbi Decoder

Honglie Zhang, Guoyin Zhang, Aihong Yao and Ling Li

B8-06

ISIKM2010-103

Event-Based Real-Time Process Monitoring Using State Transition Lattice

Bokyoung Kang, Nam Wook Cho, Jae-Yoon Jung and Suk-Ho Kang

B8-07

ISIKM2010-133

On the Image Encryption via Compressed Sensing

Gesen Zhang, Shuhong Jiao and Xiaoli Xu

September 7 (Tuesday) 16:20--17:50

C8: Information Management (II)

Chair: Prof. Takanori Osaki (Meijo University, Japan)

C8-01

ISII2010-091

Syntactic Feature Based Word Sense Disambiguation of English Modal Verbs by Naive Bayesian Model

Jianping Yu, Jilin Fu and Jianli Duan

C8-02

ISIKM2010-048

A Study on Premium Marketing: The Case of Lexus in Japan

Takanori Osaki

C8-03

ISIKM2010-058

Context Tree Model for Knowledge Reuse

Jianjun Wang, Lujun Miao and Ping He

C8-04

ISIKM2010-084

An Integrated Representation of Context-Based Demand and Supply Knowledge for Supporting Foreign Students' Chinese Mobile Language Learning

Khalil Al-mekhlafi, Xiangpei Hu, Lijun Sun and Ziguang Zheng

C8-05

ISIKM2010-122

Possibility of Activating the City's Central Commercial Businesses

Toshihiko Gima

C8-06

ISIKM2010-161

Research on Relationship of the Brand Equity, Brand Relationship and Brand Loyalty for Mobile Shopping Site – Based on Customers' Perspective

Hui Guan, Yunfu Huo and Yujun Feng

September 7 (Tuesday) 16:20--17:50

D8: Information Management (III)

Chair: Prof. Mingzheng Wang (Dalian University of Technology, China)

D8-01

ISIKM2010-094

Analysis of Business Process Efficiency Based on Task Assignments

Zhenguo Wang, Jaehyun Kong, Hyerim Bae and Dong-Soo Kim

D8-02

ISIKM2010-100

A Generalized Signcryption Scheme with Forward Security of Multiple Private Key Generators

Wenyuan Liu, Zecui Xie, Jie Zhang, Baowen Wang and Yali Si

D8-03

ISIKM2010-127

IT Service Vendor Screening Contract Based on Principal-Agent Theory

Mingzheng Wang and Changyan Shao

D8-04

ISIKM2010-131

Hidden-Node-Based NNE for Financial Decision Applications

Jin Tian, Minqiang Li and Fuzan Chen

D8-05

ISIKM2010-157

Research on Identification of Relative Pair for Product Reviews

Qian Wang and Xiao-Hua Chen

D8-06

ISIKM2010-159

Measuring RFID Visibility via a Concept of Information Freshness

Hoontae Kim, Youngjin Kim and Minsoo Kim

September 7 (Tuesday) 16:20--17:50

E8: International Workshop on Internet of Things (II)

Chair: Prof. Zhengkui Lin (Dalian Maritime University, China)

E8-01

IWIOT2010-08

Correlation Models of Interdependency and Protection in Critical Infrastructure Networks

Yanxin Wang and Xiangyang Li

E8-01

IWIOT2010-09

A State Space-Based Solution Approach to Disruption Management Problems in the Distribution Industry

Minfang Huang, Yanxin Wang, Xiangpei Hu and Yanan Wang

E8-02

IWIOT2010-11

A Novel Modulation Technology Suitable for Wireless Sensor Network

Mingyan He, Dequn Liang, Jinli Wang and Jingli Zhang

E8-03

IWIOT2010-12

Ultimately Uniformly Bounded Adaptive Tracking Fuzzy Control for Nonlinear System with Unknown Dead-Zone

Junsheng Ren, Xianku Zhang and Jianchuan Yin

E8-04

IWIOT2010-13

Marine Market Forecasting Using Extension Neural Network

Wei Li, Zhengjiang Liu and Jiakuan Yang

E8-05

IWIOT2010-14

A Two-Stage Semi-Supervised Weighted Naive Credal Classification Model

Rui-Hua Qi and De-Li Yang