

# December 13th, 2010

Registration Open 08:30 ~

08:40~  
09:00

Coffee Break

09:00~  
09:50

Samda Hall  
Chair : Osvaldo Gervasi

*Introduction to Perception-based Computing*

Prof. Andrzej Skowron  
University of Warsaw, Poland

10:00~  
10:50

Samda Hall  
Chair : Osvaldo Gervasi

*Social Networks: Research and Applications*

Prof. Ruay-Shiung Chang  
Department of Computer Science and Information Engineering,  
National Dong Hwa University

11:00~  
11:50

Samda Hall  
Chair : Ruay-Shiung Chang

*The Open Source Software revolution of the IT business*

Dr. Osvaldo Gervasi  
Dept. of Mathematics and Computer Science,  
University of Perugia, Italy

11:50~  
13:00

Lunch Time

13:00~  
13:25

Samda Hall  
Chair :

*Software Test Coverage Using an Ant Colony Optimization*

Praveen Ranjan Srivastava  
Birla Institute of Technology and Science (BITS), Pilani, India

13:30~ 13:55	<b>Samda Hall</b> Chair :					
	<b>Collaborative Geospatial Data As Applied to Disaster Relief: Haiti 2010</b>					
<b>Mr. A.J. Clark</b> <b>President of Thermopylae Sciences and Technology (TST)</b> <b>Director of the Technology Research Foundation for Peace</b>						

Sessions						
14:00~ 16:00	Technical Session 1	Technical Session 2	Technical Session 3	Technical Session 4	Technical Session 5	Technical Session 6
	ASEA 2010	DTA 2010	GDC 2010	FGCN 2010	MulGraB & IJMUE Committee	ASEA & IJSEIA Committee
	Robert Meurant	Dominik Slezak	Osvaldo Gervasi	Ruay-Shiung Chang	Takeru YOKOI	
	301A	301B	303A	303B	302A	302B
14:00~ 14:15	Effective Ranked Desktop Retrieval Amjad Daoud	Validation of Classifiers for Facial Photograph Sorting Performance Daryl H. Hepting, Dominik Slezak, Richard Spring	VMcol: A Collector of Garbage for Virtual Machine Image Files Xiao Ling, Hai Jin, Song Wu, Xuanhua Shi	A Novel Channel Assignment Scheme for Multi-channel Wireless Mesh Networks Yan Xia	Toward open world and multimodal situation models for sensor-aware web platforms Yoshitaka Sakurai, Paolo Ceravolo, Ernesto Damiani, Setsuo Tsuruta	Evolvability Characterization in the context of SOA Jose L. Arciniegas, Juan C. Duenas
14:15~ 14:30	Considering Patterns in Class Interactions Prediction Nazri Kama, Tim French, Mark Reynolds	The Lower and the Upper Systems of Rules in Tables with Missing Values Hiroshi Sakai, Michinori Nakata, Dominik Slezak	Predictable Cloud Provisioning using Analysis of User Resource Usage Patterns in Virtualized Environment Hyukho Kim, Woongsup Kim, Yangwoo Kim	Threshold Convertible Authenticated Encryption Scheme for Hierarchical Organizations Chien-Lung Hsu, Yu-Li Lin, Tzong-Chen Wu, Chain-Hui Su	Topic Number Estimation by Consensus Soft Clustering with NMF Takeru YOKOI	Design and Implementation of an Enterprise Internet of Things Jing Sun, Huiqun Zhao, Gongzhu Hu, Ka Wang, Houyong Zhang
14:30~ 14:45	REQUIREMENTS ELICITATION USING PAPER PROTOTYPE JAYA VIJAYAN, RAJU G	Semantic Constraint-Based XML Updating Md Sumon Shahriar, Jixue Liu	Deployment of Solving Permutation Flow Shop Scheduling Problem on the Grid Samia Kouki, Mohame Jemni, Talef Ladhari	An Active Queue Management for QoS Guarantee of the High Priority Service Class Hyun Jong Kim, Jae Chan Shim, Hwa-Suk Kim, Kee Seong Cho, and Seong Gon	The iPad and EFL Digital Literacy Robert Meurant	Aggregating Expert-Driven Causal Maps for Web Effort Estimation Simon Baker, Emilia Mendes
14:45~ 15:00	Quality-driven Conformance architecture Jose Luis Arciniegas	Rough Set Approximations on Granular Structures and Feature Characterizations Tong-Jun Li, Yan-Ling Jing	Agent-based Service Composition in Cloud Computing J. Octavio Gutierrez-Garcia, Kwang-Mong Sim	New Mechanism for Global Mobility Management based on MPLS LSP in NGN Myoung Ju Yu, Kam Yong Kim, Hwa Suk Kim, Kee Seong Cho, and Seong Gon	Real-time Adaptive Shot Change Detection Model Won-Hee Kim, Jong-Nam Kim	Bug Forecast: A Method for Automatic Bug Prediction Rudolf Ferenc
15:00~ 15:15	Trends in M2M Application Services based on a Smart Phone Jae Young Ahn, Jae-gu Song, Dae-Joon Hwang, Seoksoo Kim	BT+-tree: A New Index for Temporal Information in Web Pages Hong Chen, Qiang Li, Peiquan Jin	A Multilateral Negotiation Model for Cloud Service Market Dongjin Yoo, Kwang Mong Sim	A Fault-Tolerant and Energy Efficient Routing in a Dense and Large Scale Wireless Sensor Network Seong-Yong Choi, Jin-Su Kim, Yang-Jae Park, Joong-Kyung Ryu, Kee-Wook Rim, Jung-Hyun Lee	Search for Effective Distance Learning in Developing Countries Using Multimedia Technology Sagarmay Deb	TCD: a text-based UML class diagram notation and its model converters Hironori Washizaki, Masayoshi Akimoto, Atsushi Hasebe, Atsuto Kubo, Yoshiaki Fukazawa
15:15~ 15:30	Using ERP and WfM Systems for Implementing Business Processes: an Empirical Study Lerina Aversano, Maria Tortorella	Coupling Ontology with Rule-based Theorem Proving for Knowledge Representation and Reasoning Xiuqin Zhong, Hongguang Fu, Yan Jiang	An Adaptive Tradeoff Algorithm for Multi-issue SLA Negotiation Seokho Son, Kwang Mong Sim	FDAN : Failure Detection Protocol for Mobile Ad hoc Networks Haroun Benkaouha, Abdelkrim Abdelli, Yasmina Kaloun, Karima Boulahia	Dematerialization and Deformalization of the EFL/ESL Textbook - Literature Review and Relevant Issues Robert Meurant	Indexing Distributed and Heterogeneous Resources Michal Chromiak, Krzysztof Stencel, Kazimierz Subieta

15:30~ 15:45	The Study of Imperfection in Rough Set on the Field of Engineering and Education		Framework for Behavior Adaptation of Distributed Applications	Transposed UL-PUSC Subcarrier Allocation Technique for Channel Estimation in WiMA	Fusion Render Cloud System for 3D Contents using a Super Computer	Stream Execution of Object Queries
	Tian-Wei Sheu, Jung-Chin Lian, Mei-Li You, Kun-Li Wen		Narkoy Batouma, Jean-Louis Sourrouille	Maged M. Khattab, Hesham M. EL-Badawy, Mohamed A. Aboul-Dahab	Seoksoo Kim	Piotr Tabor, Krzysztof Stencel
15:45~ 16:00					Integrated Environment for Ubiquitous Healthcare and Mobile IPv6 Networks	
					Giovanni Cagalaban, Seoksoo Kim	

16:00~ 16:15	<b>Coffee Break</b>					
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Sessions						
16:15~ 18:15	Technical Session 11	Technical Session 12	Technical Session 13	Technical Session 14	Technical Session 15	Technical Session 16
	<b>ASEA 2010</b>	<b>KIIT SESSION 2010</b>	<b>WNS 2010</b>	<b>FGCN + MANET</b>	<b>FGCN &amp; IJFGCN Committee</b>	<b>DTA/IJDTA/BSBT/IJBSBT Committee</b>
	Robert Meurant	Takeru YOKOI	Zeeshan Shafi Khan	Oswaldo Gervasi	Ruay-Shiung Chang	Dominik Slezak
	<b>301A</b>	<b>301B</b>	<b>303A</b>	<b>303B</b>	<b>302A</b>	<b>302B</b>
16:15~ 16:30	THE SOFTWARE INDUSTRY IN THE COFFEE TRIANGLE OF COLOMBIA	A Design of the Transcoding Middleware for the Mobile Browsing Service	Wireless Network Security Vulnerabilities and Concerns	Network Management Framework for Wireless Sensor Networks	Load Performance Evaluation of the SSD According to the Number of Concurrent Users	Data Warehouse Discovery Framework: The Foundation
	Cuesta Albeiro, Lopez Marcelo, Joyanes Luis	Sungdo Park, Hyokyung Chang, Bokman Jang, Hyosik Ahn and Eui-In Choi	Ahmad Mushtaq	Jaewoo Kim, HahnEarl Jeon, Jaiyong Lee	Seung-Kook Cheong, Dae-Sik Ko	Cas Apanowicz
16:30~ 16:45	Data Confidentiality and Integrity Issues and Role of Information Security Management Standard, Policies and Practices	A Study of Context-Awareness RBAC Model using User Profile on Ubiquitous Computing	Figment Authentication scheme in wireless sensor network	Interference Avoiding Radio Resource Allocation Scheme for Multi-hop OFDMA Cellular Networks with Random Topology	Experimental Investigation of the Performance of Vertical Handover Algorithms between WiFi and UMTS Networks	Data Warehouse Discovery Framework: The Case Study
	Syed Nabi, Syed Nabi, Syed Tipu, Bushra Haqqi, Zahra Abid, Khaled Alghathbar	Bok-Man Jang, Sung-Do Park, Hyo-Kyung Chang, Hyo-Sik Ahn and Eui-In Choi	Ambika.N, G.T.Raju	Sunggook Lim, Jaiyong Lee	Stefano Busanelli, Marco Martalo', Gianluigi Ferrari, Giovanni Spigoni, Nicola Iotti	Cas Apanowicz
16:45~ 17:00	Information Assurance in Saudi Organizations	Challenges and Security in Cloud Computing	Issues of security and network load in presence- A Survey	Topology Control Method using Adaptive Redundant Transmission Range in Mobile Wireless Sensor Network	Mobile GPS Application: Mosque Tracking in an Unfamiliar Areas with Prayer Times Synchronization	SQL-Based Complex Object Comparators - A Case Study of Images Stored in ICE
	Syed Irfan Nabi, Abdulrahman A. Mirza, Khaled Alghathbar	Hyokyung Chang, Eui-In Choi	Zeeshan Shafi Khan, Khaled Alghathbar, Muhammad Sher, Khalid Rashid	Myungjune Youn, HahnEarl Jeon, SeogGyu Kim, Jaiyong Lee	Rathiah Hashim, Mohammad Sibghotulloh Ikhmatiar, Miswan Surip, Masiri Karmin, Tutut Herawan	Dominik Slezak and Lukasz Sosnowski
17:00~ 17:15	Test Prioritization at Different Modeling Levels	Output Current-Voltage Characteristic of a Solar Concentrator	Discovering the Botnet Detection Techniques	Preserving Energy Using Link Protocol in Wireless Networks	Implementation of the Vehicle Black Box Using External Sensor and Networks	Recursive query facilities in relational databases: a survey
	Fevzi Belli, Nida Gokce	Dong-Gyu Jeong, Do-Sun Song, Young-Hun Lee	Aneel Rahim, Fahad T. bin Muhaya	Anita Kanavalli, Geetha T.L, P Deepa Shenoy, Venugopal K R, L M Patnaik	Sung-Hyun Back, Jang-Ju Kim, Mi-Jin Kim, Hwa-Sun Kim, You-Sin Park, Jong-Wook Jang	Aleksandra Boniewicz, Marta Burzanska, Piotr Przymus, Krzysztof Stencel

17:15~ 17:30	Adoption of Requirements Engineering Practices in Malaysian Software Development Companies	Efficient Thread Labeling for Monitoring Programs with Nested Parallelism	Contactless Biometrics in Wireless Sensor Network: A Survey	Trust based routing in adhoc network	Maximizing Minimum Distance to Improve performance of 4-D PSK Modulator for Efficient Wireless Optical Internet Access and Digital	Recursive Queries Using Object Relational Mapping
	Badariah Solemon, Shamsul Sahibuddin, Abdul Azim Abd Ghani	Ok-Kyoon Ha, Sun-Sook Kim, and Yong-Kee Jun	Muhammad Imran Razzak, Muhammad Khurram Khan, Khaled Alghathbar	Mikita V. Talati, Sharda Valiveti, K. Kotecha	Hae Geun Kim	Marta Burzanska, Krzysztof Stencel, Patrycja Suchomska, Aneta Szumowska, Piotr Wisniewski
17:30~ 17:45	Minimum Distortion Data Hiding	A Race Healing Framework in Simulated ARINC-653	A Generic Approach to Security Assured Net-Centric Communications Network Architecture for C4I Systems	Timer and Sequence Based Packet Loss Detection Scheme for Efficient Selective Retransmission in DCCP	Information System for Electric Vehicle in Wireless Sensor Networks	Intermediate Structure Reduction Algorithms for Stack Based Query Languages
	Md Amiruzzaman	Guy Martin Tchamgoue, In-Bon Kuh, Ok-Kyoon Ha, and Yong-Kee Jun	Abdullah S. Alghamdi, Syed Amanullah Quadri, Iftikhar Ahmad, Khalid Al-Nafjan	Bong-Hwan Oh, Jechan Han, Jaiyong Lee	Yujin Lim, Hak-Man Kim, Sanggil Kang	Marta Burzanska, Krzysztof Stencel, Piotr Wisniewski
17:45~ 18:00	Model-Based Higher-Order Mutation Analysis	A K-Means Shape Classification Algorithm Using Shock Graph-Based Edit Distance	Video Adaptation Model based on Cognitive lattice in Ubiquitous Computing	Socio-Psycho-Linguistic Determined Expert-Search System (SPLDESS) Development with Multimedia	UWB-based Tracking of Autonomous Vehicles with Multiple Receivers	On Defining Functional Dependencies in XML Schema
	Fevzi Belli, Nevin Guler, Axel Hollmann, Gokhan Suna, Esra Yildiz	Solima Khanam, Seok-Woo Jang, Woojin Paik	Yong Ik Yoon, Svetlana Kim	Vasily Ponomarev	Stefano Busanelli, Gianluigi Ferrari	Haitao Chen, Husheng Liao
18:00~ 18:15	ISARE: An Integrated Software Architecture Reuse & Evaluation Framework	Efficient Caching Scheme for Better Context Inference in Intelligent Distributed Surveillance Environment	Intelligent Smart Cloud Computing for Smart Service			Molecular markers associated with Low temperature tolerance in winter wheat
	Rizwan Ahmad, Saif ur Rehman Khan, Aamer Nadeem	Soomi Yang	YongIk Yoon, Sumi Song			Alireza Taleei, Reza Gholi Mirfakhraee, Mohsen Mardi, Abbas Ali Zali, Cyrus Mahfouzi

# December 14th, 2010

Registration Open 08:00 ~

08:40~0  
9:00

Coffee Break

09:00~0  
9:50

Samda Hall  
Chair : Dominik Slezak

*Chaos-Wavelet-Neural Network Models for Automated EEG-Based Diagnosis of Neurological Disorders*

Prof. Hojjat Adeli  
Abba G. Liechtenstein Professor  
The Ohio State University, USA

10:00~1  
0:50

Samda Hall  
Chair : Dominik Slezak

*OLAP Data Cube Compression Techniques: A Ten-Year-Long History*

Prof. Alfredo Cuzzocrea  
Institute of High Performance Computing and Networking - Italian National Research Council  
Department of Electronics, Computer Science, and Systems - University of Calabria, Italy

11:00~1  
1:50

Samda Hall  
Chair : Alfredo Cuzzocrea

*Compound Analytics of Compound Data within RDBMS Framework - Infobright's Perspective*

Dr. Dominik Slezak  
University of Warsaw & Infobright, Poland

11:50~1  
3:10

Lunch Time

13:10~1  
4:00

Samda Hall  
Chair : Tai-hoon Kim

*Next-Generation DNA Sequencing Techniques: Challenges and Opportunities for Personalized Medicine*

Dr. Zuhong Lu  
State Key Laboratory of Bioelectronics,  
School of Biological Science and Medical Engineering,

14:05~14:30	<b>Samda Hall</b> Chair : Tai-hoon Kim						
	<b>Multimedia Standards</b> Peter L. Stanchev, Ph.D., D.Sc. Professor of Computer Science Kettering University						

14:30~14:45	<b>Coffee Break</b>						
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Sessions							
	Technical Session 21	Technical Session 22	Technical Session 23	Technical Session 24	Technical Session 25	Editorial Session 26	Editorial Session 27
14:45~16:30	<b>BSBT 2010</b> Alfredo Cuzzocrea	<b>AATS 2010</b> Hong Kook Kim	<b>KIIT SESSION 2010</b> Tien-Ho Chen	<b>GCC 2010</b> Joon-Min Gil	<b>SecTech &amp; IJSIA Committee</b> Mehwish Riaz	<b>SIP &amp; IJSIP Committee</b> Takeru YOKOI	<b>LNCS SESSION</b> Robert Meurant
	<b>301A</b>	<b>301B</b>	<b>303A</b>	<b>303B</b>	<b>302A</b>	<b>302B</b>	<b>Samda Hall</b>
14:45~15:00	Fingerprint Area Detection in Fingerprint Images Based on Enhanced Gabor Filtering	A Packet Loss Concealment Algorithm Robust to Burst Packet Loss Using Multiple Codebooks and Comfort Noise for CELP-type Speech Coders	A System Implementation for Cooperation between UHF RFID Reader and TCP/IP Device	A Genetic-Based Scheduling Algorithm to Minimize the Makespan of the Grid Applications	Histogram-Based Reversible Data Hiding with Quadtree Concepts	Design and Implementation of a Video-zoom Driven Digital Audio zoom System for Portable Digital Imaging Devices	Bayesian Network Approach to Predicting Mobile Churn Motivations: Emphasis on General Bayesian Network, Markov Blanket, and What-If Simulation
	Michal Dolezel, Dana Hejtmankova, Christoph Busch, Martin Drahansky	Nam In Park, Hong Kook Kim, Min A Jung, and Seong Ro Lee	Sang Hoon Lee, Ik Soo Jin and Kwang Youl Park	Reza Entezari-Maleki, Ali Movaghar	Hsiang-Cheh Huang, Ting-Hsuan Wang, Wai-Chi Fang	Nam In Park, Seon Man Kim, Hong Kook Kim, Ji Woon Kim, Myung Bo Kim, Su Won Yun	Kun Chang Lee, Nam Yong Jo
15:00~15:15	Portable Brain-Heart Monitoring System	Duration Model-Based Post-Processing for the Performance Improvement of a Keyword Spotting System	Study of Host-based Cyber Attack Precursor Symptom Detection Algorithm	Workflow Scheduling Algorithm in Mobile Grid Based on Mobile Agent	MAS: Malware Analysis System based on Hardware-assisted Virtualization Technology	Implementation of a SOA-based Service Deployment Platform with Portal	Research on Mobile Payment Technology and Business Models in China
	Chih-Chung Fu, Chiu-Kuo Chen, Shao-Yen Tseng, Shih Kang, Ericson Chua and Wai-Chi Fang	Min Ji Lee, Jae Sam Yoon, Yoo Rhee Oh, Hong Kook Kim, Song Ha Choi, Ji Woon Kim, and Myung Bo Kim	Jae-gu Song, Sungmo Jung, Jong hyun Kim, Seoksoo Kim	JongHyuk Lee, JoonMin Gil, Taeweon Suh, HeonChang Yu	Taehyoung Kim, Inhyuk Kim, Changwoo Min, Young Ik Eom	Chao-Tung Yang, Shih-Chi Yu, Chung-Che Lai, Jung-Chun Liu, and William C. Chu	Ruijun Gu and Juan Yao
15:15~15:30	Dermatologic Diseases and Fingerprint Recognition	Complexity Reduction of WSOLA-Based Time-Scale Modification Using Signal Period Estimation	Design of Cyber Attack Precursor Symptom Detection Algorithm through System base Behavior Analysis and Memory Monitoring	An Improvement on the Weighted Least-Connection Scheduling Algorithm for Load Balancing in Web Cluster Systems	Performance Analysis of Cyber Security Awareness Training Methods	A Survey on Automatic Speaker Recognition Systems	Logical Mechanism for Allocating Resources to Exploitation and Exploration to Achieve Ambidexterity: Team Level Analysis
	Eva Brezinova, Martin Drahansky, Filip Orsag	Duk Su Kim, Young Han Lee, Hong Kook Kim, Song Ha Choi, Ji Woon Kim, and Myung Bo Kim	Sungmo Jung, Jae-gu Song, Jong hyun Kim, Dong il Seo, Seoksoo Kim	DONGJUN CHOI, JISU PARK, KWANG SIK CHUNG, JINGON SHON	Jemal Abawajy	Zia Saquib, Nirmala Salam, Rekha P Nair, Nipun Pandey, Akanksha Joshi	Kun Chang Lee, Do Young Choi
15:30~15:45	Changes in Cognitive Performance due to Three Types of Emotional Tension	A Real-Time Audio Upmixing Method from Stereo to 7.1-Channel Audio	The Improved 4-PSK 4-State Space-Time Trellis Code with Two Transmit Antennas	Design and Implementation of User-created information Systems with Mobile RFID	Proxy Re-encryption with Keyword Search: New Definitions and Algorithms	FITVQSPC : Fast and Improved Transformed Vector Quantization using Static	Analyzing Economic Impact of Disruptive Technology By Using Multi-Agents Simulation: Smart
	Mi-Hyun Choi, Su-Jeong Lee, Jae-Woong Yang, Ji-Hye Kim, Jin-Seung Choi, Jang-Yeon	Chan Jun Chun, Young Han Lee, Yong Guk Kim, Hong Kook Kim, and Chung Sang Cho	Ik Soo Jin	JAE KWON LEE, SUNG HO CHIN, KWANG SIK CHUNG	Wei-Chuen Yau, Raphael C.-W. Phan, Swee-Huay Heng, Bok-Min Goi	Krishnamoorthy R, Punidha R	Kun Chang Lee, Young Wook Seo, Min Hee Hahn

15:45~16:00	Performance Evaluation of FAST TCP Traffic-flows in Multihomed MANETS	Statistical Model-Based Voice Activity Detection Using Spatial Cues and Log Energy for Dual-Channel Noisy Speech Recognition	Checking the Paths to Identify Mutant Application on Embedded Systems	Experimental Performance Measurements of Implemented Wireless Access Point for Interworking Wi-Fi and HSDPA Networks	One-Time Password System with Infinite Nested Hash Chains	Data Hiding Scheme using Method of embedding Two Bits Data into Two DCT Coefficients	Heart Rate Variability Time-Frequency Analysis Using Windowed Lomb Periodogram and its FPGA-based Implementation for Real-time
	Mumajjed UI Mudassir	Ji Hun Park, Min Hwa Shin, and Hong Kook Kim	Ahmadou SERE, Jean-Louis Lanet, Julien Iguchi-Cartigny	Tae-Young Byun	Mohamed Hamdy Eldefrawy, Muhammad Khurram Khan, Khaled Alghathbar	Makoto Fujimura, Tetsuya Takano, Satoshi Baba, Hideo Kuroda	Shao-Yen Tseng, Wai-Chi Fang
16:00~16:15	Amino Acid Substitution Positions on the VP7 and NSP4 Molecules of Rotavirus Circulating in China	3D Sound Techniques for Sound Source Elevation in a Loudspeaker Listening Environment	Software & Web Process Improvement - Predicting SPI Success for Small and Medium Companies		Optimal Intelligent Supervisory Control System in Cyber-Physical Intelligence		A Hardware Design for Portable Continuous Wave Diffuse Optical Tomography
	Xiaofeng Song, Yan Hao, Ping Han	Yong Guk Kim, Sungdong Jo, Hong Kook Kim, Sei-Jin Jang, and Seok-Pil Lee	Muhammad Sulayman, Emilia Mendes		Hoon Ko, and Zita Vale		Shih Kang, Shih-Yang Wu, Chih Chung Fu, Ericson Chua, Yuan-Huang Hsu and Wai-Chi Fang
16:15~16:30	A Study on Architecture of Malicious Code Blocking Scheme with White List in		A secured authentication protocol for SIP using elliptic curves cryptography		NMACA Approach Used to Build a Secure Message Authentication Code		
	Kijeong Lee, Gil-Cheol Park, Yong-Tae Kim		Tien-Ho Chen, Hsiu-Lien Yeh, Pin-Chuan Liu, Han-Chen Hsiang, Wei-Kuan Shih		Raed Alosaimy, Khaled Alghathbar, Alaaeldin M. Hafez, Mohamed H. Eldefrawy		
16:30~16:45	<b>Coffee Break</b>						

Sessions							
16:45~16:55	Technical Session 31	Technical Session 32	Technical Session 33	Technical Session 34	Technical Session 35	Technical Session 36	Technical Session 37
	<b>SCDE 2010</b>	<b>MANET 2010</b>	<b>KIIT SESSION 2010</b>	<b>CA 2010</b>	<b>CA &amp; IJCA Committee</b>	<b>UNESST &amp; IJUNESST Committee</b>	<b>LNCS SESSION</b>
	Nazri Mohd Nawri	Kamaljit I. Lakhtaria	Tien-Ho Chen	Peter L. Stanchev	Zuhong Lu	Alfredo Cuzzocrea	Robert Meurant
	<b>301A</b>	<b>301B</b>	<b>303A</b>	<b>303B</b>	<b>302A</b>	<b>302B</b>	<b>Samda Hall</b>
16:45~17:00	An Elitist-Ant System for solving the post-enrolment Course Timetabling Problem	Routing in ad hoc network using ant colony optimization	Automatic Image Quality Control System	IMPLEMENTATING GRID PORTAL FOR SCIENTIFIC JOB SUBMISSION	TDOA/FDOA Geolocation with Adaptive Extended Kalman Filter	Multi agent system based path optimization service for mobile robot	IMPROVED LOCATION AIDED CLUSTER BASED ROUTING PROTOCOL FOR GPS ENABLED MANETS
	Ghaith M. Jaradat and Masri Ayob	Pimal Khanpara, Sharda Valiveti, K. Kotecha	Dong-Hyun Lee, Sung-Woo Kim, Seung-Hun Park, Jung-Hoon Lee	ARUN D. GANGARDE, SHRIKANT.S.JADHAV	Hongshuo Shao, Dongkyun Kim, Kwanho You	Kim hyun, Chung TaeChoong	S.Mangai, A.Tamilarasi
17:00~17:15	An Improved Back Propagation Neural Network Algorithm on Classification Problems	Non-repudiation in Ad-Hoc networks	Programmable RF System for RF System-on-Chip	Application of Extended DFT for Fault Detection of Electric Motors	A Very Low Cost BCH Decoder for High Immunity of On-Chip Memories	In-depth Evaluation of Content-Based Phishing Detection to Clarify its Strengths and Limitations	All-optical RZ-to-NRZ converted data transmission at 10Gb/s
	Nazri Mohd Nawri, R.S. Ransing, Mohd Najib Mohd Salleh	Purvi H Tandel, Sharada Valiveti, K P Agrawal	Sung-Woo Kim, Dong-Hyun Lee, Seung-Hun Park, Jung-Hoon Lee, and Jee-Youl Ryu	Juggrapong TREETRONG	H. J. Seo, S. H. Han, Y. S. Heo, T. W. Cho	Koichiro Komiyama, Toshinori Seko, Yusuke Ichinose, Kei Kato, Kohei Kawano, Hiroshi Yoshiura	Hyuek Jae Lee, Hae Geun Kim and Ik Soo Jin
17:15~17:30	Towards Maintainability Prediction for Relational Database-Driven Software Applications: Evidence from	The Vehicular Information Space Framework	Development of A Mobile Language Learning Assistant System based on Smart Phone	On the complexity of the classification of synchronizing graphs	Improved Non Linear Time Series Forecasting using Non Linear Analysis Techniques and RBF Neural Networks for MRS	An Approach to Filtering Duplicate Data Streams in Networked RFID Readers Environments	Performance Evaluation of a hybrid TOA/AOA based IR-UWB positioning system

17:00	Mehwish Riaz, Emilia Mendes, Ewan Tempero	Vivian Prinz, Johann Schlichter, Benno Schweiger	Jin-II Kim, Young-Hun Lee, Hee-Hyoil Lee	Eduardo Canale, Pablo Monzon, Franco Robledo	D.A.Karras, M.P.Hanias	Hairulnizam Mahdin, Jemal Abawajy	Nammoon Kim, Junho Gal, Eunyoung Lee, Inho Jeon, Youngok Kim
17:30~17:45	The Concept of Indiscernibility Level of Rough Set to Reduce the Dendrogram Instability	Prevention of Malicious Node	Implementation of the Sensor Node Hardware Platform for an Automatic Stall Management	Low Frequency Compensator of MultiVariable Tele-Control system	A Constrained Genetic Algorithm with Adaptively Defined Fitness Function in MRS Quantification	On Indiscernibility in Assessments	A Context-Aware Streaming Agent Method for Optimal Seamless Service in a Vertical Handover Environment
	R. B. Fajriya Hakim, Subanar, Edi Winarko	Chandrakant Naikodi	Yoonsik Kwak, Donghee Park, Jiwon Kwak, Dongho Kwak, Sangmoon Park, Kijeong Kil, Minseop Kim, Jungyoo Han, eHwan Kim	Faramarz Asharif, Shiro Tamaki, Tsutomu Nagado, Mohammad Reza Asharif	G.A. Papakostas, D.A.Karras, B.G. Mertzios, D. Graveron-Demilly, D.van Ormondt	Sylvia Encheva	Inwhee Joe and Jong-Yong Park
17:45~18:00	Dual Quorum Replication (DQR) A Protocol for Data Replication in Data Grid	Improving the Ability of Mining for Multi-dimensional Data	A Study on the Enhancement of Positioning Accuracy Performance using Interrogator Selection Schemes over Indoor Wireless Channels	A differential evolution based approach to estimate the shape and size of complex shaped anomalies using EIT measurements	A Neural-Network Clustering-based Algorithm for Privacy Preserving Data Mining	Effects of Knowledge Sharing and Social Presence on the Intention to Continuously Use Social Networking Sites: the Case of Twitter	Mobile Business Agents Model and Architecture
	Rohaya Latip, Aminah Hidayah Mohamad Ariff	Yong Shi, Tyler Kling	Seungkeun Park, Byeong Gwon Kang	Ahmar Rashid, Anil Kumar Khambampati, Bong Seok Kim, Dong Liu, Sin Kim, Kyung Youn Kim	S. Tsiafoulis, V. C. Zorkadis and D. A. Karras	Bong-Won Park, Kun Chang Lee	Haeng Kon Kim
18:00~18:15	An Optimization of Fundamental Frequency and Length of syllables for Rule-based Speech Synthesis	Agent Based Ontology Driven Meeting Assistant	A Fully Parallel, High-Speed BPC Hardware Architecture for the EBCOT in JPEG 2000	Tracking Extrema in Dynamic Environments using a Learning Automata based Immune Algorithm	On a Novel Simulation Framework and Scheduling Model Integrating Coverage Mechanisms for Sensor Networks and Handling Concurrency	Exploring Influence of Network Structure, Intrinsic Motivation, and Organizational Learning Culture on Individual Creativity: Comparison of SI Proposal Task Force Team and R&D	A Message Priority Routing Protocol for Delay Tolerant Networks (DTN) in Disaster Areas
	Kyawt Yin Win, Tomio Takara	Phil Thompson, Anne James, Emanuel Stanciu	Dong-Hwi Woo, Kyeong-Ryeol Bae, Hyeon-Sic Son, Seung-Ho Ok, Byungin Moon	Alireza Rezvanian	A. Filippou, D.A. Karras, P.M. Papazoglou, R.C Papademetriou	Kun Chang Lee, Seong Wook Chae, Young Wook Seo	Inwhee Joe and Sang-Bo Kim

18:30~21:00

Welcome Ceremony and Banquet



# December 15th, 2010

Registration Open 08:00 ~

08:40~0  
9:00

Coffee Break

09:00~0  
9:50

Samda Hall  
Chair :

*From Grid Computing to Cloud Computing: Experiences on Virtualization Technology*

Dr. Hai Jin  
Dean, School of Computer Science and Technology  
Director, Cluster and Grid Computing Lab  
Director, Services Computing Technology and System Lab

10:00~1  
0:50

Samda Hall  
Chair :

*Advanced Green Energy DOT/EEG/ECG Heart-Brain System-on-Chip and Embedded Systems for Portable Brain-Heart Health Care Systems*

Prof. Wai Chi Fang  
National Chiao Tung University, Taiwan

11:00~1  
1:50

Samda Hall  
Chair : Tai-hoon Kim

*The Future Trends of e-Health: The Ubiquity and Cloud Computing Roadmap*

Prof. Sabah Mohammed  
Professor of Computer Science at Lakehead University

11:50~1  
3:10

Lunch Time

13:10~1  
3:50

Samda Hall  
Chair : Tai-hoon Kim

*Developing Innovative Personal Learning Environments based on Calm Technologies*

Dr. Jinan Fiaidhi  
Professor, Department of Computer Science,  
Lakehead University, Ontario, Canada

Sessions						
	Technical Session 41	Technical Session 42	Technical Session 43	Technical Session 44	Technical Session 45	Editorial Session 46
	ASEA 2010	NSSCT 2010	SecTech 2010	BTS + DRBC 2010	SIP 2010	LNCS SESSION
	Mehwish Riaz	Marjan Kuchaki Rafsanjani	Jinan Fiaidhi	Chenglian Liu	Jemal Abawajy	Robert Meurant
	301A	301B	303A	303B	302A	302B
14:00~16:00	Cognitive Informatics for New Classes of Economic and Financial Information Systems Lidia Ogiela, Marek Ogiela	Congestion Avoidance and Energy Efficient Routing Protocol for WSN Healthcare Applications Babak Esmailpour, Abbas Ali Rezaee, Javad Mohebbi Najm Abad	Impact of Finger Type in Fingerprint Authentication Davronzhon Gafurov, Patrick Bours, Bian Yang, Christoph Busch	Using Arabic CAPTCHA for Cyber Security Bilal khan, Khaled Alghathbar, Muhammad khurram khan, Abdullah AlKelabi, Abdulaziz AlAjaji	Single Image Super-Resolution via Edge Reconstruction and Image Fusion Guangling sun, Shen zhoubiao	Grid Smoothing for Image Enhancement Guillaume Noel, Karim Djouani, Yskandar Hamam
14:00~14:15	An Automated Approach to Testing Polymorphic Features Using Object-Z Mahreen Ahmad, Amer Nadeem	An Efficient Method for Detecting Misbehaving Zone Manager in MANET Marjan Kuchaki Rafsanjani, Farzaneh Pakzad, Sanaz Asadinia	Improved Hip-based Individual Recognition Using Wearable Motion Recording Sensor Davronzhon Gafurov	Fusion of Moving and Static Facial Features for Robust Face Recognition Dakshina Ranjan Kisku, Phalguni Gupta, Jamuna Kanta Sing	Scanning and Measuring Device for Diagnostic of Barrel Bore Ales Marvan, Josef Hajek, Jan Vana, Radim Dvorak, Martin Drahanaky, Robert Jankovych, Jozef Skvarek	Suppressing False Negatives in Human Skin Segmentation Roziati Zainuddin, Sinan Naji, Jubair Al-Jaafar
14:15~14:30	IDMS: A System to Verify Component Interface Completeness and Compatibility for Product Integration Wantana Areeprayolkij, Yachai Limpiyakorn, Duangrat Gansawat	Query Answering Driven by Collaborating Agents Agnieszka Dardzinska	Emerging Biometric Modalities: Challenges and Opportunities Davronzhon Gafurov	Human Authentication Based on ECG Waves using Radon Transform Chetana Hegde, Rahul Prabhu H, Sagar D S, P Deepa Shenoy, Venugopal K R, and L M Patnaik	Recognition of Hits in a Target Vojtech Semerak, Martin Drahanaky	Steady State Analysis of an Energy Efficient Mobility Management Scheme in IP-Based Wireless Networks Ho Young Hwang, Sun-Jong Kwon, Yun Won Chung, Dan Keun Sung, Suwon Park
14:30~14:45	Software Framework for Flexible User Defined Metaheuristic Hybridization Suraya Masrom, Siti Zaleha Zainal Abidin, Puteri Norhashimah Megat Abdul Rahman, Abdullah Sani Abd. Rahman	Attribute-Based Access Control for Layered Grid Resources Bo Lang, Hangyu Li, Wenting Ni	On distinguished points method to implement a parallel collision search attack on ECDLP Ju-Sung Kang, Ok-Yeon Yi	UDOP: Leveraging Geospatial Technology for Disaster Relief and Recovery AJ Clark, Patton Holliday, Jordon Mears, Robyn Chau, John-Isaac Clark, Melinda Chau, Tony Eckersley	Disparity Estimation Method based on Reliability space using Color edge Seungtae Lee, Youngjoon Han, Hernsoo Hahn	Performance Comparison of Handoff Modes in terms of Energy Young-uk Chung, Hyukjoon Lee, and Suwon Park
14:45~15:00	Program Visualization for Debugging Deadlocks in Multithreaded Programs Byung-Chul Kim, Yong-Kee Jun	A Local Graph Clustering Algorithm for Discovering Subgoals in Reinforcement Learning Negin Entezari, Mohammad Ebrahim Shiri, Parham Moradi	Evaluation of Performance of Secure OS using Performance Evaluation Mechanism of LSM-based LSMPMON Kenji Yamamoto, Toshihiro Yamauchi	Effects of Changes in Lugu Lake Water Quality on Schizothorax Yunnansis Ecological Habitat Based on HABITAT Model Wei Huang, Arthur Mynnet	Web-Based IP Reuse CAD System, Flowrian Ming Ma, Woo Kyung Lee, Hyeon Geun Jo, In hag Park, Dai Tchul Moon	Energy Efficient Coexistence of WiFi and WiMAX Systems Sharing Frequency Band Jongwoo Kim, Suwon Park, Seung Hyong Rhee, Yong-Hoon Choi, HoYoung Hwang
15:00~15:15	A fast PDE Algorithm using Unequal search and Criterion for Video Coding JONGNAM KIM	Automatic Skill Acquisition in Reinforcement Learning Agents using Connection Bridge Centrality Parham Moradi, Mohammad Ebrahim Shiri, Negin Entezari	Sample bytes to protect important data from un-intentional data transmission in advanced embedded device Bo Heung Chung, Jung Nye Kim	Webpage Segments Classification with Incremental Knowledge Acquisition Wei Guo, Yang Sok Kim, Byeong Ho Kang	Medical Image Segmentation Using Modified Level-Set Model with Multi-Scale Gradient* Vector Flow Rajalida Lipikorn, Krisorn Chunhaponpipat, Sirod Sirisup, Ratinan Boonklurb, Wallapak Tavanapong, Nagul Cooharajanane	IP Mobility Performance Enhancement Using Link-Layer Prediction Jun-Hui Lee, Hyun-Woo Kim, Yong-Hoon Choi, Young-Uk Chung, and Seung-Hyong Rhee
15:15~15:30	Evaluating the Intention to Use the Use Case Precedence Diagram in Software Development Projects	Security Analysis of Liu-Li Digital Signature Scheme	Integrated framework for Information Security in Mobile Banking Service based on Smart Phone	JHUF-5 Steganalyzer: Huffman based Steganalytic Features for Reliable Detection of YASS in JPEG	Semantic supervised clustering approach to classify land cover in remotely sensed images	Header Compression for Resource and Energy Efficient IP over Tactical Data Link
15:30~1						

5:45	Jose Antonio Pow-Sang	Chenglian Liu, Shaoyi Deng, Jianghong Zhang	Yong-Nyuo Shin, Myung Geun Chun	Veena H Bhat, Krishna S, P Deepa Shenoy, Venugopal K R, L M Patnaik	Miguel Torres, Marco Moreno, Rolando Menchaca, Rolando Quintero, Giovanni Guzman	Yongkoo Yoon, Suwon Park, Hyungkeun Lee, Jong Sung Kim, Seung Bae Jee
15:45~16:00	Mining Design Patterns in Object Oriented Systems by a Model-Driven Approach	An Optimal Method For Detecting Internal And External Intrusions In MANET	Approach to Privacy-Preserve Data in Two-Tiered Wireless Sensor Network based on Linear System and Histogram	A Practical Methodology and Framework for Comprehensive Incident Handling focused on Bot Response	Region Covariance Matrices for Object Tracking in Quasi-Monte Carlo Filter	A Queue Management Algorithm for QoS provisioning in WMSN
	Mario Luca Bernardi, Giuseppe Antonio Di Lucca	Marjan Kuchaki Rafsanjani, Laya Aliahmadipour, Mohammad M. Javidi	Van Dang, Sven Wohlgemuth, Hiroshi Yoshiura, Thuc Nguyen, Isao Echizen	Sang-Soo Choi, Myung-Jin Chun, Youn-Su Lee, Hyeak-Ro Lee	Xiaofeng Ding, Lizhong Xu, Xin Wang, Guofang Lv	Junhye Kim, Seongwon Myung, Yongjae Jang, Sungkeun Lee

16:00~16:15	<b>Coffee Break</b>					
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Sessions						
16:15~18:15	Technical Session 51	Technical Session 52	Technical Session 53	Technical Session 54	Technical Session 55	Technical Session 56
	DTA 2010	NSSCT 2010	SecTech 2010	ALT + CIITC 2010	SIP 2010	UNESST 2010
	Byeong-ho Kang	Marjan Kuchaki Rafsanjani	Mehwish Riaz	Hee-Kyung Kong	Hong, Soon Goo	Robert Meurant
	301A	301B	303A	303B	302A	302B
16:15~16:30	An XML-based Data Model for Moving Object Database	SNMP-SI: A Network Management Tool based on Slow Intelligence System Approach	Secure OSGi platform against service injection	Microscopic Approach to Evaluating Technological Convergence using Patent Citation Analysis	Aquaculture Farm Facility Loss Management System	A threaded search engine for tour recommendation systems
	Xiajun Jiang, Yuping Zhang, Dechang Pi	Francesco Colace, Massimo De Santo	Intae Kim, Keewook Rim, Junghyun Lee	Kihoon Sung, Taehan Kim, Hee-kyung Kong	Hyung Rim Choi, Byung Kwon Park, Yong Sung Park, Chang Sup Lee, Ki Nam Choi, Chang Hyun Park, Yong Hyun Jo, Byung-Ha Lee	Junghoon Lee, Gyung-Leen Park, Jin hee Ko, In-Hye Shin
16:30~16:45	Improving response time, availability and reliability through asynchronous replication technique in cluster architecture of Web Server Cluster	Intrusion Detection in Database Systems	A Mechanism that Bounds Execution Performance for Process Group for Mitigating CPU Abuse	A Qualitative Meta-Analysis on Convergence around ICT Sector	Ways to Manage IP-RFID based Navigation Aid Facilities	Cloud Image Resolution Enhancement Method Using Loss Information Estimation
	Aznida Hayati Zakaria, Wan Suryani Wan Awang, Zarina Mohamad, Ahmad Nazari Mohd Rose, Mustafa Mat Deris	Mohammad M. Javidi, Mina Sohrabi, Marjan Kuchaki Rafsanjani	Toshihiro Yamauchi, Takayuki Hara, Hideo Taniguchi	Yong-gook Bae, Hee-Kyung Kong	Hyung Rim Choi, Byoung Kwon Park, Min Je Cho, Yong Sung Park, Jeong Soo Ha	Won-Hee Kim, Jong-Nam kim
16:45~17:00	Particle Swarm Optimization for Digital Image Watermarking	A Secure Routing Using Reliable 1-Hop Broadcast in Mobile Ad Hoc Networks	Probabilistic Route Selection Algorithm for IP Traceback	Target Detection using PCA and Stochastic Features	The Proposal of the Model for Developing Dispatch System for Nationwide One-day Integrative Planning	Report position effect to the vehicle speed and stop probability on the location history data
	Hai Tao, Jasni Mohamad Zain, Ahmed N. Abd Alla, and Qin Hongwu	Seungjin Park, Seong - Moo Yoo	Hongbin Yim, Jaeil Jung	SukJong Kang, HyeonDeok Bae	Hyun Soo Kim, Hyung Rim Choi, Byoung Kwon Park, Jae Un Jung, Jin Wook Lee	Junghoon Lee, Gyung-Leen Park, Hye-Jin Kim, Min-Jae Kang, Choel Min Kim, Jinwhan Kim
17:00~17:15	Real Time Watermarking and Encryption method for DMB Contents Protection	A Hybrid Routing Algorithm Based on Ant Colony and ZHLS Routing Protocol for MANET	An Efficient Audio Watermarking Algorithm in Frequency Domain for Copyright Protection		IP-RFID based container monitoring system	Fine-grained Access Control for Electronic Health Record Systems
	Won-Hee Kim, Jong-Nam Kim	Marjan Kuchaki Rafsanjani, Sanaz Asadinia, Farzaneh Pakzad	Pranab Kumar Dhar, Mohammad Ibrahim Khan, Jong-Myon Kim		Hyung Rim Choi, Byoung Kwon Park, Yong Sung Park, Chang Sup Lee, Chang Hyun Park	Hue Pham Thi Bach, Isao Echizen, Wohlgemuth Sven, Thuy Dong Thi Bich, Thuc Nguyen Dinh

17:15~17:30	A Patent Analysis on Realistic Media for R&D Projects Sung-Hyun Hwang, Seung-Jun Yeon	Decision-making Model based on Capability Factors for Embedded System Hamid Reza Naji, Masoud RashidiNejad, Hossein Farahmand	Robust Audio Watermarking Scheme Based on Spectral Modeling Synthesis Pranab Kumar Dhar, Cheol Hong Kim, Jong-Myon Kim		The Logistics Equipment Carbon Emission Monitoring System for a Green Logistics Hyung Rim Choi, Byoung Kwon Park, Byung Ha Lee, Yong Sung Park, Chang Sup Lee, Jeong Soo Ha	Flexible Ubiquitous Learning Management System Adapted to Learning Context Mihye Kim, Ji-Seong Jeong, Chan Park, Jae-Soo Yoo, Kwan-Hee Yoo
17:30~17:45		3D viewer platform of cloud clustering management system: Google Map 3D Sung-Ja Choi, Gang-Soo Lee	Enhanced Sinkhole System by improving Post-Processing Mechanism Haeng-Gon Lee, Sang-Soo Choi, Youn-Su Lee, Hark-Soo Park			Multiple Ship Detection and Tracking Using Background Registration & Morphological Operations Nasim Arshad, Kwang-Seok Moon, Jongnam Kim
17:45~18:00						A Fast Motion Estimation Algorithm Using Unequal Search and Criterion for Video Coding JONGNAM KIM
18:00~18:15						