

15-Sep-10

Registration Open 08:00 ~

08:30~09:00

Coffee Break with Cookie

09:00~09:50

Star Ball Room A
Chair : Tai-hoon Kim

RFID Research Issues

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

10:00~10:50

Star Ball Room
Chair : Andres Iglesias Prieto

Secure Grid Services Over 4G Networks

Dr. Mohamed Hamdi,
Communication Networks and Security Research Lab.
University of November 7th at Carthage, Tunisia

11:00~11:50

Star Ball Room
Chair : Mohamed Hamdi

Digital Virtual Characters in Urban Environments: Trends and Applications

Dr. Andres Iglesias Prieto,
Dpt. of Applied Mathematics and Computational Sciences
E.T.S. Ingenieros de Caminos - University of Cantabria, Spain

11:50~13:00

Lunch Time

13:00~13:50

Star Ball Room
Chair : Hoon Ko

From Rehabilitation to Personal Autonomy: advanced services in a Smart Grid Environment

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

Sessions		
14:00~16:00	Technical Session 1 Star Ball Room A Joon-Min Gil	Technical Session 2 Star Ball Room B R. Youngchul Kim
	DCSN 2010	AFIT 2010
14:00~14:15	A Target Coverage Scheduling Scheme based on Genetic Algorithm in Wireless Sensor Networks Joon-Min Gil, Chan-Myung Kim, Youn-Hee Han	Data Aggregation using Mobile Agent Mechanism on Distributed Sensor Networks Youn-Gyou Kook, Joon Lee, Ki-Seok Choi, Jaesoo Kim, R. Youn-Chul Kim
	A Self-deployment Scheme for Mobile Sensor Network with Obstacle Avoidance Chan-Myung Kim, Yong-Hwan Kim, Heon-Jong Lee, Youn-Hee Han	Issues on Selecting National R&D Project Joon Lee, Youn-Gyou Kook, Jaesoo Kim
14:15~14:30	An Intervehicle Communication System Using Wireless Access Point over Wireless Wide Area Networks Tae-Young Byun	A study on short-range defense radar optimum deployment considering frequency interference Bong-Ki Jang, Byoung-Sam Kim, Young-Soon Lee, Ui-Jung Kim
	Adaptive Duplicated Transmission Scheme in Wireless Sensor Networks Jeongho Son, Tae-Young Byun	Multiple Authentication protocol using RC5 algorithm on Sensor network environments Jin-Mook Kim, Young-Ae Jeong, Sung-sik Hong
14:30~14:45	Processing of Large-Scale Nano-ink Data by Supercomputer Sungsook Kim	A Study on DAI design for Business Process based on XMDR in a Grid SeokJae Moon, GyeDong Jung, YoungKeun Choi
	Adaptive Mobile Resource Forecasting Scheme in Mobile Grid Computing Daewon Lee, Sungho Chin	Architecture of the SDP/IMS in the Cloud Environment Jae-Hyoung Cho, Jae-Oh Lee
14:45~15:00	Group-based Scheduling Algorithm in Mobile Grid Based on Mobile Agent JongHyuk Lee, SungJin Choi, Taeweon Suh, HeonChang Yu	Solution of NAT Traversal Based on the IMS Jung-Ho Kim, Jae-Hyoung Cho, Jae-Oh Lee
	Context-Aware Hierarchy k-Depth Estimation and Efficient Energy Clustering in Ad-hoc Network Chang-min Mun, Yong-hwan Kim, Kang-whan Lee	Model Based User's Access Requirement Analysis of E-Governance Systems Samir Kumar Bandyopadhyay
15:00~15:15		
15:15~15:30	Coffee Break with Cookie	
	Sessions	
16:30~18:00	Technical Session 11 Star Ball Room A Jinho Ahn	Technical Session 12 Star Ball Room B Tai-hoon Kim
	NFSDCS 2010 + Main	CISC 2010 + Main
16:30~16:45	An Architecture for the Emotion-based Ubiquitous Services in Wearable Computing Environment	Energy Efficient, Chain based Clustering Routing Protocol for Wireless Sensor Networks

16:30~16:45	Joonhee Kwon	Debnath Bhattacharyya
16:45~17:00	Adaptive Data Dissemination Protocol for Wireless Sensor Network	Chain based Hierarchical Routing Protocol for Wireless Sensor Networks
	Byoung-Dai Lee	Shilpi Saha
17:00~17:15	Scalable Multicast Protocol for Overlapped Groups in a Broker-based Sensor Networks	Extraction of Features from Signature Image and Signature Verification using Clustering Techniques
	Chayoung Kim, Jinho Ahn	Samit Biswas
17:15~17:30	On Reducing The Impact of Exceptional Conditions on Museum Sightseeing Crowdedness Control Mechanisms	Medical Imaging: A Review
	Yoon-Deuk Seo	Debashis Ganguly, Srabonti Chakraborty
17:30~17:45	An Effective Hybrid Buffering Optical Packet Switch for Contention Resolution	Hybridization of GA and ANN to solve Graph Coloring
	Ahmed Galib Reza, Hyotaek Lim	Timir Maitra, Anindya J. Pal
17:45~18:00	Genetic-Annealing Algorithm in Grid Environment for Scheduling Problem	Efficient Transmission Method in Wireless Image Sensor Networks
	MARCO ANTONIO CRUZ CHAVEZ, Abelardo Rodriguez-Le, Fredy Ju, Rafael Rivera-L	Jong Seung Lee, Kang-whan Lee

16-Sep-10

Registration Open 08:00 ~

08:30~09:00

Coffee Break with Cookie

09:00~09:50

Star Ball Room

Chair : Hoon Ko

Artificial Intelligence in SmartGrids

Dr. Zita Vale,
GGECAD / ISEP-IPP – Knowledge Engineering and Decision Support Research Center
Institute of Engineering – Polytechnic of Porto (ISEP/IPP)
Rua Dr. António Bernardino de Almeida, 420, 4700-072 Porto, Portugal

10:00~10:50

Star Ball Room

Chair : Hoon Ko

Considering Emotions, Mood and Personality in Ambient Intelligence and Smart Environments

Dr. Goreti Marreiros,
GGECAD / ISEP-IPP – Knowledge Engineering and Decision Support Research Center
Institute of Engineering – Polytechnic of Porto (ISEP/IPP)
Rua Dr. António Bernardino de Almeida, 420, 4700-072 Porto, Portugal

11:00~11:50

Star Ball Room

Chair : Hoon Ko

Distribution system reconfiguration methodology for SCADA application including Distributed Generation

Dr. Hussein Mustapha Khodr,
GGECAD / ISEP-IPP – Knowledge Engineering and Decision Support Research Center
Institute of Engineering – Polytechnic of Porto (ISEP/IPP)
Rua Dr. António Bernardino de Almeida, 420, 4700-072 Porto, Portugal

11:50~13:00

Lunch Time

13:00~13:50

Star Ball Room

Chair : Tai-hoon Kim

Contexts and Security in Intelligent Urban Computing

Dr. Hoon Ko
GGECAD / ISEP-IPP – Knowledge Engineering and Decision Support Research Center
Institute of Engineering – Polytechnic of Porto (ISEP/IPP)
Rua Dr. António Bernardino de Almeida, 420, 4700-072 Porto, Portugal

Sessions

14:00~16:00

Technical Session 21

Star Ball Room A

Hak-man Kim

SGA 2010

Technical Session 22

Star Ball Room B

Junghoon Lee

ElecTrans 2010

14:00~14:15

A Communication Architecture for Monitoring and Diagnosing Distribution Systems

Yujin Lim, Sanghyun Ahn, and Jaesung Park

Authentication system for electrical charging of Electrical Vehicles in the housing development

Wang-Cheol Song

14:15~14:30

Network Infrastructure for Electric Vehicle Charging

Yujin Lim, Jaesung Park, and Sanghyun Ahn

Power Monitoring and Control Scheme of Temporary Energy Storage for Effective Electric Transportation

Do-Hyeun Kim

14:30~14:45

Prediction of Personal Power Consumption using the Moving Average Technique

Jongwoo Kim, Hak-Man Kim, and Sanggil Kang

Design of a Multi-Agent System for Personalized Service in the Smart Grid

In-Hye Shin

14:45~15:00

Personalized Energy Portal Service using Consumers' Profile Information

Jongwoo Kim, Juwan Kim, Hak-Man Kim, Young-Kuk Kim, and Sanggil Kang

An efficient scheduling scheme for charging stations on smart transportation

Hye-Jin Kim

15:00~15:15

Reliable Power Quality Data Delivery Mechanism using Neural Network in Wireless Sensor Network

Yujin Lim, Hak-Man Kim, and Sanggil Kang

Design for Run-Time Monitor on Cloud Computing

Miyung Kang

15:15~15:30

A New Challenge of Microgrid Operation

Hak-Man Kim, and Tetsuo Kinoshita

Design of an advertisement scenario for electric vehicles using digital multimedia broadcasting

Junghoon Lee

15:30~16:00

Coffee Break with Cookie

Sessions

16:00~18:00

Technical Session 31

Star Ball Room A

Hyun Yoe

UITA 2010

Technical Session 32

Star Ball Room B

Main

15:30~15:45

Implementation of Wireless Sensor Networks Based Pig Farm Integrated Management System in Ubiquitous Agricultural Environments
Jeonghwan Hwang

A Novel Channel Polarization on Dual Binary Discrete Memoryless Channels

MoonHo Lee

15:45~16:00

A Study on Energy Efficient MAC Protocol of Wireless Sensor Networks for Ubiquitous Agriculture

A New Approach For Semantic Web Matching

15:30~16:00	Hochul Lee	kamran zamanifar, golsa heidary, naser nematbakhsh
16:30~16:45	Design and Implementation of Wireless Sensor Networks Based Paprika Greenhouse System	Molecular markers associated with Low temperature tolerance in winter wheat
	Jiwoong Lee	Alireza Taleei, Reza Gholi Mirfakhraee, Mohsen Mardi, Abbas Ali Zali, Cyrus Mahfouzi
16:45~17:00	An u-Service model based on a smart phone for urban computing environments	Knowledge Integration and Use-case Analysis for a Customized Drug-drug Interaction CDS Service
	Yongyun Cho, Hyun Yoe	Hye Jin Kam, Man Young Park, Woojae Kim, Duk Yong Yoon, Eun Kyoung Ahn, Rae Woong Park
17:00~17:15	An Implementation of the Salt-Farm Monitoring System Using Wireless Sensor Network	A study on Home Network User Authentication Using Token-Based OTP
	Jong-Sik Cho, Yong-Woong Lee, Jong-Gil Ju, In-Gon Park, Hyun-Wook Cho, Hyun Yoe, Chang-Sun Shin	Jung-Oh Park, Moon-Seog Jun, Sang-Geun Kim
17:15~17:30	Dynamic increasing the Capacity of Transmission Line Based on the Kylin Operating System	A Study on E-Document System Using an Image Relocation Encryption
	Kehe Wu, Jing Zhou, Zhiwei Feng, Jing Teng	Jung-Oh Park, Moon-Seog Jun, Sang-Geun Kim
17:30~17:45	An Attack on Wavelet Tree Shuffling Encryption Scheme	The Design of Modular Web-based Collaboration
	Samuel Assegie, Paul Salama, Brian King	PLOYPAILIN INTAPONG, SITTAPONG SETTAPAT, BOONSERM KAEWKAMNERDPONG, TIRANEE ACHALAKUL
18:00~21:00	Conference Dinner	

17-Sep-10

Registration Open 08:00 ~

08:30~09:00	Coffee Break with Cookie
09:00~09:50	Star Ball Room Chair : Martin Drahansky
	<i>Biologically inspired information systems and secret data management</i>
	Prof. Marek Ogiela, AGH University of Science and Technology, Krakow, Poland
10:00~10:50	Star Ball Room Chair : Marek Ogiela
	<i>Intelligent and multimedial houses</i>
	Dr. Martin Drahansky, BUT, Faculty of Information Technology, Brno, Czech Republic
11:00~11:50	Star Ball Room Chair : Jemal Abawajy
	<i>Privacy in a ubiquitous networked world</i>
	Dr. Brian King, Department of Electrical and Computer Engineering Indiana University - Purdue University, USA
11:50~13:00	Lunch Time
13:00~13:50	Star Ball Room Chair : Brian King
	<i>Secure Resource Management and Scheduling on Cloud Computing Environments</i>
	Dr. Jemal Abawajy, Faculty of Science and Technolia, Deakin University, Australia
	Sessions
	Technical Session 41
	Technical Session 42

14:00~16:00	<p align="center">Star Ball Room A</p> <p align="center">Jeong Ah Kim, InSook Cho</p> <p align="center">SEMIE 2010</p>	<p align="center">Star Ball Room B</p> <p align="center">Dong Hwa Kim</p> <p align="center">HuCARE 2010</p>
14:00~14:15	<p align="center">Alerting of Laboratory Critical Values</p> <p>Sang Hoon Song, Kyoung Un Park, Junghan Song, Hyeon Yong Paik, Chi Woo Lee, Su mi Bang, Joon Seok Hong, Hyun Joo Lee, In-Sook Cho, Jeong Ah Kim, Hyun-Young Kim, and Yoon Kin</p> <p align="center">Accuracy and Performance Evaluation of a Laboratory Results Alerting System</p>	<p align="center">An Incremental Join Algorithm in Sensor Network</p> <p align="center">Hyun Chang Lee, Yong Jae Lee, Ji-Hyang Lim, Dong Hwa Kim</p>
14:15~14:30	<p align="center">National Medical Terminology Server in Korea</p> <p align="center">Sungin Lee, Seung-Jae Song, SoonJeong Koh, Soo Kyoung Lee, Hong-gee Kim</p>	<p align="center">Differential brain activity in reading Hangul and Hanja in Korean Language</p> <p align="center">Hyo Woon Yoon, Ji-Hyang Lim</p>
14:30~14:45	<p align="center">A Typology for Modeling Processes in Clinical Guidelines and Protocols</p> <p align="center">Samson W Tu</p>	<p align="center">Interface of Augmented Reality Game Using Face Tracking and Its Application to Advertising</p> <p align="center">Yong Jae Lee, Young Jae Lee</p>
14:45~15:00	<p align="center">How Process Helps You in Developing a Medical Information System</p> <p align="center">Yoshihiro Akiyama</p>	<p align="center">Design of LCL filter for renewable energy sources using Bacterial Foraging Optimization</p> <p align="center">Jae Hon Cho</p>
15:00~15:15	<p align="center">Architecture of Guideline-Based Software Development Environment</p> <p align="center">Seung Young Choi, Jeong Ah Kim</p>	<p align="center">Intelligent AVR control using Hybrid optimization based on bacterial foraging and clonal selection</p> <p align="center">Jae Hoon Cho, Dong Hwa Kim</p>
15:15~15:30	<p align="center">Architecture and workflow of Medical Knowledge Repository</p> <p align="center">Jeong Ah Kim, HyunSook Choi, Insook Choi, Yoon Kim</p>	<p align="center">Talmud Rule Approach to Load-shedding in Agent-based Microgrid Operation</p> <p align="center">Hak-Man Kim, Tetsuo Kinoshita, Yujin Lim, and Tai-Hoon Kim</p>
15:30~15:45		<p align="center">Projective Illumination Technique in Unprepared Environments for Augmented Reality Applications</p> <p align="center">Giovanni Cagalaban, Seoksoo Kim</p>
15:45~16:15	Coffee Break with Cookie	
16:15~18:00	Sessions	
16:15~18:00	<p align="center">Technical Session 51</p> <p align="center">Star Ball Room A</p> <p align="center">H. K. Lee</p> <p align="center">LPITA 2010</p>	<p align="center">Technical Session 52</p> <p align="center">Star Ball Room B</p> <p align="center">Tai-hoon Kim</p> <p align="center">SEMIE + Main</p>
15:45~16:00	<p align="center">Development of Wireless RFID Glove for various applications</p> <p align="center">Changwon Lee, Minchul Kim, Jinwoo Park, Jeonghoon Oh, and Kihwan Eom</p>	<p align="center">Implementation of Knowledge Engine-based u-Health Architecture</p> <p align="center">Jeong Ah Kim, MinHee Choi, Insook Choi, Yoon Kim</p>
16:30~16:45	<p align="center">Implementation of RFID Tag for Metal Surface Mount</p> <p align="center">Chong Ryol Park, Sang Won Yoon, Kyung Kwon Jung and Ki Hwan Eom</p>	<p align="center">A New Approach for Semantic Web Matching</p> <p align="center">Kamran Zamanifar, Golsa Heidary, Naser Nematbakhsh, Farhad Mardukhi</p>
16:45~17:00	<p align="center">U-bus system design based on WSN for the Blind People</p> <p align="center">Trung Pham Quoc, Minchul Kim, Hyunkwan Lee, and Kihwan Eom</p>	<p align="center">Security Enhancement in MANET Authentication by checking the CRL status of Servers</p> <p align="center">Azeem Irshad, Wajahat Noshairwan, Muhammad Shafiq, Shahzada Khurram, Ehtsham Irshad, Muhammad Usman</p>
17:00~17:15	<p align="center">Measurements and Modeling of Noise on 22.9-kV Medium-Voltage Underground Power Line for Broadband Power Line Communication</p>	<p align="center">VCognitive Informatics in Medical Image Semantic Content Understanding</p>

17:00~17:15	Seungjoon Lee, Donghwan Shin, Yonghwa Kim, Jaejo Lee, and Kihwan Eom	Marek R. Ogiela, Lidia Ogiela
17:15~17:30	Optimal Control of Electric Power Generation in Multi Level Water Dams	Performance Evaluation of Group Mobility in Mobile Ad hoc Networks
	Yeosun Kyung, Joowoong Kim, Sungboo Jung, Kihwan Eom	Ehtsham Irshad, Wajahat Noshairwan, Muhammad Shafiq, Shahzada Khurram, Azeem Irshad, Muhammad Usman
17:30~17:45	Real-Time Hand Gesture SEMG using Spectral Estimation and LVQ for Two-Wheel Control	Processing of Handwritten Signature Image for Authentication
	Mohammad Afif B Kasno, Jihoon Ahn, Kyungkwon Jung, Yonggu Lee, and Kihwan Eom	Rosliin John Robles
17:45~18:00	State of the Art of Network Security Perspectives in Cloud Computing	Access Requirement Analysis of E-Governance Systems
	Tae (Tom) Oh	Maricel Balitanas