

## Program of SUComS 2011

Time\Date	September 21	September 22	September 23	
09:00-	Registration	Registration	<b>A tour to Taroko National Park (08:00-12:00)</b>	
09:50-10:00	Opening			
10:00-11:30	K1	K2		
11:30-13:00	Lunch			
13:00-15:00	A1	B1	A3	B3
15:00-15:30	Coffee break			
15:30-17:30	A2	B2	A4	B4
18:00-20:00	BBQ reception		Round table banquet	

### September 21

**K1 Session:** (chair: Ruay-Shiung Chang)

Han-Chieh Chao

Internet of Things and Cloud Computing for Future Internet

**A1 Session:** (chair: Sheng-Lung Peng)

1. Guanling Lee, Yu-Tang Zhu and Yi-Chun Chen  
Summarizing Association Itemsets by Pattern Interestingness in a Data Stream Environment
2. Guanling Lee, Yi-Chun Chen, Sheng-Lung Peng and Jyun-Hao Lin  
Solving the Sensitive Itemset Hiding Problem Whilst Minimizing Side Effects on a Sanitized Database
3. Junghoon Lee, Hye-Jin Kim, and Jason Cho

Charging station advertisement on digital multimedia broadcasting platform

4. Junghoon Lee, Hye-Jin Kim, Jin-hee Ko, and Youngshin Hong  
Carousel scheduling of advertisement contents on digital multimedia broadcasting

**A2 Session:** (chair: Shou-Chih Lo)

1. Chien-Hung Chen, Tai-Shan Liao and Chi-Hung Hwang  
Implementation of a Large Data Processing Method for Embedded System and CMOS SNR Application
2. Fu-Chien Kao, Wei-De Li, Ting-Hao Huang  
The Design of Ubiquitous Learning System with Computing Context-Aware Function
3. Chao-Tung Yang, Chu-Hsing Lin and Guey-Luen Chang  
Implementation of Image Watermarking Processes on Cloud Computing Environments
4. Chao-Chin Wu, Lien-Fu Lai, Liang-Tsung Huang, Chao-Tung Yang and Chung Lu  
The Performance Impact of Different Master Nodes on Parallel Loop Self-Scheduling Schemes for Rule-based Expert Systems
5. Chao-Tung Yang, Chung-Che Lai, Wei-Sheng Chen, Jung-Chun Liu and William C. Chu  
Implementation of a Smart Grid System with SOA-based Service on Cloud

**B1 Session:** (chair: Pei-Chen Tseng)

1. Toshihiko Yamakami  
Gate Opening Effect: Toward Understanding Mobile-Specific Service Evolution
2. Toshihiko Yamakami  
Hybrid Service Integration Engineering: Implications from a Game-Story-Combined Mobile Social Game
3. Shun-Yu Jhong, Chun-Cheng Lin, Wan-Yu Liu, and Weidong Huang  
Rectangular Cartogram Visualization Interface for Social Networks
4. Tzong-Shyan Lin, Chun-Cheng Lin  
A Framework of a Recommendation System Utilizing Expert Groups on a Social Network

**B2 Session:** (chair: Ming-Huang Guo)

1. Rung-Shiang Cheng, Chun-Yu Ke, Chung-Ying Tsai, Chien-Jen Wang  
A Mobile Homecare Application Combining with Alarm Clock and GPS Positioning Function
2. Chun-Cheng Lin, Yeong-Sheng Chen, and Der-Jiunn Deng  
On Adaptive Multi-Channel MAC Protocol for MANETs
3. Pei-Chen Tseng, Jai-Yan Tsai and Wen-Shyang Hwang  
WiMAX DBA Algorithm Using a 2-tier Max-Min Fair Sharing Policy

4. Ming-Huang Guo, Horng-Twu Liaw, Jui-Kheng Tang, and Chih-Ta Yen  
High Security Authentication Mechanism for Mobile Networks
5. Teng-Hui Wang, Ming-Yi Shih, and Der-Jiunn Deng  
Quality-of-Service in Wireless Personal Area Networks

## **September 22**

### **K2 Session:** (chair: Hsing Mei)

Mounir Hamdi

Building Next Generation Massive Data Centers

### **A3 Session:** (chair: Han-Ying Kao)

1. Bowonsak Seisangsittisunti and Juggapong Natwichai  
Achieving k-Anonymity for Associative Classification in Incremental-data Scenarios
2. Koninika Pal, Prajna Devi Upadhyay and Animesh Dutta  
A Petri Net Based Model for Multipoint Multistream Synchronization in Multimedia Conferencing
3. Chiung-Yi Wu, Kuo-Ping Wu, Jason Shih and Hahn-Ming Lee  
VoIPS: VoIP Secure encryption VoIP solution
4. Hide Nakayama, Kentaro Iwasawa, Chen Chi Wu, Takuo Fugunaga and Daisuke Ogawa  
Performance Evaluation of BONET with PCI Express 2.0

### **A4 Session:** (chair: Rung-Shiang Cheng)

1. Rosslin John Robles, Maricel Balitanas and Tai-Hoon Kim  
Security Encryption Schemes for Internet SCADA: Comparison of the Solutions
2. Maricel Balitanas, Rosslin John Robles and Tai-Hoon Kim  
Retrofit to CAIN Issues for Critical Infrastructures
3. Cheng-Jen Tang and Miao-Ru Dai  
Energy Cost Effectiveness of Cloud Service Datacenters
4. Pao-Lien Lai and Ming-Yi Chiu  
Uniform disjoint cycle covers on a hierarchical multicomputer system

### **B3 Session:** (chair: Sheng-Yuan Yang)

1. Yuan-Hsiang Lin, Zhe-Min Lin, Ya-Ting Hsu and Hau-Ying Ku  
A Mobile Intelligent Blood Pressure Monitor based on the Android Smartphone
2. Yuan-Hsiang Lin, Chih-Fong Lin and He-Zhong You  
A Driver's Physiological Monitoring System Based on a Wearable PPG Sensor and a Smartphone

3. Gu-Min Jeong, Wan-Sik Choi, Gyu Young Han, Dong-Kwon Seo and Jeong-Yun Yeo  
Paradigm shift and the state of the art of LBS with the advent of smartphone
4. Srividya Bhat and Nandini S Sidal  
Agent Based Approach in Accessing Distributed Health Care Services

**B4 Session:** (chair: Der-Jiunn Deng)

1. Siriphath Oumtrakul, Natharin Chanuntawaree, Jerry Gao, Hsing Mei and Frank Zhang  
AdTouch: A 2D-Barcode Based Mobile Advertising Service System
2. Chia-Hung Yeh, Yi-Sian Wu, Wen-Yu Tseng, Wan-Jen Huang and Min-Kuan Chang  
MIMO Relay Selection with Suboptimal Power Allocation Transmission over  
Cooperative Communication Networks
3. Sheng-Yuan Yang, Dong-Liang Lee, Kune-Yao Chen and Chun-Liang Hsu  
Energy-saving Information Multi-agent System with Web Services for Cloud  
Computing
4. Chih-Hao Liu and Jason Jen-Yen Chen  
Role-based Mobile Agent for Group Task Collaboration in Pervasive Environment
5. Yi Xu and Jun Yan  
A Cloud based Information Integration Platform for Smart Car