

## PROGRAM SCHEDULE

Start End	June 27, 2011 (Monday)
14:00 15:00	<b>FTRA Fellow Annual Meeting</b> <b>Room:Carnation I</b>
15:00 16:00	<b>KI-IT Executive Meeting</b> <b>Room:Carnation I</b>
16:00 17:00	<b>ISCC Steering Committee Meeting</b> <b>Room:Carnation I</b>
17:00 18:00	<b>EAPIC-IST Steering Committee Meeting</b> <b>Room:Carnation I</b>

Start End	June 28, 2011 (Tuesday)					
08:30 09:00	<b>Registration</b>					
09:00 10:20	<b>Session 1-A</b> (FT-11) (Chair:Huy Kang Kim)  Room:TULIP	<b>Session 1-B</b> (MUST-11) (Chair: HaiPeng Liu)  Room:GERANIUM	<b>Session 1-C</b> (STA-11) (Chair: Muhammad Abulaish)  Room:Carnation I	<b>Session 1-D</b> (STA-11) (Chair: Jaek Cho)  Room:Carnation II	<b>Session 1-E</b> (MUE-11) (Chair: : Se-Hak Chun)  Room:LILIUM	<b>Session 1-F</b> (MUE-11) (Chair: Seung Ho Lim)  Room:JASMINE
10:20 10:40	<b>Coffee Break</b>					
10:40 12:00	<b>Session 2-A</b> (FT-11) (Chair:Andrzej Skulimowski)  Room:TULIP	<b>Session 2-B</b> (ITSA-11) (Chair:Young-Sik Jeong)  Room:GERANIUM	<b>Session 2-C</b> (STA-11) (Chair: Mohammed A. Moharrum)  Room:Carnation I	<b>Session 2-D</b> (STA-11) (Chair: Jaek Cho)  Room:Carnation II	<b>Session 2-E</b> (MUE-11) (Chair: Deokgyu Lee)  Room:LILIUM	<b>Session 2-F</b> (MUE-11) (Chair: Seung Ho Lim)  Room:JASMINE
12:00 13:40	<b>Lunch</b>					
13:40 14:50	<b>Opening Remark by Prof. Young-Sik Jeong</b> (FutureTech 2011, STA 2011, MUE 2011)  Keynote Speech 1, (Chair: Young-Sik Jeong ) <b>Title: eScience: The road to true multidisciplinary research</b> by <b>Prof. Peter Sloot</b> , Scientific Director of the Informatics Institute, The Netherlands Room: TULIP					
14:50 15:00	<b>Break</b>					
15:00 16:00	Keynote Speech 2, (Chair: Jongsung Kim) <b>Title: 30 Years Computer Hacking: Can We Achieve Secure and Trusted Computing?</b> by <b>Prof. Yvo Desmedt</b> , Department of Computer Science, University College London, UK Room: TULIP					
16:00 16:20	<b>Coffee Break</b>					
16:20 18:00	<b>Session 3-A</b> (Social.-11) (Chair:Dina Hussein)  Room:TULIP	<b>Session 3-B</b> (F2GC-11) (Chair:Young-Gab Kim)  Room:GERANIUM	<b>Session 3-C</b> (STA-11) (Chair:Michael Wilson)  Room:Carnation I	<b>Session 3-D</b> ( STA-11) (Chair:Muhammad Abulaish)  Room:Carnation II	<b>Session 3-E</b> (MUE-11) (Chair: Kuei-Fang Hsiao)  Room:LILIUM	<b>Session 3-F</b> (MUE-11) (Chair: Seung Ho Lim)  Room:JASMINE
21:00 22:00	<b>Welcome Reception (Place: Main Pool bar)</b>					

The 6th International Conference on Future Information Technology (FutureTech 2011)

Start End	June 29, 2011 (Wednesday)					
08:30 09:00	<b>Registration</b>					
09:00 10:20	<b>Session 4-A</b> (FT-11) (Chair: Sang-Ki Suk)  Room:TULIP	<b>Session 4-B</b> (ISCC-11) (Chair: Yunsik Kwak)  Room:GERANIUM	<b>Session 4-C</b> (EAPIC-IST-11) (Chair: Seng-Phil Hong)  Room:Carnation I	<b>Session 4-D</b> (STA-11) (Chair: Seung-Ho Lim)  Room:Carnation II	<b>Session 4-E</b> (MUE-11) (Chair: Deokgyu Lee)  Room:LILIUM	<b>Session 4-F</b> (MCC-11) (Chair: Jongsung Kim)  Room:JASMINE
10:20 10:40	<b>Coffee Break</b>					
10:40 12:00	<b>Session 5-A</b> (FT-11) (Chair: Young-Sik Jeong)  Room:TULIP	<b>Session 5-B</b> (ISCC-11) (Chair: Yoonsik Kwak)  Room:GERANIUM	<b>Session 5-C</b> (EAPIC-IST-11) (Chair: Won-Hyung Lee)  Room:Carnation I	<b>Session 5-D</b> (IWCS-11) (Chair:Giorgos Karopoulos)  Room:Carnation II	<b>Session 5-E</b> (MUE-11) (Chair: Chrisa Tsinaraki)  Room:LILIUM	<b>Session 5-F</b> (MCC-11) (Chair: Cheong Ghil Kim)  Room:JASMINE
12:00 13:40	<b>Lunch</b>					
13:40 14:40	Keynote Speech 3, (Chair: Sang-Soo Yeo) <b>Title: Distributed Intelligence - Convergence, divergence and ubiquitous access for future technological developments</b> by <b>Prof. Habib F. Rashvand</b> , School of Engineering, University of Warwick, UK Room: TULIP					
14:40 15:00	<b>Break</b>					
15:00 16:00	Keynote Speech 4, (Chair: Changhoon Lee) <b>Title: Coordination in Agile Product Line Development</b> by <b>Prof. J.C. (Hans) van Vliet</b> , Department of Information Management and Software Engineering (IMSE), Vrije Universiteit, The Netherlands Room: TULIP					
16:00 16:20	<b>Coffee Break</b>					
16:20 18:00	<b>Session 6-A</b> (Social-11) (Chair: Isaac Wiafe)  Room:TULIP	<b>Session 6-B</b> (ISCC-11) (Chair: BongHwa Hong)  Room:GERANIUM	<b>Session 6-C</b> (EAPIC-IST-11) (Chair: Heuseok Lim)  Room:Carnation I	<b>Session 6-D</b> (IWCS-11) (Chair: Seung-Ho Lim)  Room:Carnation II	<b>Session 6-E</b> (MUE-11) (Chair: Marcelo S. Alencar)  Room:LILIUM	<b>Session 6-F</b> (MCC-11) (Chair: Kilhung Lee)  Room:JASMINE
19:00 20:30	<b>Banquet (Room: TULIP)</b>					

Start End	June 30, 2011 (Thursday)					
09:00 09:30	<b>Registration</b>					
09:00 10:20	<b>Session 7-A</b> (FT-11) (Chair: Se-Hak Chun)  Room:TULIP	<b>Session 7-B</b> (ISCC-11) (Chair: Hoojin Lee)  Room:GERANIUM	<b>Session 7-C</b> (EAPIC-11) (Chair:Jongsung Kim)  Room:Carnation I	<b>Session 7-D</b> (IWCS-11) (Chair:Jaek Cho)  Room:Carnation II	<b>Session 7-E</b> (STAVE-11) (Chair: Ian Sandy)  Room:LILIUM	<b>Session 7-F</b> (MUE-11) (Chair: Deokgyu Lee)  Room:JASMINE
10:20 10:40	<b>Coffee Break</b>					
10:40 12:00	<b>Session 8-A</b> (FT-11) (Chair: Doo-Soon Park)  Room:TULIP	<b>Session 8-B</b> (ISCC-11) (Chair: Sang-Soo Yeo)  Room:GERANIUM	<b>Session 8-C</b> (EAPIC-11) (Chair: Changhoon Lee)  Room:Carnation I	<b>Session 8-D</b> (EAPIC-11) (Chair:Hangbae Chang)  Room:Carnation II	<b>Session 8-E</b> (STAVE-11) (Chair: Siani Pearson)  Room:LILIUM	<b>Session 8-F</b> (MUE-11) (Chair: Yangsun Lee)  Room:JASMINE
Note	<ol style="list-style-type: none"> <li>1. A paper presentation should be made by one of authors of the paper, during a 20 minute time slot (15 minutes for the presentation itself and 5 minutes for Q/A).</li> <li>2. All speakers of each session should meet the session chair at its room 10 minutes before the session.</li> <li>3. We will prepare Windows 7 laptops running the Adobe Reader and Microsoft Office 2007 for paper presentations. Please prepare your presentation files for being read by those applications.</li> <li>4. If you have any query, please feel free to contact via (<a href="mailto:cretecon@ftrai.org">cretecon@ftrai.org</a>).</li> </ol>					

## DETAILED SCHEDULE

June 28, 2011 (Tuesday)

08:30 - 09:00 Registration

09:00 - 10:20 [Session 1-A: FutureTech 2011](#)

(Room: TULIP)

(Chair: Huy Kang Kim)

- **New Secure Storage Architecture for Cloud Computing**  
*Sameera Almula and Chan Yeun*
- **TSorter: A Conflict-Aware Transaction Processing System for Clouds**  
*Po-Cheng Chen, Yen-Liang Su, Jyh-Biau Chang and Ce-Kuen Shieh*
- **Solving English Questions Through Applying Collective Intelligence**  
*Dongjin Choi, Myunggwon Hwang, Byeongkyu Ko and Pankoo Kim*
- **IO-Aware Custom Instruction Exploration for Customizing Embedded Processors**  
*Amir Yazdanbakhsh, Mostafa E. Salehi and Sied Mehdi Fakhraie*

09:00 - 10:20 [Session 1-B: MUST 2011](#)

(Room: GERANIUM)

(Chair: HaiPeng Liu)

- **Relevance feedback for surveillance video retrieval at object level**  
*Thi-Lan LE*
- **Computational Techniques in Political Language Processing: AnaDiP-2011**  
*Daniela Gifu and Dan Cristea*
- **An Efficient Approach for video action classification based on 3D zernike moments**  
*I. Lassoued, E. Zagrouba, Y. Chahir*
- **Visual Information based Argument Categorization for Semantics of Chinese Verb**  
*Hai Peng Liu, Xiao Jie Wang, Yi Xin Zhong*

10:20 - 10:40 Coffee Break

**10:40 - 12:00**    [Session 2-A: FutureTech 2011](#)

**(Room: TULIP)**

**(Chair: Andrzej Skulimowski)**

- **Whom to Convince? It really matters in BGP prefix hijacking attack and defense**  
*Yujing Liu, Bin Dai, Peidong Zhu and Jinshu Su*
- **Proactive detection of botnets with intended forceful infections from multiple malware collecting channels**  
*Young Hoon Moon and Huy Kang Kim*
- **LAPSE+ Static Analysis Security Software: Vulnerabilities Detection in Java EE Applications**  
*Pablo Martín Pérez, Joanna Filipiak and José María Sierra Cámara*
- **The Construction of Remote Microcontroller Laboratory using open software**  
*Kwansun Choi, Saeron Han, Dongsik Kim, Jongsik Lim, Sunheum Lee, Doo-Soon Park and Heunggu Jeon*

**10:40 - 12:00**    [Session 2-B: ITSA 2011](#)

**(Room: GERANIUM)**

**(Chair: Young-Sik Jeong)**

- **Camel-Vehicle Accidents Mitigation System: Design and Survey**  
*Khaled Ragab, Mohammed Zahrani and Asrar Ul Haque*
- **A Hierarchical Architecture for Semantic Sensing Information Representation**  
*Rajani Reddy Gorrepati, Hyeon Park, Dong-Hwan Park, and Do-Hyeun Kim*
- **An Integrated Process Method of Sensing Data for Multi-Sensor Networks**  
*Jun-Pil Boo, Do-Hyeun Kim, Hee-Dong Park, and Paul Roe*

**12:00 - 13:40**    **Lunch**

**13:40 - 13:50**    **[Opening Remark](#)** (FutureTech 2011, STA 2011, MUE 2011)

**(Room: TULIP)**

*By Prof. Young-Sik Jeong*

13:50 - 14:50 **Keynote Speech 1**

(Room: TULIP)

(Chair: Young-Sik Jeong)

**eScience: The road to true multidisciplinary research**

*Prof. Peter Sloot, Scientific Director of the Informatics Institute, The Netherlands*

14:50 - 15:00 Break

15:00 - 16:00 **Keynote Speech 2**

(Room: TULIP)

(Chair: Jongsung Kim)

**30 Years Computer Hacking: Can We Achieve Secure and Trusted Computing?**

*Prof. Yvo Desmedt, Department of Computer Science, University College London, UK*

16:00 - 16:20 Coffee Break

16:20 - 18:00 **Session 3- A: SocialComNet 2011**

(Room: TULIP)

(Chair: Dina Hussein)

- **A user supporting Personal Video Recorder based on a generic Bayesian classifier and social network recommendations**  
*Benedikt Engelbert, Ralf Kruthoff-Br, Malte Blanken, Karsten Morisse*
- **Local Community Finding using Synthetic Coordinates**  
*Harris Papadakis, Costas Panagiotakis, Paraskevi Fragopoulou*
- **Virtual B-Tree Topology: A Self-Routing Topology for a Wireless Sensor Network**  
*Shan-Yang Wang, Tzu-Chiang Chiang, Chu-Sing Yang*
- **A Peer-to-Peer Social Network Overlay for Efficient Information Retrieval and Diffusion**  
*Salma Ktari, Artur Hecker*
- **Good Friends, Bad News - Affect and Virality in Twitter**  
*Lars Kai Hansen, Adam Arvidsson, Finn Aarup Nielsen, Elanor Colleoni, Michael Etter*

16:20 - 18:00 [Session 3- B: F2GC 2011](#)

(Room: GERANIUM)

(Chair: Young-Gab Kim)

- **Forensic Analysis of Residual Information in Adobe PDF files**  
*Hyunji Chung, Jungheum Park, Sangjin Lee*
- **Digital Evidence Discovery and Knowledge Management issues concerning Multimedia Computing Devices Utilizing GPS Navigation Services and Social Network Activities**  
*Hai-Cheng Chu, K. H. Chang, Yi-Da Wang, and Jong Hyuk Park*
- **Recovery Techniques for Deleted Email Items in Digital Forensic Context**  
*Chorong Jeong, Keun-gi Lee, Sangjin Lee*
- **Website Risk Assessment System for Anti-Phishing**  
*Young-Gab Kim, Sungdeok Cha*
- **Digital Quantum Forensics: Challenges and Responses**  
*Richard E Overill*

21:00 – 22:30 Welcome Reception (Place: Main Pool Bar)

## June 29, 2011 (Wednesday)

08:30 - 09:00 Registration

09:00 - 10:20 [Session 4-A: FutureTech 2011](#)

(Room: TULIP)

(Chair: Sang-Ki Suk)

- **The Improved Space-Time Trellis Codes with New Mapping on Fast Fading Channels**  
*Ik Soo Jin*
- **A Low-Power Wakeup-On-Demand Scheme for Wireless Sensor Networks**  
*Byungbog Lee*
- **An Adaptive WiFi Rate Selection Algorithm for Moving Vehicles with motion Prediction**  
*Jianwei Niu, Shaohui Guo and Guoping Du*
- **A Radio Channel Sharing Method Using a Bargaining Game Model**  
*Jaesung Park, Yong-Hoon Choi and Kilhung Lee*
- **Automatic Documents Annotation by Keyphrase Extraction in Digital Libraries using Taxonomy**  
*Iram Fatima*

09:00 - 10:20 [Session 4-B: ISCC 2011](#)

(Room: GERANIUM)

(Chair: Yunsik Kwak)

- **A Study on Receiving Performance Improvement of LTE Communication Network Using Multi-hop Relay Techniques**  
*Chan-Hong Park, Youg-Seok Choi, Young-Hwan Han, Hyeon-Kyeong Seong*
- **Implementation of Linux Server System Monitoring and Control Solution for Administrator**  
*Sung-Won Jang, Byeong-Ho Park, Sang-Ju Park, Hyeon-Kyeong Seong*
- **From Trading Volume to Trading Number-based Pricing at Home Trading System on Korean Stock Market**  
*Youngsik Kwak, Yunkyung Lee, Jaeweon Hong, Wanwoo Cho, Ho Jang, Daehyun Park*
- **3D Content Industry in Korea : Present Conditions and Future Development Strategies**  
*Yunkyung Lee, Youngsik Kwak*
- **The Influences of On-line Fashion Community Network Features on the Acceptance of Fashion Information**  
*Kieun Song, Sunjin Hwang, Yunsik Kim, Youngsik Kwak*
- **The Effect of Corporate Strategy and IT Role on the Intent for IT Outsourcing Decision**

*Dong-Hwan Cho, Jin-Sung Kim*

- **The Effects of Project, Customer and Vendor Properties on the Conflict of IS Outsourcing Development**  
*Dong-Hwan Cho, Haeng-Nam Sung*
- **A Study on IT Organization Redesign with IT Governance: Focusing on K Public Corporation in Korea**  
*Dong Hwan Cho, Hyoung Seop Shim*
- **An Analysis of U-healthcare Business Models and Business Strategies: Focused on Life Insurance Industry**  
*Dong-Hwan Cho, Jin-Hyuk Hong*
- **A Study of Mobile Application usage in After Service Management for Consumer Electronics Industry**  
*Wonkyu Ji*

**09:00 - 10:20**    [Session 4-C: EAPIC-IST 2011](#)

**(Room: Carnation I)**

**(Chair: Seng-Phil Hong)**

- **A Novel Remote Detection Method of Illegal Electricity Usage Based on Smart Resistance**  
*Byambasuren Bat-Erdene, Sang-Yep Nam, Dong-Han Kim*
- **Applied Method for One Source Multi Use (OSMU) in the Broadcasting Communication Convergence Environment**  
*Hyunmi Jang, SengPhil Hong, Kyongjin Kim, Jae-Jung Kim*
- **Finger Gesture Estimation for Mobile Device User Interface using a rear-facing camera**  
*Jun-ho An, Kwang-seok Hong, Jin-hong Min*
- **Device Collaboration System based on Context-Aware Architecture in Smart Environments**  
*Sook-Youn Kwon, Chan-Yung Choi, Jae-Hyun Lim*
- **Developing English Learning Contents for Mobile Smart Devices**  
*Seongwon Park, Kwangeak Lee, Bong Gyou Lee*
- **Pre-test Analysis for First Experiences of Korean e-Voting Services**  
*Ki Youn Kim, Dae Jung Kim, Bong Gyou Lee*

**10:20 - 10:40**    **Coffee Break**

**10:40 - 12:00**    [Session 5-A: FutureTech 2011](#)

**(Room: TULIP)**

**(Chair: Young-Sik Jeong)**

- **Future Trends of Intelligent Decision Support Systems and Models**  
*Andrzej M.J. Skulimowski*
- **Strategies for IT Convergence Services in Rural Areas**  
*Hyongsoon Kim, Kwang-Taek Ryu, Sang-Yong Ha and Eunyoung Lee*
- **A Dependable and Efficient Scheduling Model And Fault tolerance Service for Critical Applications on Grid Systems**  
*Bahman Arasteh and Mohammad Javad Hosseini*
- **The Performance Evaluation of Heuristic Information-Based Wireless Sensor Network Routing Method**  
*Hykkyoung Jeon, Seungjin Han, Keewook Rim and Junghyun Lee*

**10:40 - 12:00**    [Session 5-B: ISCC 2011](#)

**(Room: GERANIUM)**

**(Chair: Yoonsik Kwak)**

- **Outage Probability Evaluation of DSF-Relaying equipped CDD schemes for MC-CDMA systems\***  
*Kyunbyoung Ko, Choongchae Woo*
- **Exact Closed-form Outage Probability Analysis using PDF approach**  
*Jeanyeung Jang, Kyunbyoung Ko*
- **On BER Performance of CDD-DF-Relay scheme**  
*Jeanyeung Jang, Choongchae Woo, Kyunbyoung Ko*
- **Communication and Computation Overlap through Task Synchronization in Multi-Locale Chapel Environment #**  
*Bongen Gu, Weikuan Yu, Yunsik Kwak*
- **MF-SNOOP for Handover Performance Enhancement #**  
*Chi-Hyun Ahn, Hyoungchul Kim, Jongjung Woo*
- **Software RAID 5 for OLTP Applications with Frequent Small Writes**  
*Kijeong Khil, Dongho Kwak, Seokil Song, Yunsik Kwak, Seungkook Cheong*
- **Design and Analysis of Optimizing Single-Element Microstrip Patch Antenna for Dual-Band Operations #**  
*Dong-Hee Park, Yoonsik Kwak*
- **A Study on the Strength Improvement of Recycled Aggregates using Industrial Waste #**  
*Jung-sik Kim, Hyun-gi Ryu*

- **A Study on the Mechanical Properties Analysis of Recycled Coarse Aggregate using Polymer Impregnated #**  
*Hyun-gi Ryu, Jung-sik Kim*
- **Design and Implementation of the Application service System based on Sensor Networks**  
*Yoonsik Kwak, Donghee Park*
- **Implementation of AUV Test-Bed**  
*Soon T. Kwon, W. K. Baek, Moon G. Joo*

**10:40 - 12:00**    **Session 5-C: EAPIC-IST 2011**

**(Room: Carnation I)**

**(Chair: Won-Hyung Lee)**

- **A Flexible Cost-based Privacy-aware Data Integration System in Cloud**  
*Yuan Tian, Biao Song, Eui-nam Huh*
- **An Applicable Model Enabling IPTV Service Delivery over Virtual Network**  
*Biao Song, Mohammad Mehedi Hassan, Eui-nam Huh*
- **A Design of Short-Term Load Forecasting Structure based on ARIMA using Load Pattern Classification**  
*Kyoung-Mi Im, Jae-Hyun Lim*
- **Changes and directions of mobile technology and infrastructure to enhancing public education: Policy and strategy perspectives in South Korea**  
*Ji Young Choi, Hye Jeong Kim, WonGyu Lee*
- **Analyzing User Satisfaction Factors for Instant Messenger-based Mobile SNS**  
*Seongwon Park, Duckshin Oh, Bong Gyou Lee*
- **Analysis of the RPS System in Korea based on SCP Framework**  
*Giseob Byun, Taisiya Kim, Ki Youn Kim, Bong Gyou Lee*

**12:00 - 13:40**    **Lunch**

**13:40 - 14:40**    **Keynote Speech 3**

**(Room: TULIP)**

**(Chair: Sang-Soo Yeo)**

**Distributed Intelligence - Convergence, divergence and ubiquitous access for future technological developments**

*Prof. Habib F. Rashvand, School of Engineering, University of Warwick, UK*

14:40 - 15:00 Break

15:00 - 16:00 **Keynote Speech 4**

(Room: TULIP)

(Chair: Changhoon Lee)

**Coordination in Agile Product Line Development**

*Prof. J.C. (Hans) van Vliet, Department of Information Management and Software Engineering  
(IMSE), Vrije Universiteit, The Netherlands*

16:00 - 16:20 Coffee Break

16:20 - 18:00 **Session 6- A: SocialComNet 2011**

(Room: TULIP)

(Chair: Isaac Wiafe)

- **Semantic Verification in an Open Collaboration Scenario**  
*Jorge Coelho, Mario Florido*
- **Designing Persuasive Third party Applications for Social Networks**  
*Isaac Wiafe, Keiichi Nakata, Stephen Gulliver*
- **A Self-adaptive Clustering Scheme with a Time-Decay Function for Microblogging Text Mining**  
*CHIH-HUNG WU, CHUNG-HONG LEE*
- **Towards Usage-Centered Design Pattern for Social Networking Systems**  
*Dina Hussein, Ghada Alaa, Ahmed Hamad*

16:20 - 18:00 **Session 6- B: ISCC 2011**

(Room: GERANIUM)

(Chair: BongHwa Hong)

- **A Study on Model Transformation Mechanism using Graph Comparison Algorithms and Software Model Property Information**  
*Jong-won Ko, Hwa-young Jeong, Young-jae Song*
- **A Learning System using User Preference in Ubiquitous Computing Environment**  
*HwaYoung Jeong, BongHwa Hong*
- **An Application of SCORM based CAT for E-Learning**

*HwaYoung Jeong, BongHwa Hong*

- **Introduction of the Art of Korean Traditional Culture: Multimedia based Pansori**  
*Dong-Keon Kim*
- **A Design and Implementation of Mobile Puzzle Game**  
*Seongsoo Cho, Bhanu Shrestha, KwangChul Son, Bonghwa Hong*
- **China's Electronic Information Policy**  
*Won-bong Lee*
- **A Study on the SNS (social network service) based on location Model Combining Mobile context-awareness and Real-time AR (augmented reality) via Smartphone**  
*Jang-Mook Kang, Bong-Hwa Hong*
- **Performance comparison of communication systems with pulse-shaping filters on a two-ray fading channel<sup>#</sup>**  
*Young Mo Chung, Hoojin Lee*
- **Image Quality Optimization Algorithm for Flat Panel Displays<sup>#</sup>**  
*Min Yoon, Jung-Hoon Lee, Jee-Youl Ryu*

**16:20 - 18:00**    [Session 6-C: EAPIC-IST 2011](#)

**(Room: Carnation I)**

**(Chair: Heuseok Lim)**

- **Automatic Metadata Conversion System with Ontology**  
*Min-Ho Lee, Hwa-Mook Yoon, Won-Kyung Sung, Jae-Cheol Ryou*
- **A Research Model for Evaluating the Success of the DCMS : a digital content management system**  
*Sung-Ho Shin, Hwa-Mook Yoon, Won-Kyung Sung*
- **User's Location Prediction System using the Filtering with Correlation Coefficients Weight**  
*Kyoung-mi Im, Chan-yung Choi, Jae-hyun Lim*
- **An Efficient String Searching Algorithm based on Vowel Occurrence Pattern**  
*Kwang Sik Chung, Heon-Chang Yu, Sung Ho Jin*
- **Virtualization of Access Network for Multihomed Wireless Thin Client**  
*Md. Motaharul Islam, Eui-Nam Huh*
- **New Optimization Techniques for Shear-Warp Volume Rendering**  
*Ki-Young Choi, Sung-Up Jo, Chang-Sung Jeong*
- **A Safe Driving Support System for Motor Vehicles with DSRC**  
*Myung Hwa Hyun, Jisu Park, Jingon Shon, Kwang Sik Chung*

**19:00 - 20:30**    **Banquet (Room: TULIP)**

**June 30, 2011 (Thursday)**

**09:00 - 10:20**    [Session 7-A: FutureTech 2011](#)

**(Room: TULIP)**

**(Chair: Se-Hak Chun)**

- **Smart Mobile Banking and Its Security Issues: From the Perspectives of the Legal Liability and Security Investment**  
*Se-Hak Chun*
- **Future Green Technologies and Performances: A Case Study of the Korean Stock Market**  
*Se-Hak Chun, Seonmin Kim*
- **Corporate Social Responsibility and Its Performances: Application to SRI (Socially Responsible Investing) Mutual Funds**  
*Joon Ho Hwang, Dong Han Kim, Se-Hak Chun*

**09:00 - 10:20**    [Session 7-B: ISCC 2011](#)

**(Room: GERANIUM)**

**(Chair: Hoojin Lee)**

- **Development of PV Monitoring System for an Electric Vehicle Charging Station #**  
*Jaedong Lee, Sung-Hae Song, Yong-Hwan Lee*
- **Mobile Cloud e-Gov design and implementation using WebSockets API**  
*Young-Hyuk Kim, Il-Kwon Lim, Seung-Gu Kang, Jae-Kwang Lee*
- **Noise Reduction in Image Using Directional Modified Sigma Filter**  
*Hye-Youn Lim, Mi-Ran Gu, Dae-Seong Kang*
- **An Approach to Real-time Region Detection Algorithm using Background Modeling and Covariance Descriptor**  
*Jong-Dae Park, Hye-Youn Lim, Dae-Seong Kang*
- **Optimization and generation of knowledge model for supporting technology innovation**  
*Seungsu Jun, Seungryong Lee, Munbong Shin*
- **Research of the Solar Orbit Compute Algorithm for Improving the Efficiency of Solar Cell**  
*Sang-Bong Byun, Eun-Kyung Kim, Yong-Hwan Lee*
- **Video Service Algorithm using Web-cached Multicast Technique in WLAN**  
*Seongyeol Lee, Iksoo Kim*

**09:00 - 10:20**    [Session 7-C: EAPIC-IST 2011](#)

**(Room: Carnation I)**

**(Chair: Jongsung Kim)**



- **An Adaptive Parameter Estimation Method for Wireless Localization using RSSI Measurements**  
*Jinhyung Park, Hyunhun Cho, Seunghae Kim, Dowoo Park, Ahsol Kim, Joongoo Park*
- **Sidelobe Suppression Methods of Cubic-Phase Linear Chirp in Two-ray Multipath Model for UWB Ranging**  
*Jinhyung Park, Hyunhun Cho, Seunghae Kim, Changbeom Lim, Joongoo Park*
- **Predicting Text Entry for Brain-Computer Interface**  
*Saebyeok Lee, Heuiseok Lim*
- **Automatic Music Emotion Classification Using Chords and BPM**  
*Sang-yong Park, Han-Moi Sim, Mi-kyung Kwon, Won-hyung Lee*
- **The Real-time Stereoscopic 3D Image Conversion of Photo and Video Contents**  
*Jun-Eui Lee, Sang-Won Lee, Won-hyung Lee*

**10:20 - 10:40** Coffee Break

**10:40 - 12:00** [Session 8-A: FutureTech 2011](#)

(Room: TULIP)

(Chair: Doo-Soon Park)

- **Relation Extraction from Documents for the Automatic Construction of Ontologies**  
*Ikkyu Choi, Seungmin Rho, Young-Sik Jeong and Minkoo Kim*
- **Load Balancing with fair Scheduling for Multiclass Priority Traffic in Wireless Mesh Networks**  
*Naveen Chilamkurti, Jong Hyuk Park, Neeraj Kumar and Doo-Soon Park*
- **Enlarging instruction window through separated reorder buffers for high performance computing**  
*Min Choi, Jonghyuk Park and Young-Sik Jeong*
- **Comparative Analysis of learning effect on Lexical recognition in the e-Learning and s-Learning**  
*JaeChoon Jo, HeuiSeok Lim*
- **A cognitive ability measuring system with cognitive loading task**  
*YeongWook Yang, HeuiSeok Lim*
- **A Study on the Spectral and Energy Efficient-Path Selection Scheme in Two-hop Cellular Systems**  
*Se-Han Kim, Se-Jin Kim, Byung-Chul Kim and Jae-Yong Lee*
- **A Survey on Smart-Grid & Renewable Energy Business**  
*Sang-Soo Yeo*

**10:40 - 12:00** [Session 8-B: ISCC 2011](#)

(Room: GERANIUM)

(Chair: Sang-Soo Yeo)

- **Compensation System for RF System-on-Chip**  
*Sung-Woo Kim, Jee-Youl Ryu, Jae-Hwan Lim, Seung-Hun Park, Jung-Hoon Lee, Min Yoon*
- **Design and Implementation MoIP Wall-pad platform for Home-Network**  
*Yong-kuk Jung, Min-Su Kweon, Kwang-Seon Heo, Dae-Sung Kim, Young-Gyu Choi*
- **Outlier Rejection Methods for Robust Kalman Filtering**  
*Du Yong Kim, Sang-Goog Lee, Moongu Jeon*
- **A Smart Personal Activity Monitoring System Based on Wireless Device Management Methods**  
*JuGeon Pak, KeeHyun Park*
- **A study on demodulation system design of the VOR receiver**  
*Jeong IL Park, Hwa Se Park*
- **A Study on the split algorithm of URL LIST collected by web crawler**  
*IL-Kwon Lim, Young-Hyuk Kim, Seung-Gu Kang, Jae-Kwang Lee*
- **A Study on Authentication system using QR code for mobile cloud computing environment**  
*Dong-Sik Oh, Bong-Han Kim, Jae-Kwang Lee*
- **Research on the I/O Performance Advancement of a low speed HDD using DDR-SSD**  
*Seung-Kook Cheong, Jae-Jin Jeong, Yong-Wan Jeong, Dae-Sik Ko, Young-Hoon Lee*
- **Neighborhood Evolution in MANET Experiments**  
*Julien Franzolini, Frederic Guinand, Damien Olivier*

10:40 - 12:00 [Session 8-C: EAPIC 2011](#)

(Room: Carnation I)

(Chair: Changhoon Lee)

- **The changes in performance during stress-inducing cognitive task: Focusing on processing difficulty**  
*Jinyoung Song, Taewon Chung, Jinwon Kang, Kichun Nam*
- **The changes in performance during cognitive load inducing tasks**  
*Heejin Park, Yoonkyung Choe, Yoonhye Na, Kichun Nam*
- **Design and Implementation of Large-Scale Data Model for Data Loss Prevention**  
*HaeWon Byun*
- **Sensitive Information Protection in Portable Device**  
*HaeWon Byun*
- **The Mobile ID based Biometric Undeniable Signature Scheme**  
*SungHyun Yun*

10:40 - 12:00 [Session 8-D: EAPIC 2011 & ISCC 2011](#)

(Room: Carnation II)

**(Chair: Hangbae Chang)**

- **Approach to the Privacy Provision Mechanism for Securely Sharing Personal Information**  
*Sung-Chan Hong, Seng-phil Hong*
- **Design of a Programming Environment Based on the Touch Interface for Ubiquitous Learning**  
*Ji-min Kim, Jae-kwoun Shim, Il-kyu Yoon, Dai-young Kwon, Won-gyu Lee*
- **Design of a Pleasant-Arousal Measuring System Based on Psychophysiological Factors for Inferring Six Basic Emotions**  
*Daiyoung Kwon, Yeonji Baik, Kichun Nam, Wongyu Lee*
- **Applied to Privacy Information protection in Broadcast Communication (IPTV) Environments.**  
*Jun Hwang, Jinhyung Kim*
- **The Mobile Voting Scheme to Ensure Fairness Property by Candidates**  
*SungHyun Yun*