

## PROGRAM SCHEDULE

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: Jaeik 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: Jaeik 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	<p><b>Opening Remark by Prof. Young-Sik Jeong</b> (FutureTech 2011, STA 2011, MUE 2011)</p> <p>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</p>					
14:50 15:00	<b>Break</b>					
15:00 16:00	<p>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</p>					
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>					

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	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). 2. All speakers of each session should meet the session chair at its room 10 minutes before the session. 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. 4. If you have any query, please feel free to contact via ( <a href="mailto:cretecon@ftra.org">cretecon@ftra.org</a> ).					

## DETAILED SCHEDULE

June 28, 2011 (Tuesday)

08:30 - 09:00 Registration

09:00 - 10:20 [Session 1-E: MUE 2011](#)

(Room: LILIUM)

(Chair: Se-Hak Chun)

- **CLIO: Context Supporting Collective City Memory**  
*Eleni Christopoulou and Dimitrios Ringas*
- **Capturing the Evolving Properties of Disconnected Mobile P2P Networks**  
*Qingsong Cai, Jianwei Niu, and Yuhang Gao*
- **Velocity Aware Multipath Distance Vector Routing Protocol for High Mobility over Vehicular Ad-Hoc Networks**  
*Won-Il Lee, Shaikhul Islam Chowdhury, Guen-Young Kee, Woon-Sung Baek, and Jae-Young Pyun*

09:00 - 10:20 [Session 1-F: MUE 2011](#)

(Room: JASMINE)

(Chair: Seung Ho Lim)

- **A High-Capacity CDMA Watermarking Scheme Based on Orthogonal Pseudorandom Sequence Subspace Projection**  
*Shouyuan Yang, Zhanjie Song, and Jong Hyuk Park*
- **A Packet Loss Protection Scheme Joint Deterministic Network Coding and Random Linear Network Coding for H.264/AVC**  
*Cuiping Jing, Xingjun Zhang, Yifei Sun, Huali Cui, and Xiaoshe Dong*
- **An Efficient Implementation of Block Cipher in Android Platform**  
*Jung Ha Paik, Seog Chung Seo, Yungyu Kim, Hwan Jin Lee, Hyun-Chul Jung, and Dong Hoon Lee*

10:20 - 10:40 Coffee Break

**10:40 - 12:00**    [Session 2-E: MUE 2011](#)

**(Room: LILIUM)**

**(Chair: Deokgyu Lee)**

- **TouchAll: A Multi-Touch, Gestures, and Fiducials API for Flash/Action Script 3.0**  
*Gonçalo Amador and Abel Gomes*
- **Holistic Feature Extraction for Automatic Image Annotation**  
*Supheakmungkol Sarin, Michael Fahrmaier, Matthias Wagner, and Wataru Kameyama*
- **Visual Recognition Using Density Adaptive Clustering**  
*Lei Ji, Zheng Qin, Kai Chen, and Huan Li*
- **Mobile Context Data Management Framework**  
*David Martín, Carlos Lamsfus, and Aurkene Alzua*

**10:40 - 12:00**    [Session 2-F: MUE 2011](#)

**(Room: JASMINE)**

**(Chair: Seung Ho Lim)**

- **Location Based Hierarchical Secure Multicast Group Building in Wireless Sensor Networks**  
*Jin Myoung Kim, Hae Young Lee, In Geol Chun, Won Tae Kim, Seung Min Park, and Tae Ho Cho*
- **µHands: Architecture for Ubiquitous Help and Safety Services in Emergencies**  
*M. Imran Sarwar, Imran Sarwar, Asif Mufti, and Waqar Mahmood*
- **An Exact and O(1) Time Heaviest and Lightest Hitters Algorithm for Sliding-Window Data Streams**  
*Remous-Aris Koutsiamanis and Pavlos S. Efraimidis*
- **Tests and Performance Analysis of Media Processing Implementations for the Middleware of Brazilian Digital TV System Using Different Scenarios**  
*Tiago H. Trojahn, Juliano L. Gonçalves, Júlio C.B. Mattos, Luciano V. Agostini, and Leomar S. Rosa Júnior*

**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-E: MUE 2011**

(Room: LILIUM)

(Chair: Kuei-Fang Hsiao)

- **Indexing Digital Images Based on Overlap**  
*Lukas Esterle and Mathias Lux*
- **Mobile Multimedia Event Capturing and Visualization (MOME)**  
*Amalia Panteli, Chrisa Tsinaraki, Lemonia Ragia, Fotis Kazasis, and Stavros Christodoulakis*
- **Audiovisual Descriptors for a Linguistic Educational Engine**  
*Veronica Scurtu, Vi Dai Ho, Marius Preda, and Catherine Dang*
- **Impact of Frame Loss Position on Transmitted Video Quality: Models and Improvements**  
*Ahmad Vakili and Jean-Charles Grégoire*
- **A Home-Based Frailty Detection System Using Wireless Sensor Technology with Multimedia Interactive Games**  
*Yu-Chuan Chang, Chung-Chih Lin, Chun-Chang Chen, and Ren-Guey Lee*

**16:20 - 18:00**    [Session 3-F: MUE 2011](#)

**(Room: JASMINE)**

**(Chair: Seung Ho Lim)**

- **A Hybrid Software Architecture for Rich Media Applications on Android Phones**  
*Koji Watanabe, Toshihiko Yamakami, and Kunihiro Ishiguro*
- **Comparative Performance Evaluation of Image Descriptors over IEEE 802.11b Noisy Wireless Networks**  
*Evangelos Chatzistavros, Savvas A. Chatzichristos, Georgios Stamatellos, and Kostantinos Zagoris*
- **A Two-Stage Encoding Scheme for Holographic Data Transmission**  
*Paul A. Akiki and Hoda W. Maalouf*
- **Towards Cultural User Interface Generator Principles**  
*Jung-Min Oh, Yong Sub Lee, and Nammee Moon*
- **An Effective and Efficient Indexing Scheme for Audio Fingerprinting**  
*Guang-Ho Cha*

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

**June 29, 2011 (Wednesday)**

**08:30 - 09:00 Registration**

**09:00 - 10:20 [Session 4-E: MUE 2011](#)**

**(Room: LILIUM)**

**(Chair: Deokgyu Lee)**

- **An Advanced ECC Dynamic ID-Based Remote Mutual Authentication Scheme for Cloud Computing**  
*Tien-Ho Chen, Hsiu-lien Yeh, and Wei-Kuan Shih*
- **Privacy Aware Recommender Service for IPTV Networks**  
*Ahmed M. Elmisery and Dmitri Botvich*
- **An Efficient Implementation of KCDSA on Graphic Processing Units**  
*Seog Chung Seo, Jung Ha Paik, Dong Hoon Lee, Seokhie Hong, Hwan Jin Lee, and Hyun-Chul Jung*
- **Accurate Wrinkle Representation Scheme for Skin Age Estimation**  
*Young-Hwan Choi, Yoon-Sik Tak, Seungmin Rho, and Eenjun Hwang*

**09:00 - 10:20 [Session 4-F: MCC 2011](#)**

**(Room: JASMINE)**

**(Chair: Jongsung Kim)**

- **Resolution Enhancement from Document Images for Text Extraction**  
*Zhan Li and Jiangao Luo*
- **Video Streaming Performance in Wireless Hostile Environments**  
*Alexandros G. Fragkiadakis, Elias Z. Tragos, and Ioannis G. Askoxylakis*
- **AdaptVoD - An Adaptive Video-on-Demand Platform for Mobile Devices**  
*Rafael Fernandes Lopes, Carlos Danilo Miranda Regis, Waslon Terlizzie Araujo Lopes, and Marcelo Sampaio de Alencar*
- **Design and Implementation of Metadata for n-Screen UCC Recommender System**  
*Ju-Hong Song, Jae-Hee Byeon, and Namme Moon*

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

**10:40 - 12:00**    [Session 5-E: MUE 2011](#)

**(Room: LILIUM)**

**(Chair: Chrisa Tsinaraki)**

- **Body Language and Augmented Reality Learning Environment**  
*Kuei-Fang Hsiao and Habib F. Rashvand*
- **A Policy Enforcement Framework for Ubiquitous Computing Applications**  
*Ioannis Panagiotopoulos, Lambrini Seremeti, and Achilles Kameas*
- **A Web Tool to Analyse Negotiation Behavior**  
*Sergio Assis Rodrigues and Jano Moreira de Souza*
- **Convergence of Communication and Broadcast Networks in Physical Layer**  
*Menghui Yang, Xin Su, Jing Wang, and Geyong Min*

**10:40 - 12:00**    [Session 5-F: MCC 2011](#)

**(Room: JASMINE)**

**(Chair: Cheong Ghil Kim)**

- **A Real-time Full-HD 2D-to-3D Conversion System Using Multicore Technology**  
*Ching-Lung Su, Kang-Ning Pang, Tse-Min Chen, Guo-Syuan Wu, Chia-Ling Chiang, Hang-Rnei Wen, Lung-Sheng Huang, Ya-Hsin Hsueh, and Shau-Yin Tseng*
- **SimMapReduce: A Simulator for Modeling MapReduce Framework**  
*Fei Teng, Lei Yu, and Frédéric Magoulès*
- **Computer-aided Intelligent Diagnostics of Dynamic Perfusion CT Maps**  
*Tomasz Hachaj and Marek R. Ogiela*
- **The Effects of Personal Sentiments and Contexts on the Acceptance of Music Recommender Systems**  
*Michael K.S. Park and Namme Moon*

**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-E: MUE 2011**

(Room: LILIUM)

(Chair: Marcelo S. Alencar)

- **Exploiting Multi- and Many-core Parallelism for Accelerating Image Compression**  
*Cheong Ghil Kim and Yong Soo Choi*
- **A 3-stage Evolutionary Model of Mobile Social Game Design in Japan**  
*Toshihiko Yamakami*
- **Semantics Extraction in Visual Domain Based on WordNet**  
*Ahmad Adel Abu-Shareha and Rajeswari Mandava*
- **Modified Sequential Multipliers for Type-k Gaussian Normal Bases**  
*Chang Han Kim, Nam Su Chang, and Young In Cho*
- **Data Fragmentation Scheme with Block ACK in Wireless Sensor Networks**  
*Yong-Tae Park, Pranesh Sthapit, Dong-Hoon Lee, Yeon-Sang Choi, and Jae-Young Pyun*

16:20 - 18:00 **Session 6-F: MCC 2011**

(Room: JASMINE)

(Chair: Kilhung Lee)

- **An Efficient Approach for Data Placement in Distributed Systems**  
*Hassan I. Abdalla*
- **Android Platform for English Tutoring**  
*Y. Jaeyeol, L. Jiyeon, K. Ieejoon, K. Seung Kwan, K. Younghee, and K. Ung-mo*



- **A Service Recommended Model Based on User Scenario Using Fusion Context-Awareness**  
*Svetlana Kim, Sumi Song, and YongIk Yoon*
- **From Access Management System (AMS) to a Ubiquitous Access Management System (UbAMS), over Federated Access Management System (FAMS)**  
*Sara Jeza Alotaibi, Mike Wald, and David Argles*

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

**June 30, 2011 (Thursday)**

**09:00 - 10:20**    [Session 7-F: MUE 2011](#)

**(Room: JASMINE)**

**(Chair: Deokgyu Lee)**

- **Modelling Multimedia Indexing Algorithms Description for Implicit and Explicit Indexation**  
*Dana Codreanu, Sebastien Laborie, and Florence Sedes*
- **A Study of Exploration of Heterogeneous Personal Data Collected from Mobile Devices and Web Services**  
*Teruhiko Teraoka*
- **Trusted Services for Risk Management in Work Environments**  
*Maria Grazia Fugini, George C. Hadjichristofi, and Claudia Raibulet*

**10:20 - 10:40**    **Coffee Break**

**10:40 - 12:00**    [Session 8-F: MUE 2011](#)

**(Room: JASMINE)**

**(Chair: Yangsun Lee)**

- **Multiple 3D Object Tracking using ROI and Double Filtering for Augmented Reality**  
*Jin-Hyung Park, Dong-Hwan Seo, Min-Seok Ku, In-Yong Jung, and Chang-Sung Jeong*
- **U-IT Based Greenhouse Environment Monitoring System**  
*Kyeong-og Kim, Jong-chan Kim, Kyeong-jin Ban, Eung-kon Kim, and Moon-suk Jang*
- **An Object Expression System using Depth-maps**  
*Kyeong-jin Ban, Jong-chan Kim, and Eung-kon Kim*
- **Improved Fuzzy Single Layer Supervised Learning Algorithm**  
*Jong-chan Kim, Kyeong-jin Ban, Eung-kon Kim, An-Suk Oh, and Yang-sun Lee*
- **An Object-based Virtual Network in Ubiquitous Computing Environment**  
*Sang Oh Park, Jin Sung Kim, and Sung Jo Kim*
- **An Enhanced Anti-collision Algorithm for EPC Gen2 RFID System**  
*Soo-Cheol Kim and Sung Kwon Kim*