

## PROGRAM SCHEDULE

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

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

| Start<br>End   | June 30, 2011 (Thursday)  |   |   |  |   |  |
|----------------|---|---|---|--|---|--|
| 08:30<br>09:00 | <b>Registration</b>   |   |   |  | <b>STAVE<br/>Keynote</b>  | <b>Registration</b>  |
| 09:00<br>10:20 | <b>Session 7-A</b><br>(FT-11)<br>(Chair: Se-Hak Chun)<br><br>Room:TULIP   | <b>Session 7-B</b><br>(ISCC-11)<br>(Chair: Hoojin Lee)<br><br>Room:GERANIUM   | <b>Session 7-C</b><br>(EAPIC-11)<br>(Chair:Jongsung Kim)<br><br>Room:Carnation I  | <b>Session 7-D</b><br>(IWCS-11)<br>(Chair:Jaek Cho)<br><br>Room:Carnation II       | <b>Session 7-E</b><br>(STAVE-11)<br>(Chair: Ian Sandy)<br><br>Room:LILIUM     | <b>Session 7-F</b><br>(MUE-11)<br>(Chair: Deokgyu Lee)<br><br>Room:JASMINE |
| 10:20<br>10:40 | <b>Coffee Break</b>   |   |   |  |   |  |
| 10:40<br>12:00 | <b>Session 8-A</b><br>(FT-11)<br>(Chair: Doo-Soon Park)<br><br>Room:TULIP   | <b>Session 8-B</b><br>(ISCC-11)<br>(Chair: Sang-Soo Yeo)<br><br>Room:GERANIUM | <b>Session 8-C</b><br>(EAPIC-11)<br>(Chair:Changhoon Lee)<br><br>Room:Carnation I | <b>Session 8-D</b><br>(EAPIC-11)<br>(Chair:Hangbae Chang)<br><br>Room:Carnation II | <b>Session 8-E</b><br>(STAVE-11)<br>(Chair: Siani Pearson)<br><br>Room:LILIUM | <b>Session 8-F</b><br>(MUE-11)<br>(Chair: Yangsun Lee)<br><br>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).<br>2. All speakers of each session should meet the session chair at its room 10 minutes before the session.<br>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.<br>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-C: STA 2011](#)

(Room: Carnation I)

(Chair: Muhammad Abulaish)

- **Embedding High Capacity Covert Channels in Short Message Service (SMS)**  
*M Zubair Rafique, Muddassar Farooq, Muhammad Khurram Khan, Khaled Alghatbar*
- **A Framework for Detecting Malformed SMS Attack**  
*M Zubair Rafique, Muddassar Farooq, Khaled Alghatbar, Muhammad Khurram Khan*
- **A Metadata Model for Data Centric Security**  
*Aziz, Shirley Crompton, Michael Wilson*
- **SecPAL4DSA: A Policy Language for Specifying Data Sharing Agreements**  
*Benjamin Aziz, Alvaro Arenas, Michael Wilson*

09:00 - 10:20 [Session 1-D: STA 2011](#)

(Room: Carnation II)

(Chair: Jaeik Cho)

- **Self-keying Identification Mechanism for Small Devices**  
*Krzysztof Barczyński, Przemysław Błażkiewicz, Marek Klonowski and Mirosław Kutylowski*
- **A Software Architecture for Introducing Trust in Java-based Clouds**  
*Siegfried Podesser, Ronald Toegl*
- **A Network Data Abstraction Method for Data Set Verification**  
*Jaeik Cho, Kyuwon Choi, Taeshik Shon, Jongsub Moon*
- **Efficient De-Fragmented Writeback for Journaling File System**  
*Seung-Ho Lim, Hyun Jin Choi, Jong Hyuk Park*

10:20 - 10:40 Coffee Break

**10:40 - 12:00**    [Session 2-C: STA 2011](#)

**(Room: Carnation I)**

**(Chair: Mohammed A. Moharrum)**

- **Using Counter Cache Coherence to Improve Memory Encryptions Performance in Multiprocessor Systems**  
*Zhang Yuanyuan, Gu Junzhong*
- **Dynamic Combinatorial Key Pre-distribution Scheme for Heterogeneous Sensor Networks**  
*Bidi Ying, Dimitrios Makrakis, Hussein T.Mouftah, Wenjun Lu*
- **Exclusion Based VANETs (EBV)**  
*Ahmad A. Al-Daraiseh, Mohammed A. Moharrum*
- **An Ontology Based Information Security Requirements Engineering Framework**  
*Azeddine Chikh, Muhammad Abulaish, Syed Irfan Nabi, Khaled Alghathbar*

**10:40 - 12:00**    [Session 2-D: STA 2011](#)

**(Room: Carnation II)**

**(Chair: Jaeik Cho)**

- **Embedding Edit Distance to Allow Private Keyword Search in Cloud Computing**  
*Julien Bringer and Hervé Chabanne*
- **Two Dimensional PalmPhasor Enhanced by Multi-orientation Score Level Fusion**  
*Lu Leng, Jiashu Zhang, Gao Chen, Muhammad Khurram Khan, Ping Bai*
- **Improved Steganographic Embedding Exploiting Modification Direction in Multimedia Communications**  
*Cheonshik Kima, Dongkyoo Shina, Dongil Shina and Xinpeng Zhangb*
- **Weak Keys of the Block Cipher SEED-192 for Related-Key Differential Attacks**  
*Jongsung Kim, Jong Hyuk Park, Young-Gon Kim*

**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- C: STA 2011**

**(Room: Carnation I)**

**(Chair: Michael Wilson)**

- **Simulating Malicious Users in a Software Reputation System**  
*Anton Borg, Martin Boldt, Bengt Carlsson*
- **The Method of Database Server Detection and Investigation in the Enterprise Environment**  
*Namheun Son, Keun-gi Lee, SangJun Jeon, Sangjin Lee*
- **Sensitive Privacy Data Acquisition in the iPhone for Digital Forensic Analysis**  
*Jinhyung Jung, Keunduk Byun, Sangjin Lee*
- **Efficient Secret Sharing Schemes**  
*Chunli Lv, Xiaoqi Jia, Jingqiang Lin, Jiwu Jing, Lijun Tian, and Mingli Sun*

16:20 - 18:00 [Session 3- D: STA 2011](#)

(Room: Carnation II)

(Chair: Muhammad Abulaish)

- **SIMOnt: A Security Information Management Ontology Framework**  
*Muhammad Abulaish, Syed Irfan Nabi, Khaled Alghathbar, Azeddine Chikh*
- **Using Bloom Filters for Mining Top-k Frequent Itemsets in Data Streams**  
*Younghee Kim, Kyungsoo Cho, Jaeyeol Yoon, Ieejoon Kim, Ungmo Kim*
- **Maximal Cliques Generating Algorithm for Spatial Co-location Pattern Mining**  
*Seung Kwan Kim, Younghee Kim, Ungmo Kim*
- **Adaptive Optimal Global Resource Scheduling for a Cloud-based Virtualized Resource Pool**  
*Lingli Deng, Qing Yu, and Jin Peng*

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-D: STA 2011](#)**

**(Room: Carnation II)**

**(Chair: Seung-Ho Lim)**

- **An RSN Tool : A Test Dataset Generator for Evaluating RFID Middleware**  
*Wooseok Ryu, Joonho Kwon and Bonghee Hong*
- **Design and Implementation of A Virtual Reader for Emulation of RFID Physical Reader**  
*Jiwan Lee, Jekwan Park, Wooseok Ryu, Bonghee Hong*
- **An Efficient Processing Scheme for Continuous Queries involving RFID and Sensor Data Stream**  
*Jeongwoo Park, Kwangjae Lee, Wooseok Ryu, Bonghee Hong, Joonho Kwon*
- **Smart warehouse modeling using re-recording methodology with sensor tag**  
*Gwangsoo Lee, Wooseok Ryu, Bonghee Hong, Joonho Kwon*
- **IMS Session Management Based on Usage Control**  
*Giorgos Karopoulos, Fabio Martinelli*

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

**10:40 - 12:00 [Session 5-D: IWCS 2011](#)**

**(Room: Carnation II)**

**(Chair:Giorgos Karopoulos)**

- **Analysis of the Similarities in Malicious DNS Domain Names**  
*Krzysztof Lasota, Adam Kozakiewicz*
- **Time Validity in Role-Based Trust Management Inference System**  
*Anna Felkner, Adam Kozakiewicz*
- **Vaudenay's Privacy Model in the Universal Composability Framework: A Case Study**  
*Hervé Chabanne, Céline Chevalier*
- **Integration retrieval of history data and sensing information using SGLN code in Extended RFID application**  
*Seungwoo Jeon, Gihong Kim, Bonghee Hong, Joonho Kwon*
- **Real-time Quantity Inspection Method for Moving Tags in RFID Middleware**  
*Goo Kim, Wooseok Ryu, Bonghee Hong, Joonho Kwon*

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- D: IWCS 2011**

(Room: Carnation II)

(Chair: Seung-Ho Lim)

- **Digital Trails Discovering of a GPS embedded Smart Phone – Take Nokia N78 Running Symbian S60 Ver 3.2 for Example**  
*Hai-Cheng Chu, Li-Wei Wu, Hsiang-Ming Yu, and Jong Hyuk Park*
- **Opinion Mining in MapReduce Framework**  
*Kyung Soo Cho, Ji Yeon Lim, Jae Yeol Yoon, Young Hee Kim, Seung Kwan Kim, Ung Mo Kim*
- **Towards an Open Framework for Mobile Digital Identity Management through Strong Authentication Methods**  
*Brahim EN-NASRY, Mohamed Dafir ECH-CHERIF EL KETTANI*

- **Mining Frequent Items in OLAP**  
*Ling Jin, Ji Yeon Lim, Iee Joon Kim, Kyung Soo Cho, Seung Kwan Kim, Ung Mo Kim*
- **Trust Building and Management for Online File Storage Service**  
*Huiying Duan*

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

**June 30, 2011 (Thursday)**

**08:20-08:30** STAVE Workshop Opening, Welcome Address  
**(Room: LILIUM)** Charalabos Skianis - General Chair

**08:30-09:00** STAVE Invited Speaker:  
**(Room: LILIUM)** "Trust in Digital Life"  
Arthur Leijtens (BICORE)

**09:00 - 10:20** [Session 7-D: IWCS 2011](#)

**(Room: Carnation II)**

**(Chair: Jaeik Cho)**

- **Deterministic Data Binding for Dynamic Service Compositions**  
*Eunjung Lee, Hyung-Ju Joo, Kyong-Jin Seo*
- **An Improved Active Learning in Unbalanced Data Classification**  
*Woon Jeung Park*
- **A Study on aircraft position calculation algorithm in compliance with the wind parameter**  
*Dong-Hwa Park, Hyo-Dal Park*
- **For Aviation Security using Surveillance System**  
*Deok Gyu Lee, Jong Wook Han*

**09:00 - 10:20** [Session 7-E: STAVE 2011](#)

**(Room: LILIUM)**

**(Chair: Ian Sandy)**

- **Policy Based Management for Security in Cloud Computing**  
*Adrian Waller, Ian Sandy, Eamonn Power, Efthimia Aivaloglou, Charalampos Skianis, Antonio Munoz, Antonio Mana*
- **Enhancing Accountability in the Cloud via Sticky Policies**  
*Siani Pearson, Marco Casassa Mont, Gina Kounga*
- **Towards Natural-Language Understanding and Automated Enforcement of Privacy Rules and Regulations in the Cloud: Survey and Bibliography**  
*Nick Papanikolaou, Siani Pearson, Marco Casassa Mont*
- **Enhancement of Critical Financial Infrastructure Protection Using Trust Management**  
*Hisain Elshaafi, Jimmy McGibney, Barry Mulcahy, Dmitri Botvich*
- **Dynamic Security Monitoring and Accounting for Virtualized Environments**  
*Antonio Muñoz, Rajesh Harjani, Antonio Maña, Rodrigo Díaz*

10:20 - 10:40 Coffee Break

10:40 - 12:00 [Session 8-E: STAVE 2011](#)

(Room:)

(Chair : Siani Pearson)

- **An Efficient Intrusion Detection Scheme for Wireless Sensor networks**  
*Chunming Rong, Skjalg Eggen, Hongbing Cheng*
- **Cryptography goes to the Cloud**  
*Isaac Agudo, David Nunez, Gabriele Giammatteo, Panagiotis Rizomiliotis, Costas Lambrinouidakis*
- **Management of Integrity-Enforced Virtual Applications**  
*Michael Gissing, Ronald Toegl, Martin Pirker*
- **Secure Workstation for Special Applications**  
*Adam Kozakiewicz, Anna Felkner, Janusz Furtak, Zbigniew Zieliński, Marek Brudka, Marek Małowidzki*
- **Identity Management Challenges for Intercloud Applications**  
*David Nunez, Isaac Agudo, Prokopios Drogkaris, Stefanos Gritzalis*