

PROGRAM SCHEDULE

August 11, 2010 (Wednesday)				
08:00-08:30	Registration			
08:30-10:30	Session 1-A (HumanCom2010) Chair: Richard Overill (Room: VIP Lounge)	Session 1-B (ITCS2010) Chair: Heuseok Lim (Room: ALCATRAZ Ballroom)	Session 1-C (MUE2010) Chair: Dominik Renzel (Room: VALHALLA Hall Roofdeck Lounge)	Session 1-D (EMC2010) Chair: Young-Sik Jeong (Room: Green Room)
10:30-10:50	Coffee Break			
10:50-11:20	Opening Remark (HumanCom 2010, EMC 2010, MUE 2010, ITCS 2010) Invited Talk (Chair: Hangbae Chang, Deajin University, Korea) The IEEE Philippines Section and Its Recent Activities by Elmer P. Dadios , Chairman - IEEE Philippines Section, Philippines (ALCATRAZ Ballroom)			
11:20-12:20	Keynote Speech 1 (HumanCom 2010) (Chair: Stephen S. Yau, Arizona State University, USA) The Grand Challenges of Cloud Computing by Dr. Jeffrey Voas , National Institute of Standards and Technology, USA (ALCATRAZ Ballroom)			
12:20-13:40	Lunch			
13:40-14:40	Keynote Speech 2 (ITCS 2010) (Chair: Jongsung Kim, Kyungnam Universtiy, Korea) Recent Trends and Challenges in the Security of e-Systems and Computer Networks by Prof. Mohammad S. Obaidat , Monmouth University, USA (ALCATRAZ Ballroom)			
14:40-14:50	Break			
14:50-15:50	Keynote Speech 3 (EMC 2010) (Chair: Laurence T. Yang , St Francis Xavier University, Canada) Ubiquitous IMS Emergency Services over Cooperative Heterogeneous Networks by Prof. Han-Chieh Chao , National Ilan University, I-Lan, Taiwan, ROC (ALCATRAZ Ballroom)			
15:50-16:10	Coffee Break			
16:10-17:10	Keynote Speech 4 (ITCS 2010) (Chair: Ching-Hsien (Robert) Hsu, Chung Hua University, Taiwan) From Grid Computing to Cloud Computing: Experiences on Virtualization Technology by Prof. Hai Jin , Huazhong University of Science and Technology (HUST), China (ALCATRAZ Ballroom)			
17:10-17:20	Break			

17:20-18:50	<p>Session 2-A (HumanCom2010) Chair: Martin Wirz</p> <p>(Room: VIP Lounge)</p>	<p>Session 2-B (ITCS2010) Chair: Doo-Soon Park</p> <p>(Room: ALCATRAZ Ballroom)</p>	<p>Session 2-C (MUE2010) Chair: Deok Gyu Lee</p> <p>(Room: VALHALLA Hall Roofdeck Lounge)</p>	<p>Session 2-D (CBSIT2010) (WNGS2010) (AEITA 2010) Chair: Min Hong (Room: Green Room)</p>
19:00-21:00	<p>Conference Reception (Peninsula Beach)</p>			

August 12, 2010 (Thursday)				
09:00-11:00	Session 3-A (HumanCom2010) Chair: Hangbae Chang (Room: VIP Lounge)	Session 3-B (ITCS2010) Chair: Dariusz Król (Room: ALCATRAZ Ballroom)	Session 3-C (MUE2010) Chair: JuHyun Song (Room: VALHALLA Hall Roofdeck Lounge)	Session 3-D (EMC2010) Chair: Olivier Deforges (Room: Green Room)
11:00-11:20	Coffee Break			
11:20-12:20	Keynote Speech 5 (HumanCom 2010) (Chair: Hai Jin, Huazhong University of Science and Technology (HUST), China) Social Games and Virtual Worlds as Macroscopes of Human Behavior by Prof. Jaideep Srivastava , University of Minnesota, USA (ALCATRAZ Ballroom)			
12:20-13:40	Lunch			
13:40-14:40	Keynote Speech 6 (MUE 2010) (Chair: Sang-Soo Yeo, Mokwon University, Korea) The Magic of Hypercube: From Parallel Computing to Multimedia by Prof. Borko Furht , Florida Atlantic University, USA (ALCATRAZ Ballroom)			
14:40-14:50	Break			
14:50-15:50	Keynote Speech 7 (EMC 2010) (Chair: Hangbae Chang, Deajin University, Korea) A Testbed for MANETs: Implementation and Learned Lessons by Prof. Leonard Barolli , Department of Information and Communication Engineering, Faculty of Information Engineering, Fukuoka Institute of Technology (FIT), Japan (ALCATRAZ Ballroom)			
15:50-16:10	Break			
16:10-17:10	Keynote Speech 8 (ITCS 2010) (Chair: Changhoon Lee, Hanshin University, Korea) Ubiquitous/Pervasive Intelligence: Visions and Challenges by Prof. Laurence T. Yang , St. Francis Xavier University, Canada (ALCATRAZ Ballroom)			
17:10-17:20	Coffee Break			
17:20-18:50	Session 4-A (HumanCom2010) Chair: Stephen S. Yau Panel Session (Room: VIP Lounge)	Session 4-B (ITCS2010) Chair: Joon Young Kim (Room: ALCATRAZ Ballroom)	Session 4-C (MUE2010) Chair: Yang Sun Lee (Room: VALHALLA Hall Roofdeck Lounge)	Session 4-D (WIMUCS & MCC) Chair: Nils Hoeller (Room: Green Room)
19:00-21:00	Conference Banquet (Galapagos beach)			

August 13, 2010 (Friday)				
09:00-10:30	Session 5-A (HumanCom2010) Chair: Shamanth Kumar (Room: VIP Lounge)	Session 5-B (ITCS2010) Chair: Kiwon Yeom (Room: ALCATRAZ Ballroom)	Session 5-C (MUE2010) Chair: Nam-Mee Moon (Room: VALHALLA Hall Roofdeck Lounge)	Session 5-D (EMC2010) Chair: William W.-Y. Liang (Room: Green Room)
10:30-10:50	Coffee Break			
10:50-12:20	Session 6-A (HumanCom2010) Chair: Jongsung Kim (Room: VIP Lounge)	Session 6-B (ITCS2010) Chair: Deok Gyu Lee (Room: ALCATRAZ Ballroom)		Session 6-D (HumanCom2010) Chair: Changhoon Lee (Room: Green Room)
12:20-13:40	Lunch			
13:40-14:40	Session 7-A (HumanCom2010) IWEC 13:40-18:40 (Room: VIP Lounge)	Session 7-B (ITCS2010) Chair: Changhoon Lee (Room: ALCATRAZ Ballroom)		

Note :

1. A paper presentation should be made by one of authors of the paper, during a 15 minute time slot (12 minutes for the presentation itself and 3 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 9.3 and Microsoft Office 2007 for paper presentations. Please prepare your presentation files for being read by those applications.
4. IEEE reserves the right to exclude a paper from distribution after the conference (e.g., removal from IEEE proceedings) if you don't complete the registration or the paper is not presented at the conference.
5. If you have any query, please feel free to contact the MUE 2010 Secretary, Seungmin Rho (pc.seungminrho@gmail.com).



IEEE



IEEE
Changwon Section



IEEE Philippines Section
Established 1975



DETAILED SCHEDULE FOR MUE 2010

August 11, 2010 (Wednesday)

08:00 - 08:30 Registration

08:30 - 10:30 Session 1-C: Multimedia Applications and Other IT Issues– MUE 2010
(Room: VALHALLA Hall Roofdeck Lounge)
(Chair: Dominik Renzel)

- **Interruption Management for Mobile Devices**
Sina Zulkernain, Praveen Madiraju, Marquette Karl Stamm, Sheikh Iqbal Ahamed
- **Playback Control for Remote Desktop Replay**
Chun-Yi Tsai, Tzao-Lin Lee
- **Lightweight Access Control for Resource Limited Clients**
Dongchan An, Seog Park
- **Polish n-grams and their correction process**
Bartosz Ziolkowski, Dawid Skurzok, Malgorzata Michalska
- **The Strategic Plan of Smart Carbon Metering System(SCMS) for Data Centers**
Jieun Jung, Byunghun Song, Daekyo Jung, Hyung Su Lee
- **Cultural Differences in Display Design for Mobile Web-browsing Tasks**
Sungwook Jung, Youngjae Lim, Eui S. Jung and Jean Jung
- **A Backup Path Finding Scheme using One-hop Search in Ad Hoc Networks**
Kilhung Lee

10:30 - 10:50 Coffee Break

10:50 - 11:20 Opening Remark and Invited Talk
(Room: ALCATRAZ Ballroom)
(Chair: Prof. Hangbae Chang, Daejin University, Korea)

The IEEE Philippines Section and Its Recent Activities

Elmer P. Dadios, Chairman - IEEE Philippines Section, Philippines

11:20 - 12:20 Keynote Speech 1: HumanCom 2010
(Room: ALCATRAZ Ballroom)
(Chair: Prof. Stephen S. Yau, Arizona State University, USA)

The Grand Challenges of Cloud Computing

Dr. Jeffrey Voas, National Institute of Standards and Technology, USA

12:20 - 13:40 Lunch



13:40 - 14:40 **Keynote Speech 2: ITCS 2010**
(Room: ALCATRAZ Ballroom)
(Chair: Jongsung Kim, Kyungnam Universtiy, Korea)

Recent Trends and Challenges in the Security of e-Systems and Computer Networks

Prof. Mohammad S. Obaidat, Monmouth University, USA

14:40 - 14:50 **Break**

14:50 - 15:50 **Keynote Speech 3: EMC 2010**
(Room: ALCATRAZ Ballroom)
(Chair: Laurence T. Yang, St Francis Xavier University, Canada)

Ubiquitous IMS Emergency Services over Cooperative Heterogeneous Networks

Prof. Han-Chieh Chao, National Ilan University, I-Lan, Taiwan, ROC

15:50 - 16:10 **Coffee Break**

16:10 - 17:10 **Keynote Speech 4: ITCS 2010**
(Room: ALCATRAZ Ballroom)
(Chair: Ching-Hsien (Robert) Hsu, Chung Hua University, Taiwan)

From Grid Computing to Cloud Computing: Experiences on Virtualization Technology

Prof. Hai Jin, Huazhong University of Science and Technology (HUST), China

17:10 - 17:20 **Coffee Break**

17:20 - 18:50 **Session 2-C: Multimedia Modeling and Processing – MUE 2010**
(Room: VALHALLA Hall Roofdeck Lounge)
(Chair: Deok Gyu Lee)

- **Well-balanced Usability & Annotation Complexity in Interactive Video Semantization**
Yiwei Cao, Dominik Renzel, Matthias Jarke, Ralf Klamma, Michael Lottko, Georgios Toubekis, Michael Jansen
- **A Linear Prediction Based Fractional-Pixel Motion Estimation Algorithm**
Ka-Ho Ng, Lai-Man Po, Shen-Yuan Li, Ka-Man Wong, Li-Ping Wang
- **Enhanced SAITD Cost Function for H.264/AVC Intra 4x4 Mode Decision**
Liping Wang, Lai-Man Po, Shenyuan Li, Ka-Ho Ng
- **Blur Identification Based on Maxima Locations for Color Image Restoration**
Rachel Mabanag Chong and Toshihisa Tanaka
- **A Novel Approach for Efficient and Effective Mining of Mobile User Behaviors**
Kun-Che Lu, Chen-Wei Hsu, Don-Lin Yang
- **Semantic Detection of Adult Image Using Semantic Features**
Jae-Hyun Jeon, Se Min Kim, Jae-Young Choi, Hyun Suk Min, Yong-Man Ro



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- **Format-independent Media Delivery, applied to RTP, MP4, and Ogg**
Davy Van Deursen, Wim Van Lancker, Pedro Debevere, Rik Van de Walle

19:00 - 21:00 Conference Reception (**Peninsula Beach**)

August 12, 2010 (Thursday)

09:00 - 11:00 **Session 3-C: Ubiquitous Services and Applications I – MUE 2010** (Room: VALHALLA Hall Roofdeck Lounge)

(Chair: JuHyun Song)

- **A Design-phase Quality Model of U-service Ontology for Evaluating Dynamic Service Composition**
Meeyeon Lee, Jung-Won Lee, Kyung-Ah Kim, Seung Soo Park
- **Stream-based XML Template Compression for Wireless Sensor Network Data Management**
Nils Hoeller, Christoph Reinke, Jana Neumann, Sven Groppe, Martin Lipphardt, Bjoern Schuett, Volker Linnemann
- **An Efficient Localization Scheme with Ring Overlapping by Utilizing Mobile Anchors in Wireless Sensor Networks**
Yeong-Sheng Chen, Yun-Ju Ting, Chih-Heng Ke, Naveen Chilamkurti, Jong Hyuk Park
- **Customer-Oriented Design of Mobile Phones for Optimal Controllability**
Taeil Kim, Eui S. Jung
- **HILSIM Design Using Wireless Communication**
Gigun Lee, Byung Ha Kim, Taesam Kang, Hyung Seok Han
- **Power Management Architecture for Wireless Sensor Networks Operating System**
Sukwon Choi, Byunghun Song, Kang Min Soo
- **Adaptive Scheduling based on Quality of Service in Heterogeneous Environments**
Ching-Hsien Hsu, Tai-Lung Chen

11:00 - 11:20 **Coffee Break**

11:20 - 12:20 **Keynote Speech 5: HumanCom 2010**

(Room: ALCATRAZ Ballroom)

(Chair: Hai Jin, Huazhong University of Science and Technology (HUST), China)

Social Games and Virtual Worlds as Macroscopes of Human Behavior

Prof. Jaideep Srivastava, University of Minnesota, USA

12:20 - 13:40 **Lunch**

13:40 - 14:40 **Keynote Speech 6: MUE 2010**

(Room: ALCATRAZ Ballroom)

(Chair: Sang-Soo Yeo, Mokwon University, Korea)

The Magic of Hypercube: From Parallel Computing to Multimedia

Prof. Borko Furht, Florida Atlantic University, USA

14:40 - 14:50 **Break**



14:50 - 15:50 **Keynote Speech 7: EMC 2010**
(Room: ALCATRAZ Ballroom)
(Chair: Hangbae Chang, Deajin University, Korea)

A Testbed for MANETs: Implementation and Learned Lessons

Prof. Leonard Barolli, Department of Information and Communication Engineering, Faculty of Information Engineering, Fukuoka Institute of Technology (FIT), Japan

15:50 - 16:10 **Coffee Break**

16:10 - 17:10 **Keynote Speech 8: ITCS 2010**
(Room: ALCATRAZ Ballroom)
(Chair: Changhoon Lee, Hanshin University, Korea)

Ubiquitous/Pervasive Intelligence: Visions and Challenge

Prof. Laurence T. Yang, St. Francis Xavier University, Canada

17:10 - 17:20 **Coffee Break**

17:20 - 18:50 **Session 4-C:**
Ubiquitous Computing and Beyond – MUE 2010
Multimedia and Ubiquitous Security – MUE 2010
(Room: VALHALLA Hall Roofdeck Lounge)
(Chair: Yang Sun Lee)

- **Lessons Learned from the Deployment and Maintenance of UBI-hotspots**
Tommi Heikkinen, Tomas Lindén, Timo Ojala, Hannu Kukka, Marko Jurmu, Simo Hosio
- **Real-Time Data Stream Processing for Ubiquitous Home Network Systems**
Young-Sik Noh, Dae-Oh Han, Yung-Cheol Byun
- **Dynamic Community Composing Model in Ubiquitous Computing Environment**
Keonsoo Lee, Seungmin Rho, Minkoo Kim
- **The Development of an Ubiquitous Scheduler for Steel-Making Continuous Casting Production with Consideration of Machine Breakdowns**
Dongjin Ko, Juhyun Song, Chulung Lee
- **Watermark embedding by geometric warping after novel image moment-based normalization**
Mathias Schlauweg, Dima Pröfrock, Erika Müller
- **Reversible Watermarking Based on Hierarchical Rectangle Block Division**
Yih-Chuan Lin, Tzung-Shian Li
- **A Restorative Image Authentication Scheme with Discrimination of Tamperers on Image or Watermark**
Ke Ke, Zhao Tao, Li Ou
- **A Privacy-Enhanced Contents Sharing Mechanism with Secure Removable Media (SRM)**
Hyeran Mun, Sinhyo Kim, Jung Yeon Hwang, Byung Ho Chung

17:20 - 18:50 **Session 4-D:**
MUE Workshop – WIMUCS & MCC 2010

(Room: Green Room)

(Chair: Nils Hoeller)

- **Evaluation of HTTP QoS in a UMTS Network**
Ira Weissberger, Ivica Kostanic, Carlos E. Otero
- **Cycle-based Limitation for Cryptographic Keys to be used in Multimedia Subscription Services**
Markus Dunte
- **Efficient Transmission Infrastructure for Scalable Coded MPEG-4/H.264 Video**
Markus Dunte
- **The Original Similarity Extraction Mechanism for Digital Content Copyright Protection in UCC Service Environment**
Eun-Gyeom Jang, Byoungsoo Koh
- **A New Grid Market Architecture Based on Contract-management and Third-party Depository Service**
Yinghua Sun, Zhehui Wu, Yuebin Xu, Zhenkuan Pan

19:00 - 21:00 **Banquet (Galapagos beach)**

August 13, 2010 (Friday)

09:00 - 10:30 **Session 5-C:**
Ubiquitous Services and Applications II – MUE 2010
Multimedia Services and Applications – MUE 2010
(Room: VALHALLA Hall Roofdeck Lounge)
(Chair: Nam-Mee Moon)

- **Enhanced Handover Process for Proxy Mobile IPv6**
Jong-Hyook Lee, Yeong-Deok Kim, DongWoo Lee
- **Dynamic Load Balancing and Network Monitoring in iATA Protocol for Mobile Appliances**
Ivy Ong, Hyotaek Lim
- **An Energy-Efficient Self-Deployment Scheme in Intelligent Mobile Sensor Networks**
Chan-Myung Kim, Yong-hwan Kim, Youn-Hee Han, Heon-Jong Lee, Young-Sik Jeong
- **An Accuracy-Control Method for Online Trajectory Extraction in Wireless Sensor Networks**
Chao-Chun Chen, Da-Chung Mao
- **Mobile Museum Guidance using Relational Multi-Image Classification**
Erich Bruns, Oliver Bimber
- **Processing K-Best Site Query in Spatial Databases**
Yuan-Ko Huang, Lien-Fa Lin
- **Preference Element Selectable Interactive Recommender System by Employing Collaborative Filtering**
Jung-Min Oh, Ju-Hong Song, Nam-Mee Moon
- **Recommender System Using the Movie Genre Similarity in Mobile Service**
Kyung-Rog Kim, Ju-Ho Lee, Jae-Hee Byeon, Nam-Mee Moon

10:30 - 10:50 **Coffee Break**

10:50 - 12:20 **No Session Scheduled : EMC 2010**

12:20 - 13:40 **Lunch**



Conference Venue



NAMES OF MOST BUILDINGS & FACILITIES FOLLOW AN ALPHABETICAL ORDER FROM A TO Z (COUNTER-CLOCKWISE).

FOOD	
R1	FIJI TOPS IN TEMPURA! LUNCH AND DINNER.
R2	KILIMANJARO KAFÉ EASY DINING BY THE POOL. OPEN 24 HOURS.
R3	PALERMO FRIENDLY ITALIAN CUISINE. DINNER.
R4	SAVANNAH GRILL BEST BURGER ON EARTH. DAILY 10 AM TO 8 PM.

SPA & SALON	
S1	MOGAMBO SPRINGS SPOIL YOURSELF. YOU DESERVE IT. HEALING MASSAGES AND SOOTHING TREATMENTS.
S2	BEAUTY SALON HAIRCUT, HAIR TREATMENTS, & NAILCARE.

SHOPPING & SPECIALTY BOOTHS			
M1	M2	M3	M4
TABAQUERA	JAMAICA MARKET	THE GALLERY	OPEN AIR SHOPS

SPORTS & RECREATION	
	AQUA SPORTS ISLAND ADVENTURE TOURS, SUNSET CRUISE, BANCA RIDE, SCUBA DIVING, SNORKELING, PARASAILING, JETSKIS, HOBIE CAT, SPEEDBOAT, KAYAKS, & TOW RIDES.
	SAVANNAH PARK FIRING RANGE, SEGWAY, TENNIS COURTS, WALL CLIMBING, PITCH & PUTT, ARCHERY, KARAOKE, CHILDREN'S CENTER, CHILDREN'S PLAYGROUND.
	GYM & GAMEROOM TREADMILL, WEIGHTS, RANGE OF MOTION MACHINE, INVERSION TABLE, CROSS-TRAINER, STATIONARY BICYCLE, MULTI-GYM STATION, TABLETOP GAMES, BILLIARDS, PS2, NINTENDO WII, DARTS, INTERNET, AND BICYCLES.



Hotel Information

- Conference Venue and the Official Hotel of MUE 2010

- Plantationbay Resort: <http://plantationbay.com/>

- Plantationbay Resort is now offering special discounts for the conference delegates.

Plantationbay resort has decided to provide the following special room discount program for the conference delegates, and this discount program will be provided only to the conference registrants.

LAGOON SIDE ROOM - Typical Rate \$190++/night

Preferred by couples and smaller families who want to be close to the lagoon.

Conference Rate **\$150/night** (service charge and tax included)

LAGOON VIEW ROOM - Typical Rate \$170++/night

Exactly the same room and amenities as a Lagoon Side room, with a better view in fact, but just a little farther from the lagoon.

Conference Rate **\$150/night** (service charge and tax included)

POOLSIDE ROOM - Typical Rate \$150++/night

The #1 choice of smart shoppers - spacious and comfortable.

Conference Rate **\$150/night** (service charge and tax included)

- Booking Order Sheet:

- Room Booking Order Sheet: [\[Download\]](#)

- Travel Package Program for Participants departing from Incheon, Korea

- *This includes round-trip air tickets (Incheon-Cebu), 3 nights room reservation, and simple guidance service. Booking Order Sheet: [Download ([PDF](#), [HWP](#))]*