

PROGRAM SCHEDULE

August 11, 2010 (Wednesday)				
: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			



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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>			



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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) IWEK 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 XP laptops running the Adobe Reader and Microsoft Office 2003 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 HumanCom 2010 Program Chair, Jongsung Kim (jongsung.k@gmail.com).



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DETAILED SCHEDULE FOR HUMANCOM 2010

August 11, 2010 (Wednesday)

08:00 - 08:30 Registration

08:30 - 10:30 Session 1-A: Computer-assisted Learning, Cognition, Gaming and Digital Forensics – HumanCom 2010

(Room: VIP Lounge)

(Chair: Richard Overill, King's College London, UK)

- **KineSpell2: Acceptability Test of Wii Remote as a Controller of an Educational Game**
Rose Ann Sale, Manica Dimaiwat, Ma. Rowena Solamo, Rommel Feria
- **Trading Card Game Exploiting RFID and 3D Graphic**
Young Woong Ko, Won Vien Park, Jae Hyuck Jang, Sung Woon Kang, Chang Geun Song, Sun Jung Kim, Jin Kim
- **Forensic Artifacts Left By Virtual Disk Encryption Tools**
Sungsu Lim, Jungheum Park, Kyung-soo Lim, Changhoon Lee, Sangjin Lee
- **A Study on a Carving Method for Deleted NTFS Compressed Files**
Byeongyeong Yoo, Jungheum Park, Jewan Bang, Sangjin Lee
- **Integrated E-mail Analysis Tool Design for Digital Criminal Investigation**
Chorong Jeong, Keun-gi Lee, Sangjin Lee
- **Notarization and Archive System of Web Postings for Litigation**
Ahreum Kim, Yeog Kim, Sangjin Lee
- **Sensitivity Analysis of a Bayesian Network for Reasoning about Digital Forensic Evidence**
Richard Overill, Jantje Silomon, Michael Kwan, Kam-Pui Chow, Frank Law, Pierre Lai
- **Mining Friendship from Cell-Phone Switch Data**
Seyed Hamid Mirisae, Saman Noorzadeh, Ashkan Sami, Reza Sameni

10:30 - 10:50 Coffee Break

10:50 - 11:20 Opening Remark and Invited Talk

(Room: ALCATRAZ Ballroom)

(Chair: 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: Stephen S. Yau, Arizona State University, USA)

The Grand Challenges of Cloud Computing

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



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12:20 - 13:40 Lunch

13:40 - 14:40 **Keynote Speech 2: ITCS 2010**
(Room: ALCATRAZ Ballroom)
(Chair: Jongsung Kim, Kyungnam University, 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-A: Human-computer Interaction, User-centric Design, Information Visualization and Visual Analytics – HumanCom 2010**
(Room: VIP Lounge)
(Chair: Martin Wirz, ETH Zurich, Switzerland)

- **Evaluation of a Pointing Interface for a Large Screen Based on Regression Model with Image Features**
Koichi Shintani, Tomohiro Mashita, Kiyoshi Kiyokawa, Haruo Takemura
- **User acceptance study of a mobile system for assistance during emergency situations at large-scale events**
Martin Wirz, Daniel Roggen, Gerhard Troester
- **Virtual Piano Design via Single-view Video based on Multifinger Actions Recognition**
Chia-Hung Yeh, Wen-Yu Tseng, Jia-Chi Bai, Ruey-Nan Yeh, Sun-Chen Wang, Po-Yi Sung

- **SyncStream: Synchronized Media Streaming System in a Peer-to-Peer Environment**
Chih Daeil Seo, Suhyun Kim, Gyuwon Song
- **Interactive panorama video viewer with head tracking algorithms**
Yu-Jin Hong, Jae-In Hwang, Sun-Bum Youn, Sang Chul Ahn, Hyung-Gon Kim, Heedong Ko
- **Patterns and Outlier Analysis of Traffic Flow Using Data Signatures via iDIRBrG Method and Vector Fusion Visualization**
Jasmine Malinao, Richelle Ann Juayong, Jona Becerral, Karmina Rosette Cabreros, Ken Marvi Remaneses, Jason Khaw, Danny Wuysang, Francis James Corpuz, Nestine Hope S. HERNANDEZ, Jan Michael C. YAP, Henry N. ADORNA

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

August 12, 2010 (Thursday)

09:00 - 11:00 Session 3-A: Semantic Systems, Social Computing and Social Intelligence – HumanCom 2010 (Room: VIP Lounge)

(Chair: Hangbae Chang, Deajin University, Korea)

- **An Approach for Web Search User Interface based on the Cognitive Synonyms Concept**
Evgeny Pyshkin, Andrey Kuznetsov
- **Declaring Local Contexts of Words with Extensible Dependency Grammar**
Maxim Mozgovoy
- **Search Engine Query Expansion using Japanese WordNet**
Ai Yokoyama, Vitaly Klyuev
- **Towards Building a Social Computing Tool for Social Scientists**
Ai Yokoyama, Vitaly Klyuev
- **A User-Centric Approach for Social Data Integration and Recommendation**
Yuan Wang, Jie Zhang, Julita Vassileva
- **Harnessing User Contexts to Enable Flowable Services Model**
Yishui Zhu, Roman Y. Shtykh, Qun Jin
- **A User-Centric Approach to Assessing Confidentiality and Integrity of Service-Based Workflows**
Stephen Yau, Jing Huang
- **Sequencing Strategy with Learning Portfolio Analysis for Personalized English Reading**
Ting-Ting Wu, Tien-Wen Sung, Yueh-Min Huang, Han-Chieh Chao, Jong Hyuk Park, Chu-Sing Yang

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-A: Panel Session - HumanCom2010**
(Room: VIP Lounge)
(Chair: Stephen S. Yau, Arizona State University, USA)

Session Title: Advances and Future Directions of Human Computing

Panelists: Hai Jin, Huazhong University of Science and Technology, China
 Qun Jin, Waseda University, Japan
 Jaideep Srivastava, University of Minnesota, USA
 Jeffrey Voas, National Institute of Standards and Technology, USA

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



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August 13, 2010 (Friday)

09:00 - 10:30 [Session 5-A: CIA - HumanCom2010](#)

(Room: VIP Lounge)

(Chair: Shamanth Kumar, Arizona State University, USA)

- **A Simple Visual Servoing and Navigation Algorithm for an Omnidirectional Robot**
Afroza Begum, Minkyung Lee, Young J. Kim
- **Cartooning using Reference Images**
Myoung-hun Han, Kyung-hyun Yoon
- **A Study on Multi-Touch Interface for Game**
Yong-Chul Kwon, Won-Hyung Lee
- **A Study about Implement of Digital Etching Style Interactive Art**
Ok-Hue Cho, Kil-Sang Yoo, Jung-Yoon Kim, Won-Hyung Lee
- **Border Security: Supplementing Human Intelligence in a Sensor Network Using Sequential Pattern Mining**
Anirudh Kondaveeti, George Runger, Huan Liu, Jeremy Rowe
- **Study on Internet Game (FPS) Interface from a View of User's Contemplation**
Changsun Koh, Jin-wan Park

10:30 - 10:50 Coffee Break

10:50 - 12:20 [Session 6-A: Ubiquitous Computing, Mobile Systems, Human-centered Evaluation, Privacy, Security and Trust Management – HumanCom 2010](#)

(Room: VIP Lounge)

(Chair: Jongsung Kim, Kyungnam University, Korea)

- **chitSMS: Community Health Information Tracking System Using Short Message Service**
Reynaldo Manguni, Mel Leandro Navarro, Kathleen Rosario, Cedric Angelo Festin
- **An Intelligent Agent-Based Routing Scheme supporting Multiple Mobile Sinks in WSNs**
Jae-Wan Kim, Doo-Seop Eom
- **Authentication Protocol using Authorization Ticket in Mobile Network Service Environment**
Jong Sik Moon, Sun Ho Lee, Im-Yeong Lee, Sang-Gu Byeon
- **The TALA Empathic Space: Integrating Affect and Activity Recognition into a Smart Space**
Rafael Cabredo, Jocelynn Cu, Gregory Cu, Paul Salvador Inventado, Rhia Trogo, Roberto Legaspi
- **A Multi-Application Controller for a Tiled Display Wall for Wide-area Distributed Computing**
Yuki Fujiwara, Susumu Date, Kohei Ichikawa, Haruo Takemura
- **Design of a Social Intelligent Learner for e-Learning Environments**
Dumitru Dan Burdescu, Marian Cristian Mihaescu, Marian Costel Ionascu, Bogdan Logofatu

10:50 - 12:20 [Session 6-D: HumanCom 2010](#)

(Room: Green Room)

(Chair: Changhoon Lee, Hanshin University, Korea)



- **PC Based Drawing Simulation Using Wiimote**
EunByeol OH, SeungTeak Ryoo
- **Real-time Vehicle License Plate Recognition on Road Images from Various Cameras**
Jae-Khun Chang
- **A Proposed Authentication Protocol for Mobile Users of WiMAX Networks**
Naveen Chilamkurti, Sherali Zeadally, Jawad Al-Zaabi, Jongsung Kim

- **Tiny Frontal Face Detection for Robots**
Kim DoHyung, Yun Woo-han, Lee Jaeyeon, Deok Gyu Lee
- **Agent Based Object Recognition System forAutonomous Surveillance in Dynamic Environments**
Mi Young Nam, Phill Kyu Rhe, Deok Gyu Lee

12:20 - 13:40 Lunch

13:40 - 18:40 HumanCom 2010 - IWEC
(Room: VIP Lounge)

13:40 – 14:40 Invited Talk 1

Social interaction": What does it mean and how can we fake it?

Prof. Dirk Heylen, Human Media Interaction, University of Twente, The Netherlands

14:40 – 14:50 Break

14:50 – 15:50 Invited Talk 2

Human-Computer Interactions from a Psychological Perspective

Prof. Madelene Sta. Maria, Department of Psychology, De La Salle University, Manila, Philippines

15:50 – 16:10 Break

16:10 – 18:10 Paper presentations

- **Discovering Emotions in Filipino Laughter Using Audio Features: A Comparative Study of the Algorithms**
Miguel Miranda, Julie Ann Alonzo, Janelle Campita, Stephanie Lucila, Merlin Suarez
- **Multimodal Emotion Recognition Using a Spontaneous Filipino Emotion Database**
Jocelynn Cu, Ivan Vener Espinosa, Paul Patrick Go, Charles Martin Mendez
- **Automated Posture Segmentation in Continuous Finger Spelling Recognition**
Nhat Thanh Nguyen, The Duy Bui
- **Centralized Data Acquisition Unit for the Empathic Space**
Gregory Cu, Rey Angelo Magdaong, Darell Bennett Manalo, Paulo Oblepias

18:10 – 18:40 Panel discussion

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 MESSAGES 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 \(PDF, HWP\)\]](#)



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