

# CONFERENCE SCHEDULE

## 2009 International Conference on Information and Multimedia Technology (ICIMT 2009)

in Conjunction with  
2009 International Conference on Mobile, Wireless and Optical Communication (MWOC 2009)  
2009 International Conference on Semi-Conductor Technology (ICSCT 2009)

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## Keynote Speaker I



IEEE Fellow and IET Fellow, Professor Chin-Chen Chang, Feng Chia University

Professor C.C. Chang was born in Taichung, Taiwan on Nov. 12th, 1954. He obtained his Ph.D. degree in computer engineering from National Chiao Tung University. He's first degree is Bachelor of Science in Applied Mathematics and master degree is Master of Science in computer and decision sciences. Both were awarded in National Tsing Hua University. Dr. Chang served in National Chung Cheng University from 1989 to 2005. His current title is Chair Professor in Department of Information Engineering and Computer Science, Feng Chia University, from Feb. 2005.

Prior to joining Feng Chia University, Professor Chang was an associate professor in Chiao Tung University, professor in National Chung Hsing University, chair professor in National Chung Cheng University. He had also been Visiting Researcher and Visiting Scientist to Tokyo University and Kyoto University, Japan. During his service in Chung Cheng, Professor Chang served as Chairman of the Institute of Computer Science and Information Engineering, Dean of College of Engineering, Provost and then Acting President of Chung Cheng University and Director of Advisory Office in Ministry of Education, Taiwan.

Professor Chang's specialties include, but not limited to, data engineering, database systems, computer cryptography and information security. A researcher of acclaimed and distinguished services and contributions to his country and advancing human knowledge in the field of information science, Professor Chang has won many research awards and honorary positions by and in prestigious organizations both nationally and internationally. He is currently a Fellow of IEEE and a Fellow of IEE, UK. And since his early years of career development, he consecutively won Outstanding Youth Award of the R. O. C., Outstanding Talent in Information Sciences of the R. O. C., AceR Dragon Award of the Ten Most Outstanding Talents, Outstanding Scholar Award of the R. O. C., Outstanding Engineering Professor Award of the R. O. C., Chung-Shan Academic Publication Awards, Distinguished Research Awards of National Science Council of the R. O. C., Outstanding Scholarly Contribution Award of the International Institute for Advanced Studies in Systems Research and Cybernetics, Top Fifteen Scholars in Systems and Software Engineering of the Journal of Systems and Software, and so on. On numerous occasions, he was invited to serve as Visiting Professor, Chair Professor, Honorary Professor, Honorary Director, Honorary Chairman, Distinguished Alumnus, Distinguished Researcher, Research Fellow by universities and research institutes. He also published over 1,100 papers in Information Sciences. In the meantime, he participates actively in international academic organizations and performs advisory work to government agencies and academic organizations.

## Keynote Speaker II



Chairman of ICIMT 2009, Prof. Venkatesh Mahadevan  
Swinburne University of Technology, Australia

Dr Venkatesh Mahadevan is currently lecturing in Information Systems (IS) and eBusiness the Faculty of Higher Education at Lilydale campus of Swinburne University of Technology, Australia. He has extensive research experience in the different phases of the usability design lifecycle, from user research, requirement specifications and conceptual design through to usability attributes testing of a Telecollaboration (TC) business system. Previously Venkatesh was attached to the Faculty of Engineering at the University of Technology, Sydney (UTS) as Senior Research Associate/Lecturer working for a CSIRO-led CeNTIE (Centre for Networking Technologies for the Information Economy) TC project. He has a PhD from UTS in which he built a models and application framework for a Telecollaboration business system from the ground up in an agile collaborative environment that would enhance the virtually enabled collaborative practices of industry. This contemporary research from several perspectives (such as business process, knowledge, service, application and cognition) has met the necessity of addressing many of the theoretical, practical and methodological issues surrounding research on eBusiness/IT interface generally, and more specifically, research into the value-added Human Computer Interaction (HCI). In particular, he has researched how to integrate models from various domains into an integrated cognitive system without leveraging the usability attributes of a TC business system.

Venkatesh has presented his research findings at several Australian and international conferences and workshops. He has previously taught in India, Malaysia, and New Zealand. During his stay at UTS he was also actively involved in teaching and supervising undergraduate and postgraduate students. His personal pedagogy improved greatly with a Graduate Certificate in Higher Education Teaching and Learning conducted by Institute for Interactive Media and Learning at UTS. Since then designing, developing, implementing and publishing new pedagogic techniques are his favorite academic activities.

## December 18, 2009 (Friday)

Jeju Oriental Hotel

09: 00 - 18: 00 Arrival and Registration

**Note: (1) You can also register at any time during the conference.**

**(2) Certificate of Participation can be collected at the registration counter.**

## Morning, December 19, 2009 (Saturday)

Venue: Wang Hai Ting

08: 30 – 8: 40	Opening Remarks
08: 40 – 09: 20	Keynote Speech I IEEE Fellow and IET Fellow, Prof. Chin-Chen Chang Feng Chia University, Taiwan
09: 20 – 10: 00	Keynote Speech II Dr. Venkatesh Mahadevan Swinburne University of Technology, Australia
10: 00 – 10: 20	Photo Session and Coffee Break

## Morning, December 19, 2009 (Saturday)

SESSION – I

Venue: Wang Hai Ting

Session Chair: Dr. Venkatesh Mahadevan and Prof. Albert P. Cruz

Time: 10:20 – 12:20

NO.	Paper Title and Author Name
B091	Towards the Distributed Autonomy in Complex Environments Frank Chiang, Venkatesh Mahadevan
B055	Task-Technology Fit and Performance in Learning Albert Cruz
B017	Applying Relational Dependency Discovery Framework to Geo-Spatial Data Mining Jeffrey Maddox and Dong-Guk Shin.
B041	A Study on the Effects of Energy Storage System Hanmin Lee, Euijin Joung, Gildong Kim, Cheonheon An
B042	A Study on the Equivalent Conductor Representation of AC Electric Railway System Hanmin Lee, Sehchan Oh, Gildong Kim, Cheonheon An
B043	A Study on the Application of ESS on SeoulMetro line 2 Gildong Kim, Hanmin Lee
B044	Optimal Capacity of SVC to Compensate Flicker induced by Electric Arc Furnace Gildong Kim, Hanmin Lee
B045	Collaborative Awareness For Translation Groupware Tek Yong Lim
B046	Modeling Spammer Behavior: Naïve Bayes vs. Artificial Neural Networks Md. Saiful Islam, Shah Mostafa Khaled, Khalid Farhan, Md. Abdur Rahman, Joy Rahman

- 
- B047 Approaches for Connection of Vision based Monitoring System with Railway Signal System for Train Emergency Stop  
Sehchan Oh, Sunghyuk Park, Euijin Joung
- B048 Derivation of Railway Software Safety Criteria and Management Procedure  
Euijin Joung, Hanmin Lee, Sechan Oh, Gildong Kim
- B052 Research on Laser Gravure Image Lossless Compression  
Xia Qin-xiang, Li Zhe-lin
- B053 Performance of Buffered Switch Architectures  
Luisito Tabada, Pierre Tagle
- B062 InCtrl HD: Intuitive User Interface Control using Wii Remote for High Definition Videoconferencing  
Marc Jordan Angco, Riyeth Tanyag, Rowel Atienza
- B070 Vision Based Relative Speed Detection of Moving Objects in a Traffic Environment  
Dev Yadav, Avinash Nagraj
- B072 A Travel Planning Optimization under Energy and Time Constraints  
Thara Angskun, Jitimon Angskun
- B073 An Optimization Model for an Intercropping Planning System  
Jitimon Angskun, Thara Angskun
- B087 Fusion of Decision Tree and Gaussian Mixture Model for Heterogeneous Data Sets  
Khoi-Nguyen Tran
- B092 Patient Information Management: Application Of Performance Theories For Healthcare  
Zenon Chaczko, Avtar Singh Kohli, Christopher Chiu, Venkatesh Mahadevan
- B101 Motion Salient Detection Based on Region-of-Non-Interest Spatial-Temporal Analysis  
Wei Si, Chuang-Bai Xiao

Venue: Wang Hai Ting

12: 20 - 13: 30

Lunch Break

### **Afternoon, December 19, 2009 (Saturday)**

#### **SESSION – II**

Venue: Wang Hai Ting

Session Chair: Prof. Nor Shahriza Abdul Karim and Prof. Anastacia Alvarez

Time: 13:30 – 15:45

- | <b>NO.</b> | <b>Paper Title and Author Name</b>   |
|------------|--|
| E224       | Mobile phone adoption and appropriation in malaysia and the contribution of Age and gender<br>Nor Shahriza Abdul Karim, Rose Alinda Alias, Shamsul Anuar Mokhtar, Nor Zairah Ab Rahim  |
| A011       | An Asynchronous Implementation of a 32-bit DLX Microprocessor<br>Christian Loyd G. Dumaguing, Amos Kaiser K. Khan, Mark Anthony D. Parungao, Anastacia B. Alvarez, Joy Alinda P. Reyes |
| E027       | Biological Effect of 900MHz and 1800MHz Mobile Phones in SAR weight<br>Kasumawati Lias, Agnes Hii, Dayang Azra Awang Mat, Kuryati Kipli, Ade Syaheda Wani Marzuki, Maimun Huja Husin   |
| E028       | A Simple LMS Algorithm Based Smart Antenna to Solve the Reader Collision Problems in RFID System   |

- Sakil Sayeed, Young Soo Kim
- E034 Press the Cancel Button! A Performance Evaluation of Scalable In-Network Data Aggregation  
Jamie Macbeth, Majid Sarrafzadeh
- E035 Integration of multi-path Optimized Link State Protocol with Max-Weight Scheduling  
Andrzej Szwabe, Pawel Misiorek
- E036 Analysis of Phase Distortion of Optical OFDM Signal in Optical Fiber Transmission  
Boonaue Pirom, Pasu Kaewplung
- E223 Optimizing the Pictorial Compacted Data Detection Process for Working at the Noisy Environment, Using Reversible Symmetrical Codes  
Kamran Shafafi, Emadodin Saremian, Amin Samanfar, Omid Moradtalab
- A013 Effect of the reduction of silver ions to silver nanoparticles on the dielectric properties of chitosan-silver triflate electrolyte  
Shujahadeen Bakr Aziz, Zul Hazrin Zainalabidin, Abdulkariem Bin Mohd Arof
- A014 Design, Fabrication and Testing of Fringing Electric Field Soil Moisture Sensor for Wireless Precision Agriculture Applications  
suraya sulaiman, azrif manu, nur firdaus a.rahim
- A016 Comparative Study on System Model and Finite Element Analysis of a Monolithic 3DOF MEMS Capacitive Accelerometer  
Muhammad Shuja Khan, Shafaat Ahmed Bazaz, Muhammad Abid
- A100 Multi-Resolution Ant Colony A New Approach to Use Swarm Intelligence in Continuous Problems  
Alireza rezaee, Mohammad jafar pour jalali
- A102 Characterization analysis of a High Speed, Low Resolution ADC based on Simulation results for different resolutions  
Baljit Singh, Parveen Klair
- A105 Quaternary CMOS Combinational Logic Circuits  
Vasundara Patel K. S., Dr K. S. Gurumurthy
- A106 Characterization Of Single And Dual Layer Anti Reflecting Coating (Arc) For Solar Cell Applications  
Zoolfakar A.S, Syed Othman S.R, Abdullah M.H
- A107 Operational of ISFET as a pH sensor by using signal modulated reference electrode  
Rozina Abdul Rani,, Mohd Ismahadi Syono, Mohd. Rafiulddin Marzuki
- B095 Hybrid Routing Protocol for Prolonged Network Lifetime in Large Scale Wireless Sensor Network  
masoud tabibzadeh, mehdi sarram, fazlollah Adibnia
- B097 Implementing Usability Attributes In E-Learning System  
Junaida Sulaiman, Ku Saimah Ku Ibrahim, Noorhuzaimi@Karimah Mohd Noor
- B098 Extracting Software Functional Requirements from Free Text Documents  
Yinglin Wang, Yunhe Mu, Jianmei Guo
- B099 Abstraction Strategy of Software Knowledge Reuse for Adaptable Knowledge and Information System  
Yinglin Wang

**Afternoon, November 19, 2009 (Saturday)**

**SESSION – III**

Venue: Wang Hai Ting

Session Chair: Prof. Henriette H. Bier and Prof. Chiunhsiun Lin

Time: 16:00 – 18:15

<b>NO.</b>	<b>Paper Title and Author Name</b>
B064	Prototypes for Distance Learning in Academic Education Henriette Bier
B102	Using Color Strings Comparison for Video Frames Retrieval Chiunhsiun Lin, Ching-Hung Su
B105	Assessing Drivers of Web Technology Investment in Malaysia Service Industry: An Application of Technological, Organizational, and Environmental (TOE) Model Intan Salwani Mohamed, Norzaidi Mohd Daud, Normah Omar, Marthandan Govindan
B107	A Review of Digital Watermarking Techniques for Text Documents Zunera Jalil, Anwar M. Mirza
B108	Priority Watermarking-Based Face-Fingerprint Authentication System Dat Tran
B110	A Correction of Missing Reliability for Robust Bimodal Speaker Identification M. Tariquzzaman, Jin Young Kim, Seung You Na
B313	The New Exploration of Hearing Impaired Written Language Instructional with Speech Recognition Technology Wulan, Jiacheng Xu, Xueli Qu
B340	English to Bangla Translation in Structural way Using Neural Network Md. Mokammal Hossain, Khandakar Entenam Unayes Ahmed, Ahmed Rakib Uddin
B342	Shape Feature Extraction for IC Wafer Circuit Liming wu, qingchun wei, Jianlin zhu, Zailong qing
B343	Usage Control Based on Windows Kernel Hook YulinWang, Yang Shen
B353	A Multilevel Shrinkage Approach for Curvelet Denoising Preety D Swami
B373	How can Synchronous Computer-mediated Communication SCmC be exploited to help develop the speaking skills of the Saudi English language learner? Basim H. Alahmadi
B383	Muss: A Methodology for the Investigation of Sensor Networks Hualing Li, Caishen Ning
B386	Effect Of Quantization On The Robustness Of Dct Digital Watermarking Techniques Mandeep Kaur, Gurinderbir Kaur Sidhu
B387	Robust Watermarking into the Color Models based on the Synchronization Template Parvinder Kaur, Mandeep Kaur
B388	High Performance of DOM Technique in XML for Data Retrieval Mohd Kamir Yusof
B395	The Development of Multi-Weblog with Knowledge Management for Thailand's Higher Education Prachyanun Nilsook and Tungrat Sriwongkol
B396	An Analysis of Web Services and Design of Information Management on Vocational Education

Websites in Thailand

Namon Jeerungsuwan, Prachyanun Nilsook, and Panita Wannapiroon

B407 Semantic Email Addressing (SEA) as a solution to email violation in Malaysia

Dr. Haryaniharon, zulkefli bin mohd yusop, mohamad firdaus bin che abdul rani

B410 A Review of Collision Avoidance Technique for Crowd Simulation

Noralizatul Azma Mustapha, Abdullah Bade, Sarudin Kari

## Instructions for Oral Presentations

### Devices Provided by the Conference Organizer:

Laptops (with MS-Office & Adobe Reader)

Projectors & Screen

Laser Sticks

### Materials Provided by the Presenters:

PowerPoint or PDF files

Duration of each Presentation (Tentatively):

Regular Oral Session: about 15 Minutes of Presentation 5 Minutes of Q&A

Keynote Speech: 45 Minutes of Presentation 5 Minutes of Q&A

## Jeju Oriental Hotel



The hotel is 9 story building in modern style. There are meeting & banquet rooms, sauna, bowling, and casino. Oriental Hotel Jeju built in 1988 is 9 story building in modern style, located in Tap-dong seaside area and within 4 Km distance from the Jeju International Airport. There are meeting & banquet rooms,



sauna, bowling, and casino. The marble lobby is large in size and conveniently designed.

Oriental Hotel in Jeju in South Korea is one of the renowned 6 stars hotels in Jeju in South Korea. This hotel is located in Samdo 2-dong, Jeju City Jeju Do. The Oriental Hotel in Jeju is known for its excellent room facilities, hotel amenities and services and warm South Korean hospitality. Numerous tourists regularly visit this deluxe hotel all round the year. The Oriental Hotel at Jeju is the ultimate choice for both corporate and leisure travelers.

The great German composer Wagner once said, "Those who love to travel and are not afraid of change are people of great vitality". Our super deluxe Jeju Oriental Hotel invites you who love to travel and are willing to accept changes. Jeju Oriental Hotel has been doing its best to provide comfortable facilities and the best services for you since its opening in 1988. Also, the nearby amusement park, seaside art center, and other convenient facilities will give you a chance to have lots of fun. We hope you have a great time with us, and thank you for visiting the website.

The room facilities at Oriental Hotel in Jeju in South Korea provide you 313 guest rooms. Each of the rooms are well designed and provide you with a great view of the surrounding places. The rooms are properly furnished with a refrigerator, minibar, electronic safe, personal locker, satellite channels, pay per movie packages, in house movie watching facilities; color TV, IDD telephone lines, broadband services, personal computer and a writing desk.

The room facilities at Oriental Hotel in Jeju in South Korea also provide you with other services like 24 hours room service, laundry service, running hot and cold water simultaneously, provisions for bellman and porters on call, doctors on call, complimentary mineral water and a separate tea or coffee making machine as per your choice of preference.

The room facilities of Oriental Hotel in Jeju in South Korea also offer you other services. The rooms are provided with a private bathroom which is well furnished with all the necessary items of toiletry including slippers, bathtub, bathrobe and towels. There is also a wardrobe and a beautiful lampshade to complement your writing table. The rooms are artistically designed and their appearance is very impressive. Also, the rooms are provided with an extra amount of space so that you can stretch yourself and relax out here completely.

The room facilities in Oriental Hotel in Jeju in South Korea also have the provision for interconnecting rooms and specially designed rooms for the handicapped and the disabled. Besides, you can enjoy the

calm and soothing breeze in the evenings from your balcony.



### **Location**

The hotel is located in Tap-dong seaside area and within 4 Km distance from the Jeju International Airport. Jeju in South Korea is one of the emerging tourist destinations in South Korea. Tourist from all over the world love to visit Jeju in South Korea with ones friends and relatives. To cope up with this huge influx of travelers many hotels and resorts are located throughout the city. You will come across many hotels ranging from one star hotel to 6 star hotels in Jeju in South Korea in South Korea. One of the popular five stars hotels in Jeju in South Korea is the Oriental Hotel in Jeju in South Korea. Oriental Hotel in Jeju in South Korea is one of the super deluxe hotels of Jeju in South Korea. This celebrated 6 star hotel in Jeju in South Korea in South Korea offers an array of room facilities and services to its customers. The Location of Oriental Hotel in Jeju in South Korea had made it the ideal destination for both the corporate and leisure traveler.

The location of Oriental Hotel in Jeju in South Korea is best. The location of Oriental Hotel at Jeju in South Korea is ideal to visit the other tourist attractions of Jeju in South Korea without any hassles. One of the popular tourist attraction located near the hotel is the Yongduam rock. This rock is basically a volcanic rock. This rock was created due to an eruption approximately 2 million years back. The Yongduam rock is about 30 meters long and 10 meters high. The rock resembles the head of a dragon. Travelers visiting Jeju in South Korea cannot afford to miss this tourist attraction. Moreover, approximately 200 meters to the east of Yongduam is the celebrated Yongyeon. This pond is famous for its crystal clear water.

The location of Oriental Hotel of Jeju in South Korea gives opportunities to its guests to visit the shopping centers of the city without any hassles. Shoppers from all over the world come to this place for shopping. You will also come across many eateries located near the shopping centers. The food served

here are really very mouthwatering.

The location of Oriental Hotel in Jeju in South Korea has made it easily accessible from any parts of the city. The Oriental Hotel can be reached by availing any means of private and public transportation. The Jeju in South Korea airport is also located near the hotel. The location of Oriental Hotel in Jeju in South Korea is perfect to relax, dine and to shop with your friends and relatives.

Location: Waterfront/Beach / Central

1 kms to city centre

4 kms to the nearest airport (jeju)

2 minute walk to the nearest bus stop

Close to the beach



**Hotel Booking Method:**

<http://www.fntravel.com/english/chejuhotels/oriental.html>

**Conference Secretary Contact:**

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