

# 2010 IACSIT KYOTO CONFERENCES SCHEDULE

2010 2nd International Conference on Mechanical and Electronics Engineering (ICMEE 2010)  
2010 International Conference on Electronics and Information Engineering (ICEIE 2010)

**Kyoto, Japan**

**Kyoto International Conference Center (ICC Kyoto)**

**August 1 - 3, 2010**

**Sponsored and Published by**



[www.iacsit.org](http://www.iacsit.org)**Aug. 1, 2010 (Sunday)****Main Hall of Kyoto International Conference Center**

10: 00 - 17: 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, Aug. 2, 2010 (Monday)**

Venue: Room C-1

9: 00 - 09: 15	Opening Remarks Prof. Parvinder S. Sandhu
9: 15 - 10: 15	Keynote Speech I Prof. Fumitoshi Matsuno Department of Mechanical Engineering and Science Kyoto University
10: 15 - 11: 00	Taking Photo & Coffee Break
11: 00 - 12: 00	Keynote Speech II Prof. Wang Jun IEEE Fellow, The Chinese University of Hong Kong

12: 00 - 13: 30	Lunch Break
-----------------	-------------

**Afternoon, Aug. 2, 2010 (Monday)**

SESSION – 1 (ICMEE)

Venue: Room F

Session Chair:

Time: 13:30 – 15:30

M008	Instant Coffee Classification by Electronic Noses Chomtip Pornpanomchai, Koravit Jurangboon and Kanpai Jantarasee
M010	Operation of a Radio-Controlled Car by Voice Commands Parichart Leechor, Chomtip Pornpanomchai and Phichate Sukklay
M012	The Polynomial Predictive Particle MeMber Filter Jianjun Yin, Jianqiu Zhang and Lihua Ni
M020	Small World Phenomenon in the Radio Frequency Identification (RFID) Patent Citation Network Shiu-Wan Hung and An-Pang Wang
M024	The Effect of Non-Flat Interfaces before Weld on the Joint Strengths of Hot Plate Welded Parts Shih-Jung Liu and Yi-Ming Chou
M031	Packing Pressure Control for Energy-saving Servo Injection Molding Based on Fuzzy-PID

2010 IACSIT KYOTO CONFERENCES

	Controller Shuo Wang, Ji Ying, Zichen Chen and Yu Feng
M032	Optimal Sizing Design of Truss Structures Using Modified Binary Particle Swarm Optimization (Modified BPSO) Asghar Rasouli, Ghader Bagheri and Hamid Shabanzadeh
M036	Experimental Analysis of the Single-Phase Heat Transfer and Friction Factor inside the Horizontal Internally Micro-Fin Tube H. K. Tam, L. M. Tam, W. W. Chu and A. J. Ghajar
M037	Path Generation based on a Rotating Coordinate System B. Lotfi, Z.W. Zhong and L.P. Khoo
M043	The Effect of Inner Surface Roughness on Friction Factor in Horizontal Micro-tubes A. J. Ghajar, L. M. Tam, H. K. Tam and Q. Wen
M052	A 1.5 v High Swing Ultra-Low-Power Two Stage CMOS OP-AMP in 0.18 $\mu\text{m}$ Technology Ehsan Kargaran, Hojat Khosrowjerdi and Karim Ghaffarzadegan
M054	Power Supply Dependency Reduction of Ring Oscillators Using Self Biasing Mohammad Hassan Montaseri and Hossein Miar Naimi
M055	Saving on Electricity Cost for Operating Large-Size Data Centers through Implementation of Workflow Intuitive Formal Approach A.Q. Ansari, A.B. Patki and V. K. Nangia
M058	An Improved Sobel Algorithm Based on Median Filter Chunxi Ma, Lei Yang, Wenshuo Gao and Zhonghui Liu
M063	Application of Thermo-Electric Joule Heating for Crack Detection Thomas Jin-Chee Liu
M065	Operation of a Radio-Controlled Car using Face Image Chomtip Pornpanomchai, Burin Wiranurak, Woraphol Weerawut and Linjong Kawrungruang
M074	The Power-saving Approach by Critical Section Detections of Multi-cores Embedded Systems Kuo-Yi Chen, Fuh-Gwo Chen and Ting-Wei Hou
M076	Development of a Nano-Positioning Planar Motion Stage Tien-Tung Chung, Chih-Hsiang Chu, Kuang-Chao Fan, Jia-Yush Yen and Kou-I Szu
M077	Design and Analysis of Multilayer Electrothermal Actuator for MEMS Anup Kumar Bharali, P. K. Patowari and S. Baishya
M078	Wavelet Analysis with Time-synchronous Averaging of Planetary Gearbox Vibration Data for Fault Detection, Diagnostics, and Condition Based Maintenance Jing Yu, Lawrence Yip and Viliam Makis
M079	Blind Joint Frequency Offset and Channel Estimation for MC-CDMA Systems over Multipath Fading Channels Chi-Jung Chen, Tsui-Tsai Lin and Tung-Chou Chen
M081	Computational Fluid Dynamics in Drag Reduction of Streamline Bodies Using Natural Boundary Layer Transition Criterion Vahid Nejati, Mostafa Khaleghi and Masud Kaveh

15: 30 - 15: 40

Coffee Break

**Afternoon, Aug. 2, 2010 (Monday)**

SESSION – 2 (ICMEE)

Venue: Room F

Session Chair:

Time: 15:40 – 18:00

M082	Optimization Consideration of Undoped Raised Source/Drain FinFET with Effective SCE Control V. Ramanjaneyulu, S. Baishya and R. H. Laskar
M083	Design of a New Ultra-High Vacuum System for Massively Parallel Maskless Lithography Tien-Tung Chung, Yi-Ting Tu, Yi-Feng Chen and Wei-Ming Wu
M085	Two Layered Novel Anodic Aluminum Oxide Nanoporous Membrane Ajab Khan Kasi, Jafar Khan Kasi, Muhammad Waseem Ashraf, Shahzadi Tayyaba, Nitin Afzulpurkar and Adisorn Tuantranont
M086	Optimum Design of A High Precision AOI Machine Structure Tien-Tung Chung, Yu-Chu Huang, Chia-Hung Ma, Kuang-Chao Fan, Chih-Dean Tsai and Kuang-Pu Wen
M087	Performance Analysis of Finger Print Sensors Barbadekar Ashwini, Jadhav Shivaji Digambarrao and S.P Patil
M089	Comparison of Relaxation Properties of N-type and P-type CdTe Single Crystals Alexey Andreev, Lubomir Grmela and Ondrej Sik
M091	Analysis of a Monometallic Two Arm Horizontal Thermal Actuator for MEMS P. K. Patowari, A. S. Bharali, M. M. Nath, J. Gogoi, C. K. Singh and S. Baishya
M092	Design and Implementation of Small-scale Industrial Computer Monitoring System Shutao Wei, Lin Chen, Lili Cui and Guangzheng Yu
M093	Configuration Optimization of Manufacturing System based Resource Reconfiguration Beirong Zheng, Wei Xue and Xiaowen Xie
M095	The Rectangular Shaped Miniature Specimen to Study the Mechanical Behavior of Materials D. K. Sehgal, R.K.Pandey and Asif Husain
M116	Aerodynamic Derivatives and Wind Field Estimation in a Flight Accident Involving Cross Wind Ching-Shun Ho, Ming-Hao Yang, Po-Hsiung Lin and Chuan-Tau Edward Lan
M501	Numerical Investigation on Fuel Lean Reburning in a Lab Scael Furnace Hak Young Kim and Seung Wook Baek
M502	Economical and Exergical Analysis of Refrigeration Systems Yaser Sahebi, Asadollah Motallebi and Mostafa Salehi
M504	Linearized Giant-Magnetoresistance Sensor for Static Field Measurement Jen-Tzong Jeng, Ting-Yu Syu and Chih-Cheng Lu
M098	Tribological Simulation for the Invalidation Analysis of Mould Yan-fang Yin
M111	Analysis of Weight Perception, Load Forces, and Objects' Motions in Lifting Objects with a Power Assist Robot System to Modify the Control S.M.Mizanoor Rahman, Ryojun Ikeura and Hideki Sawai
M123	Geometric Optimization of Pinching and Grasping Underactuated Finger

**2010 IACSIT KYOTO CONFERENCES**

	Norsinnira Zainul Azlan and Hiroshi Yamaura
M124	Manipulating Objects with a Power Assist Robot in Harmonic Motion: Analysis of Human Features and Object Motions for Control Modification S.M.Mizanoor Rahman, Ryojun Ikeura and Hideki Sawai
M125	Sensitivity Analysis of Relative Deadline for EDF Scheduled Real-Time Systems Fengxiang Zhang, Alan Burns and Sanjoy Baruah
M130	Application of Two Intelligent Methods for Firefighting Systems in Rescue Environment with New Parameters on Modeling H. Kharrati, S. Khanmohammadi, N. Khosroshahli and N. Miandashti
M133	Simulation and Research on Shotpeening Process Parameters with Considering Spring Back Effect Afshin Manouchehrifar and Kamal Rezvani
M137	Regenerative Braking for Electric Vehicle based on Fuzzy Logic Control Strategy Zijian Zhang, Guoqing Xu, Weimin Li and Liang Zheng
M143	Plethysmography Bluetooth Measurement Cerny M. and Penhaker M.
M144	A Novel Shaking Optimization Algorithm for Two-Dimensional Irregular Strip-Packing Problem Ehab A. Abdelhafiez and Fahd A. Alturki
M145	Phenyl-Loop Behaviors of Mechatronic Products and Their Usefulnesses for Conceptual Design Liang Shi and Yi-Min Deng
M282	Prediction of Wire Wear through Pixels in Single Pass WEDM Nitin Kumar Lautre

**Afternoon, Aug. 2, 2010 (Monday)**

SESSION – 3 (ICEIE)

Venue: Room G

Session Chair:

Time: 13:30 – 15:30

E024	Power Saving for Multiple MEMS-based Devices by Probabilistic Data Partition Jen-Ya Wang
E009	Technical Report of Building a Line Follower Robot Arsham Vosoughinia and Ehsan Marjani Bejestani
E019	Feature Selection based on Modified Minimize Entropy Principle Jr-Shian Chen, Hung-Lieh Chou and David Wen-Shung Tai
E023	Interval Matrix Models of Design Iteration Ivan Petković and Vladimir Petković
E027	The Control of Distributed Generation System Using Multi-Agent System Qun Xu, Xiaobo Jia and Liqin He
E030	A Novel Method for Quick Hearing Assessment of Children Wen-Huei Liao, Shuenn-Tsong Young, Shih-Tsang Tang, An-Suey Shiao, Shyh-Jen Wang, Chiang-Feng Lien and Ming-Liang Hsiao

2010 IACSIT KYOTO CONFERENCES

E034	Advanced Simulated Annealing-based BPNN for Forecasting Chaotic Time Series Jui-Yu Wu
E036	Visualization and Structure Analysis for Efficient XML Design Yeongsik Pak and Byunggi Kim
E038	Dynamic Policies for Supporting Quality of Service in Service-Oriented Architecture Chi Wu-Lee and Gwan-Hwan Hwang
E039	A Mathematical Technique for RF Mixer Linearization Using Second Order Intermodulation Injection Hojat Khosrowjerdi, Hooman Nabovati and Rahele Hedayati
E042	GPU Acceleration of Method of Moments Matrix Assembly using Rao-Wilton-Glisson Basis Functions E. Lezar and D.B. Davidson
E043	A Study for Anaesthesia Methods in Total Knee Arthroplasties based on Data Mining Sheng-Chung Tu, Chih-Jen Hung, Chih-Cheng Wu and Jr-Shian chen
E051	ECG Beat Classification Method for ECG Printout with Principle Components Analysis and Support Vector Machines Dusit Thanapatay, Chaiwat Suwansaroj and Chusak Thanawattano
E325	Initial Analysis and Evaluation of Citizen Usage of E-Government Gateway in Turkey Tunc Medeni, Ugurcan Kutluoglu, Asim Balci and Yasin Kahramaner
E1366	Traffic Engineering for Provisioning VPNs with Time-Varying Bandwidth Requirements Yu-Liang Liu and Yu-Ting Chin
E054	The Device for Generation the Distress Signal and Monitoring System for a Survivor Based on WSN Jeong-Ju Kim, Dong-Jin Kim, Jeong-Do Kim, Chul-Ho Hong, Bbun-Byul Lee and Kyung-Nam Ko
E055	A Subthreshold Surface Potential Modeling of Drain/Source Edge Effect on Double Gate MOS Transistor Satyanand Namana, Srimanta Baishya and Kalyan Koley
E060	Pattern Classification of Harmonic Monitoring Data using Data Mining Ali Asheibi
E062	Throughput Enhancement in Ad hoc Networks Using Virtual Carrier Sensing Mechanism Gunasekaran R, Sumitha P and Rhymend Uthariaraj V
E063	Relationship between Free E-learning Websites and E-commerce Mir Mohammad Seyed Danesh, Soolmaz Mir Mortazavi and Mehrzad Nahavandi
E064	M-learning Objects Ion Mierlus-Mazilu
E068	Low-error and Area-efficient Fixed-width Multiplier by Using Minor Input Correction Vector I-Chyn Wey and Chun-Chien Wang
E070	Herb Flower Recognition System (HFRS) Chomtip Pornpanomchai, Ponrath Sakunreraratsame, Rosita Wongsasirinart and Nuttakan Youngtavichavhart

15: 30 - 15: 40

Coffee Break

**Afternoon, Aug. 2, 2010 (Monday)**

SESSION – 4 (ICEIE)

Venue: Room G

Session Chair:

Time: 15:40 – 18:00

E071	Ribbed Smoked Sheet Grading System (RSSGS) Chomtip Pornpanomchai and Naret Chantharangsikul
E072	Personal Television Revisited: Concurrent Network Television Manuel J. Fernández Iglesias, Martín Llamas Nistal, Fernando Sánchez Zamora
E073	Integration of Captivate and JOOMLA: Online Demonstration and Assessment e-Learning Resources Swee Liang Aw, Koko Aye, Arslan Ayari and Firas Laban
E076	Probabilistic Neural Network for Vulnerability Prediction on a Practical Power System Ahmed M. A. Haidar, Ibrahim A. Ahmed and Zulkeflee Khalidin
E320	A Self-Managing Strategy for Balancing Response-Time and Power Consumption in Heterogeneous Transaction Server Clusters Daniel F. Garcia, Joaquin Entrialgo, Javier García and Manuel García
E085	VoIP Traffic Classification in IPsec Tunnels Taner Yildirim and PJ Radcliffe
E095	HT2X[ML], an HTML Convertor Hossein Shahsavand Baghdadi and Bali Ranaivo-Malanç
E109	PID Coefficient Designs for the Automatic Voltage Regulator Using a New Third Order Particle Swarm Optimization Hwan Il Kang, Min Woo Kwon and Hwan Gil Bae
E114	Fingerprint Verification over the Network and its Application in Attendance Management Quratulain Shafi, Javaria Khan, Nosheen Munir and Naveed Khan Baloch
E122	Real-coded Genetic Algorithm-based Particle Swarm Optimization Method for Solving Unconstrained Optimization Problems Jui-Yu Wu
E124	Optimal Guidance Law with Ability to Enlarge Range Tao Wu, Qunli Xia, and Yunli Du
E137	Analysis of Single-path and Multi-path AODVs over Manhattan Grid Mobility Models for Mobile Ad Hoc Network May Zin Oo and Mazliza Othman
E141	Normalization and Rectification Method for online Hindi Digit Recognition with Partial Alignment Algorithm Moayad Yousif Potrus, Umi Kalthum Ngah, Harsa Amylia Mat Sakim and Suha Adham AbdulRahman
E142	Artificial Neural Network Based Cardiac Arrhythmia Classification Using ECG Signal Data S. M. Jadhav, S. L. Nalbalwar and Ashok Ghatol
E145	Static Timing Analysis in Dual-Rail Precharge Logic Based DPA Resistant Circuit Design Yue Daheng, Li Shaoqing and Zhang Minxuan

2010 IACSIT KYOTO CONFERENCES

E149	Distributed Network Management with Secured Mobile Agent Support Mohammed A. M. Ibrahim
E157	System for Archiving, Communication and Analyzing of 3D Dental Cast Model Chanjira Sinthanayothin, Nonlapas Wongwaen, Natthawadee Phichitchaipha and Wisarut Bholsithi
E158	Segmentation Algorithm for Touching Round Grain Image Kantip Kiratiratanapruk and Wasin Sinthupinyo
E162	A Semi-Blind Robust Watermarking Scheme Based on Most Perceptually Important Region of Images Hossein Rahmani and Mohsen Ebrahimi Moghaddam
E164	Pay-As-You-Use On-Demand Cloud Service: An IPTV Case Phooi Yee Lau, Sungkwon Park , Joonhee Yoon and Joohan Lee
E165	Computerized Algorithm for 3D Teeth Segmentation Nonlapas Wongwaen and Chanjira Sinthanayothin
E052	The Development of an Ontology-based Adaptive Personalized Recommender System Pin-Yu Pan, Chi-Hsuan Wang, Gwo-Jiun Horng and Sheng-Tzong Cheng
E170	Optimal Transmission Scheduling of Hierarchical Distributed Source Coding for Wireless Sensor Networks Wei-Min Tsai, Chi-Hsuan Wang, Chih-Lun Chou, Ying-Jun Chen , Jia-Shing Shih and Sheng-Tzong Cheng
E176	Design of LVDS Driver Based CMOS Transmitter for a High Speed Serial Link Wonki-Park and Sung-Cul Lee
E183	Eigenvectors for clustering: unipartite, bipartite, and directed graph cases Andri Mirzal and Masashi Furukawa
E172	CMOS Current Reference Generator Using Integrated Resistors Hosung Chun and Torsten Lehmann

**Morning, Aug. 3, 2010 (Tuesday)**

SESSION – 5 (ICMEE)

Venue: Room F

Session Chair:

Time: 9:00 – 10: 30

M146	Applying Critical Path Method for Conceptual Design Refinement Yi-Min Deng
M147	Vector 2703—An Autonomous Ground Vehicle Tushar Chugh and Meenakshi Gupta
M150	A Disturbance Reduction Scheme for Linear Systems with Time Delays and Modeling Uncertainties Ming-Hau Tsai and Pi-Cheng Tung
M152	Power Electronics Distribution Software Testing Marek Penhaker
M153	Thermal Management with Peltier Modules Pavel Kubina and Marek Penhaker

**2010 IACSIT KYOTO CONFERENCES**

M154	Bed Vibration Measurement and Evaluation for Maintenance Health Systems Cerny M. and Penhaker M.
M156	Proactive User Adaptive System for Windows Mobile Devices – Processing of Sound Input Signal for Sleep State Detection Ondrej Krejcar, Jakub Jirka and Dalibor Janekulik
M157	Incremental PIC Controller with Handled Limit States and Manual Settings Ondrej Krejcar, Ivo Spicka, Robert Frischer and Milan Heger
M158	Material Inner Defect Detection by a Vibration Spectrum Analysis Ondrej Krejcar and Robert Frischer
M159	Development of Bar Code Scanner Application for Windows Mobile Devices Using a Symbol Mobility Developer Kit for .NET Compact Framework Ondrej Krejcar and Marcel Macecek
M160	Electronic Embedded System Applications Vilem Srovnal and Marek Penhaker
M162	The Analysis and Control of Pick-and-Place Process in Flip-Chip Bo Peng, JianZhou Quan, ZhouPing Yin and YouLun Xiong
M164	Multiple Frequency Characterizations of a CMOS Planar Fluxgate Magnetic Sensor Weng-Sheng Huang, Chih-Cheng Lu and Jen-Tzong Jeng
M165	Personal System of Remote Health Care Cerny M. and Penhaker M.

<b>10: 30 - 10: 40</b>	<b>Coffee Break</b>
------------------------	---------------------

**Morning, Aug. 3, 2010 (Tuesday)**

SESSION – 6 (ICMEE)

Venue: Room F

Session Chair:

Time: 10:40 – 12:30

M166	Analysis of Rotating Anode Using Finite Element Method Young Taek Cha, Sang Hoon Kang, Jin Young Park, Kyung Chan Jin and Jung A Hwang
M167	Interoperation of Wired and Wireless Sensor Networks over CATV Network in Hospitals Jin Young Park, Young Taek Cha, Sang Hoon Kang, Kyung Chan Jin and Jung A Hwang
M179	Design and Implementation on Two Kinds Practical and Portable Transient Waveform Recorder Yan Hongwei and Yao Zhuting
M512	Upgrading on Cement-Mortar Properties for Electromagnetic Wave Shielding in Buildings Hsien Hua Lee and Tz-Huang Yen
M517	Analysis of an Orthotropic Adaptive Shallow Spherical Shell on Elastic Foundation K. M. Gupta
M616	Face Detection Based on Extended Haar-like Features Chang Chai and Yulin Wang
M617	A Watermarking E-note Technique against Geometric Attacks Hang Su, Chuqing Lv, Yanbing Ji and Yulin Wang

**2010 IACSIT KYOTO CONFERENCES**

M622	Design and Development of an Embedded System for Thermal Conductivity Measurement of Polymer Thin Films Alety Sridevi Reddy and Raghavendra Rao Kanchi
M630	Tapered Tip Hollow Silicon Microneedles for Transdermal Drug Delivery Muhammad Waseem Ashraf, Shahzadi Tayyaba and Nitin Afzulpurkar
M026	Deformation of Clamped Circular Plates Subjected to Impulsive Loading Hashem Gharababaei and Mahsasadat Miralinaghi
M064	The Speech Recognition Chip Implementation on FPGA Cheng-Yuan Chang, Ching-Fa Chen, Shing-Tai Pan and Xu-Yu Li
M129	A Low Power Multiple-Gate Mixer for WiMAX System Chih-Lung Hsiao and Yi-Lun Huang
M170	Computer Simulation of Single-Phase Matrix Converter Operating as Buck or Boost Rectifier R. Baharom and M.K. Hamzah
M180	A Hamiltonian State Space Formalism for Cylindrically Anisotropic Elasticity Hsi-Hung Chang
M182	Computer Implemented Model of Single Switched Single-Phase Parallel Active Power Filter R. Baharom, M. K. Hamzah, N.R. Hamzah, N.F. Nik Ismail and A.S. Abu Hasim
M185	A Study of Support Vector Regression for Surface Characteristics In-Process Optical Measurement Guo Ruipeng and Tao Zhengsu
M190	The Fast Preconditioned Landweber Iteration Algorithm for Grounding Grid Fault Diagnosis Yao Yao, Wanting Deng, Zhenhua Zhu and Tao Jin
M199	Remote Monitoring of Open Numerical Control System Chen Shuxin and Li PengFei

<b>12: 30 - 13: 30</b>	<b>Lunch Break</b>
------------------------	--------------------

**Morning, Aug. 3, 2010 (Tuesday)**

SESSION -7 (ICEIE)

Venue: Room G

Session Chair:

Time: 9:00 – 10:30

E215	A Effective Quality Improvement Approach for Low Quality Finger Vein Image Wei Pi, Jinook Shin and Dongsun Park
E1345	A Development of Mechanism for Reducing Snoring Ran Wei, Xing Li, Hee Sun Kim, Jae Joong Im and Hyun Jeong Kim
E184	Uses and Gratifications of Mobile Application Users Ho Hui-Yi and Syu Ling-Yin
E185	Computer Analysis and Classification of Learning Characteristics Zoubek Lukáš
E186	A Study of Applying Support Vector Machine and Genetic Algorithm to Software Reliability Forecasting Jung-Hua Lo

2010 IACSIT KYOTO CONFERENCES

E188	A Study of Through Silicon Via Impact to 3D Network-on-Chip Design Thomas Canhao Xu, Pasi Liljeberg and Hannu Tenhunen
E191	Automatic Detection of Electricity Pylons in Aerial Video Sequences Jittichat Tilawat, Nipon Theera-Umpon and Sansanee Auephanwiryakul
E192	Automatic Orchid Snail Detection For Computed Tomography Images Thitiporn Chanwimaluang, Wasin Sinthupinyo and Treepop Sunpetchniyom
E195	An Iterative Approach for Global Requirements Elicitation: A Case Study Analysis Nosheen Sabahat, Faiza Iqbal, Farooque Azam and Muhammad Younus Javed
E196	Conceptual Model of Valuation Effects Based On Inter-firm Relationship Lin Cheng, Huaiqing Wang and Huaping Chen
E199	Automated parametrization of custom search ranking functions Sandi Pohorec, Ines Čeh, Milan Zorman and Peter Kokol
E200	Use Behaviors and Website Experiences of Facebook Community Ho Hui-Yi and Pan Hung-Yuan
E201	Autonomous Decentralized Community Wireless Sensor Networks for Online Expansion Md. Emdadul Haque, Wei Fan, Yukihiro Fukunaga, Takehiro Gouda, Xiaodong Lu and Kinji Mori
E202	M-Logger Ankita Dash, Siddharth Bali and Sumiran Chugh
E204	Influence of Message Trust in Online Word-of-Mouth on Consumer Behavior – by the Example of Food Blog Ho Hui-Yi, Chang Chien Pi-Hsuan
E206	Fast Updating Algorithm for TCAMs using Prefix Distribution Prediction Parineeth M. Reddy
E207	Minimum Energy Broadcast in Multi-Channel Wireless Sensor network with Directional Antennas Ailian Jiang and Keming Xie
E210	On the clustering aspect of nonnegative matrix factorization Andri Mirzal and Masashi Furukawa

10: 30 - 10: 40	Coffee Break
-----------------	--------------

**Morning, Aug. 3, 2010 (Tuesday)**

SESSION –8 (ICEIE)

Venue: Room G

Session Chair:

Time: 10:40 –12:30

E214	Aligning Block Permutation Methods for Topology Transformation on Computational Grids Uei-Ren Chen and Woei Lin
E216	An Improved S-Box based Algorithm for Efficient Image Encryption SP.Venkatachalam, R.Vignesh and G.A.Sathishkumar
E217	Routing and Wavelength Assignment for an Agile Optical Network

2010 IACSIT KYOTO CONFERENCES

	Chunsheng Xin, George Hsieh and Xiaojun Cao
E218	Privacy Consideration for Trustworthy Vehicular Ad hoc Networks Shabnam Khomejani and Ali Movaghar
E220	BKQoS - A Business Knowledge-based QoS-Provisioning Framework Patrick-Benjamin Bok and York Tüchelmann
E222	Analysis of Information and Communication Technology Development Index (IDI) in Middle East Countries Mohsen Gerami
E227	STUDY : OSGI-based Intelligent Ride-share vehicle middleware Byung-Hyug Lee, Ka-Kyung Oh and Dong-Ryeol Shin
E237	An Image Encryption Algorithm Based on Adaptive Synchronization Between Two Different Chaotic Systems Chao-Jung Cheng and Chun-Kai Wang
E238	An Efficient Mapping Technique for Flash Memory Using Grouped Blocks Hyuk-In Kwon and Tae-Sun Chung
E239	Query Cost Estimation for Read Intensive Flash Memory Based Database Systems Surafel Teshome and Tae-sun Chung
E241	A Study of Developing Unmanned Vehicle Middleware using Simulator Hyung-Rok Seo, Tae-You Lee and Dong-Ryeol Shin
E244	A Development of Horizontal Transfer Robot for Horizontal Loading/Unloading of Container Young Jin Lee, S. H. Kim, H. S. Jeong, S. H. Hong, K. S. Lee, D. S. Han and G. J. Han
E246	A New Multimodal Recognition Technique Without Subject's Cooperation Using Neural Network Based Self Organizing Maps A. S. Raja and V. JosephRaj
E254	Multiple Description Video Coding approach based on analytical study of Distributed Source Coding Faiza Iqbal and Muhammad Younus Javed
E259	Link Adaptive Multimedia Encoding in Wireless Networks: A Survey of Theory and Approaches Tahira Sadaf, Saima Zareen, Faiza Iqbal, Ghalib A. Shah and Muhammad Younus Javed
E301	IT Governance Practices Model in IT Project Approval and Implementation in Malaysian Public Sector Siti Sarah Maidin and Noor Habibah Arshad
E264	A novel wireless interrogable mobile robot to monitor mixed air temperature in HVAC duct systems for thermal performance analysis Addwiteey Chrungoo, Mani Kaustubh, Swapnil Singh and Jai Parkash Godara

12: 30 - 13: 30	Lunch Break
-----------------	-------------

**Afternoon, Aug. 3, 2010 (Tuesday)**

SESSION – 9 (ICMEE)

Venue: Room F

Session Chair:

Time: 13:30 – 15:30

M200	Time Performance Research on Field Bus Based CNC System Chen Shuxin and An Bin
M204	Conceptual Design of Twin Rotors Flying Humanoid Robot Steered by CG Shifting Annop Ruangwiset
M210	The Study Reduction of Spring-back in U Bending Die Process Komgrit Lawanwong and Varunee Premanond
M212	Research of Integrated Fault Diagnosis for Condenser Based on Multiple Neural Networks and D-S Evidence Theory Peng Daogang, Zhang Kai, Zhang Hao and Huang Conghua
M213	Research on Fault Diagnosis for Turbines Based on BP Neural Network of Preserving Nonlinear and Quasi-Newton Algorithm Zhang Hao, Huang Conghua, Peng Daogang and Zhang Kai
M217	A Real-time Predictive Dynamic Control Strategy for the Small Wind Turbine System Based on CSI Mao Meiqin, Lai Jidong, Ming Ding, Liuchen Chang and Chem.V Nayar
M223	Neural Networks Control of Autonomous Underwater Vehicle Reza Amin, Amir A. Khayyat and Kambiz Gh. Osgouie
M225	Fabrication of Anodic Aluminum Oxide (AAO) Nano-Porous Membrane on Both Sides of Aluminum Sheet Ajab Khan Kasi, Jafar Khan Kasi, Nitin Afzulpurkar, Erik Bohez, Adisorn Tuantranont and Banchong Mahaisavariya
M230	Design and Fabrication of a Low-Power and Nanoporous Micro-Hotplate for Chemical Sensor Applications with High Sensitivity Sheng-Po Wu, Yong-Sheng Huang, Chih-Cheng Lu and Jen-Tzong Jeng
M232	An Investigation of Optical Properties of Titanium Oxide Nano Layers Haleh Kangarloo and Saeid Rafizadeh
M248	Intelligent Detection of Electrical Equipment Faults in the Overhead Substations based Machine Vision Abolfazl Rahmani, Javad Haddadnia, Alireza Sanai and Omid seryasat
M249	Multi-fault Diagnosis of Ball Bearing Using Intrinsic Mode Functions, Hilbert Marginal Spectrum and Multi-class Support Vector Machine O.R.Seryasat, M.Aliyari shoorehdeli, F.Honarvar, A.Rahmani and J.Haddadnia
M250	Intelligent Fault Detection of Electrical Equipment in Ground Substations Using Thermo Vision Technique Abolfazl Rahmani, Javad Haddadnia and Omid seryasat
M601	Development of Control System for Two Degree of Freedom Hydraulic Motion Base Mouftah M. Mohamed and Moussa A. Hamdan
M621	Redesign on Luminance Meter and Its Application on Energy Efficiency Inspection Liming Wu, Yanjun Shi, Hua Jiang and Ping Chen
M640	Prediction Model for Distribution of COD Concentration Using Singular Value Decomposition Mahsasadat Miralinaghi
M707	Relationship Study of Heart Rate and Systolic Blood Pressure for Healthy Peoples

**2010 IACSIT KYOTO CONFERENCES**

	N.H. Mahmood, N.A. Zakaria, S.N. Jalaludin and N.B. Sharifmuddin
M708	Pulse Wave Transit Time and its Relationship with Systolic Blood Pressure N.H. Mahmood, N.A. Zakaria, N.B. Sharifmuddin and S.N. Jalaludin
M710	Optimization and Exergy Analysis for Advanced Steam Turbine Cycle Yaser Sahebi and Babak Ghasemzadeh
M716	Exergy Analysis of Gas Turbine with Fogging Inlet Cooling Yaser Sahebi and Hasan Athari
M717	Prediction of Flow Filed over Half-Span Delta Wings Using Backpropagation Neural Network Sepideh Alibeigi and Seyed Hossein Sadati
M017	A Learning Automata-based Clustering Algorithm for Sensor Networks Jalil Jabari Lotf, Seyed Hossein Hosseini Nazhad Ghazani and Rasim M. Alguliev

<b>15: 30 - 15: 40</b>	<b>Coffee Break</b>
------------------------	---------------------

**Afternoon, Aug. 3, 2010 (Tuesday)**

SESSION – 10 (ICMEE)

Venue: Room F

Session Chair:

Time: 15:40 – 18:00

M226	Mechanical Design Six Sigma Platform for Integrated Quality and Reliability J. J. Wu, Y. Z. Wang, C. Y. Zhou and J. J. Shao
M254	Structural and Optical Properties of Titanium Oxide Films as a Function of Films Thickness Haleh Kangarloo and Saeid Rafizadeh
M259	Computer Simulation Design of Double-Layer Wideband Microstrip Antenna Yu Xinfeng, He Jianwei, Fang Xinbing and Pan Gaofeng
M260	A Study on the Improvement of Fan Module for Air Management System of Portable Fuel Cell Joo-Han Kim, Jung-Moo Seo, In Soung Jung and Nahm-keon Hur
M267	Application Research of Fuzzy Control Methods Used in Welding Robot Chen Hai-chu, Zhang Rui-hua, Luo Jinghua and Li Xiaopeng
M269	Analysis and Design of Roof Turbine Ventilator for Wind Energy Harvest Yung Ting, Hariyanto Gunawan, Amelia Sugondo, Kun-Lin Hsu and Jyh-Tong Teng
M278	Design of Direct and Indirect Wind Energy Harvest Systems Yung Ting, Hariyanto Gunawan, Amelia Sugondo and Kun-Lin Hsu
M292	Assessment of Fatigue Life for Small Composite Wind Turbine Blades Jia-Hroung Wu
M293	Protein Sensor for the Waste Dialysate Material Jafar Khan Kasi, Ajab Khan Kasi, Nitin Afzulpurkar and Naveed Sheikh
M294	Green Supplier Selection Consensus by Neural Network Chakthong Thongchattu and Sutasinee Siripokapirom
M295	Integrated Quality and Food Safety Management Model for Small Food Processing Industries: The Lower-Northern Region of Thailand Panu Buranajarukorn and Chakthong Thongchattu

2010 IACSIT KYOTO CONFERENCES

M296	A Review on Mathematical Description and Decomposition Algorithms of Freeform Optical Surfaces in Diamond Turning Xiaoqin Zhou and Jieqiong Lin
M297	A Novel Hybrid Control Strategy for Trajectory Tracking of Fast Tool Servo Xiaoqin Zhou, Zhiwei Zhu, Shaoxin Zhao and Dan Luo
M298	The Study of Influenced Factors Affecting to Quality of Cylindrical Grinding Harden AISI 4140 Steel Komson Jirapatarasilp, Sittichai Kaewkuekool and Peeranut Klahan
M299	A 1.5V High Linearity Down-Conversion Mixer for WiMAX Applications Hung-Che Wei, Ro-Min Weng and Jing-Chyi Wang
M307	Energy Efficiency Analysis of Wireless Sensors Used in Infrastructure Monitoring Jin Zhu, M.D. Salim and Pratiksha Holavannur
M309	Fuzzy Trajectory Tracking Control of an Autonomous Air Vehicle Touraj Soleymani and Fariborz Saghafi
M311	The Study of Influenced Factors Affecting to Quality of High Chromium Cast Iron Cylindrical Grinding Komson Jirapatarasilp, Sittichai Kaewkuekool and Prayoon Pongpal
M612	A Framework for Development of Cost-effective Irrigation Control System Based on Wireless Sensor and Actuator Network (WSAN) for Efficient Water Management Ghulam Ali, Abdul Wahid Shaikh, Aqeel-ur-Rehman and Zubair A Shaikh
M703	Speed Control of Induction Motor Using Fuzzy-PI Controller Divya Asija
M720	Energy Analysis for Wireless Sensor Networks Erfaneh Noroozi, Javad Kadivar and Samira Hasani shafiee
M811	The Design of Community Electronic Service based Security Monitoring System Ling Gao, Zhe Zhang, Hailin Xie and Qili Tao
M821	The Design of Micro-Acetylene Gas Sensor Zhuting Yao and Hongxia Pan
M824	THE PRINCIPLE OF “CONJUGATE OFFSET SURFACES” AND ITS APPLICATION IN 5-AXIS END MILLING MACHINING OF SCUPTRUED SURFACES Liu Huran
M825	The Machining Efficiency Comparison Between the UG Programming and the 2nd Order Local Contact Method in 5-axis NC Mill of Sculptured Straight Groove Liu Huran
M833	Linear Model Validation for Controlling a Multi Rollers High Speed Web System Nicola Ivan Giannoccaro, Tetsuzo Sakamoto and Takeshi Nishida

**Afternoon, Aug. 3, 2010 (Tuesday)**

SESSION –11 (ICEIE)

Venue: Room G

Session Chair:

Time: 13:30 – 15:30

E273	Analysis of Component Model by Kernel Structures
------	--

2010 IACSIT KYOTO CONFERENCES

	Tae-You Lee, Hyung-Rok Seo and Dong-Ryeol Shin
E277	Cluster-based Replication for P2P-based Video-on-Demand Service Chien-Peng Ho, Suh-Yin Lee and Jen-Yu Yu
E280	Computationally Efficient Coherent Correlator Design For DVB-S2 Receiver Vikas Agarwal, Pansoo Kim, Deock-Gil Oh, Do-Seob Ahn
E281	Fault-tolerant Data Storage in Wireless Sensor Networks Taehee Kim, Jung-Hun Kim, Hee Jeong, and Myeong Kyun Lee
E282	A New Lossless Watermarking Scheme Based On fuzzy integral and DCT domain Reza Mortezaei, Mohsen Ebrahimi Moghaddam
E286	Recurrent Neural Network for Solving Linear Matrix Equation Ali Madankan
E287	Study of Exponential Stability of Equilibrium Neural Networks Ali Madankan
E291	Track Initiation in Monostatic-bistatic Composite High Frequency Surface Wave Radar Network Based on NFE Model Zong Hua, Yu Changjun, Zhou Gongjian and Quan Taifan
E1306	The Feature Extraction and Dimension Reduction Research Based on Weighted FCM Clustering Algorithm Yuan-Haiying, Gao-Xuejin and Lei Fei
E1308	Two-Phase Packet Scheduling for UMTS High Speed Downlink Packet Access Tsan-Pin Wang and Wei-Han Tseng
E1311	Symmetric Self-Constructing Fuzzy Neural Network Beamformers Trained with Cluster-Based Minimum Bit-Error Rate Method Yao-Jen Chang and Chia-Lu Ho
E1312	Analysis and Measurement of Antenna Passive Intermodulation Lijia Chen, Shu Lin, Jinghui Qiu, Xin Wang and Shaowei Fan
E1313	Sharing and Integration of Profession Ontology by Web Service - An Example of Diabetes Care Jian-xun Chen, Shih-Li Su and Zong-long Chen
E1314	A Compariosn of Open and Closed Mobile Platforms Hee-Yeon Cho, Choon-Sung Nam and Dong-Ryeol Shin
E1330	Robust Tile-Based Texture Synthesis using Texture Element Gang Xu and Shuang Ma
E1335	Automated Recommendation of Initial Mass Positions for Mass Segmentation in Digital Mammograms Bong-ryul Lee, Jong-doo Lee and Myeong-jin Lee
E1335	Automated Recommendation of initial Mass Positions for mass segmentation in digital mammograms Bong-ryul Lee, Myeong-jin Lee and Jong-doo Lee
E1349	Comparison of Temporal Variability of Epileptic ECoG Signals Suparek Janjarasjitt and Kenneth A. Loparo
E1351	Intelligent Parking Method for Truck in Presence of Fixed and Moving Obstacles and Trailer in Presence of Fixed Obstacles --Advanced Fuzzy Logic Technologies in Industrial Applications

**2010 IACSIT KYOTO CONFERENCES**

	M. Sharafi, A.zare and S.Nikpoor
E1353	Efficient Uncompressed Video Communications using Multicarrier, Redundancy Exploitation and Low Density Error Correction Techniques
E1355	The Method on Compression Sampling and Reconstruction of Test Signal Yuan Haiying
E1356	Research on Regional Function Division of Land Use in Taiyuan City Tang Huaizhi, Wu Kening and Tang Min
E1360	Modeling of Path Loss Coefficient and Loss Due to Roof for a Indoor Wi-Fi System Mukesh Kumar Maheshwari

<b>15: 30 - 15: 40</b>	<b>Coffee Break</b>
------------------------	---------------------

**Afternoon, Aug. 3, 2010 (Tuesday)**

SESSION –12 (ICEIE)

Venue: Room G

Session Chair:

Time: 15:40 – 18:00

E1361	MEG and EEG Fusion in Bayesian Frame Sung Chan Jun
E1362	Study of the layout adjustment of basic farmland based on Geographic Information System a case study on Gao'an city Xu Yan and Wu Kening
E1364	Dynamic Service Management Technique for Various Context Information Doosung Min and Hongki Min
E1367	A Spatial Publish Subscribe Overlay for Massively Multiuser Virtual Environments Shun-Yun Hu, Chuan Wu, Eliya Buyukkaya, Chien-Hao Chien, Tzu-Hao Lin, Maha Abdallah, Jehn-Ruey Jiang and Kuan-Ta Chen
E1381	Study on the Problem of Routing, Wavelength and Time-slot Assignment toward Optical Time-slot Switching Technology Guangjun Shan, Junfeng Dai, Song Sun, Guangxi Zhu and Deming Liu
E1383	Failure Analysis of nxn Pads Array using Anisotropic Conductive Films(ACF) Chao-Ming Lin
E1387	A Fusion of Functional Networks and Type-2 Fuzzy Logic for the Characterization of Oil and Gas Reservoirs Fatai Anifowose and AbdulAzeez Abdulraheem
E1394	Model based Approach to Library Marketing -- An Application to Bookshelf Arrangement Problem -- Toshiro Minami
E1396	A New Method for Fuzzy Query Processing for Document Retrieval Based on GFNQMA Operators Shi-Jay Chen and Hung-Chin Chu
E1397	A New Method for Fuzzy Query Processing of Document Retrieval Based on Extended Fuzzy Concept Networks

2010 IACSIT KYOTO CONFERENCES

	Shi-Jay Chen and Hung-Chin Chu
E1398	Measure of Similarity Between Interval-Valued Fuzzy Numbers Based on Standard Deviation Operator Shi-Jay Chen and Hsiao-Wei Kao
E1399	A New Prioritized Information Fusion Algorithm Based on GMA Operators and Generalized Fuzzy-Number Similarity Measure Shi-Jay Chen and Hsiao-Wei Kao
E1404	A Novel Scheme for Sweat-Pore Extraction & Performance Evaluation on Multi-Core Zia Saquib and Santosh Kumar Soni
E326	Image Contrast Enhancement for Fracture Roentgenography Wei-Chun Lin, Jing-Wein Wang and Shu-Yuan Lin
E329	A Queuing Model for Health Centre Gaurav Agrawal
E358	An Agent-Based Experimental Model for Innovative Talent Management in Universities Qin Zheng and Sun Lei
E343	Empirical Aerodynamic Modeling for Robust Control Design of An Oceanographic Uninhabited Aerial Vehicle Li Meng, Liu Li and S.M. Veres
E384	Human Activity Recognition Based on Morphological Dilation followed by Watershed Transformation Method Muhammad Hameed Siddiqi, Muhammad Fahim, Sungyoung Lee and Young-Koo Lee
E391	An intelligent Tutoring System for C++ Kiran Mishra and R. B. Mishra
E394	Noise Filtering on Thermal Images Acquired by Modified Ordinary Digital Camera S. Ratna Sulistiyanti, Adhi Susanto, Thomas Sri Widodo and Gede Bayu Suparta
E398	A Monthly Brent Oil Price Forecasting Using Artificial Neural Networks And a Crisis Index A. Alizadeh and Kh.Mafinezhad
E421	Performance Evaluation of a wired Network With & Without Load Balancer and Firewall Sapna and Manju Sharma
E426	Image Denoising Based on Adaptive Sparse Representation Guodong Wang, Jinwu Xu, Jianhong Yang and Min Li
E432	A Density Based Clustering Approach for Early Detection Of Fault Prone Modules Parvinder S. Sandhu, Manpreet Kaur and Amandeep Kaur
E438	Modeling and simulation of the ramming system Zhuting Yao and Hongxia Pan
E445	Application of Patterns in Agent System Design Liu Zhongyuan and Wang Zhenxing
E338	Efficient Motion Re-estimation for H.264 B- and P-Frame Transcoding by using Maximun Likelihood Shian-Chu Huang, Cing-Ting Hsu and Mei-Juan Chen

## 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: 50 Minutes of Presentation 10 Minutes of Q&A

**Conference Secretariat Contact:**

ICMEE: [icmee@vip.163.com](mailto:icmee@vip.163.com)

ICEIE: [iceie@vip.163.com](mailto:iceie@vip.163.com)

IACSIT Section: 400-999-648 (中文咨询电话), +86-28-8652-8228 (International)

**Conference Venue:**

Kyoto International Conference Center (ICC Kyoto)

Takaragaike, Sakyo-ku, Kyoto 606-0001 Japan

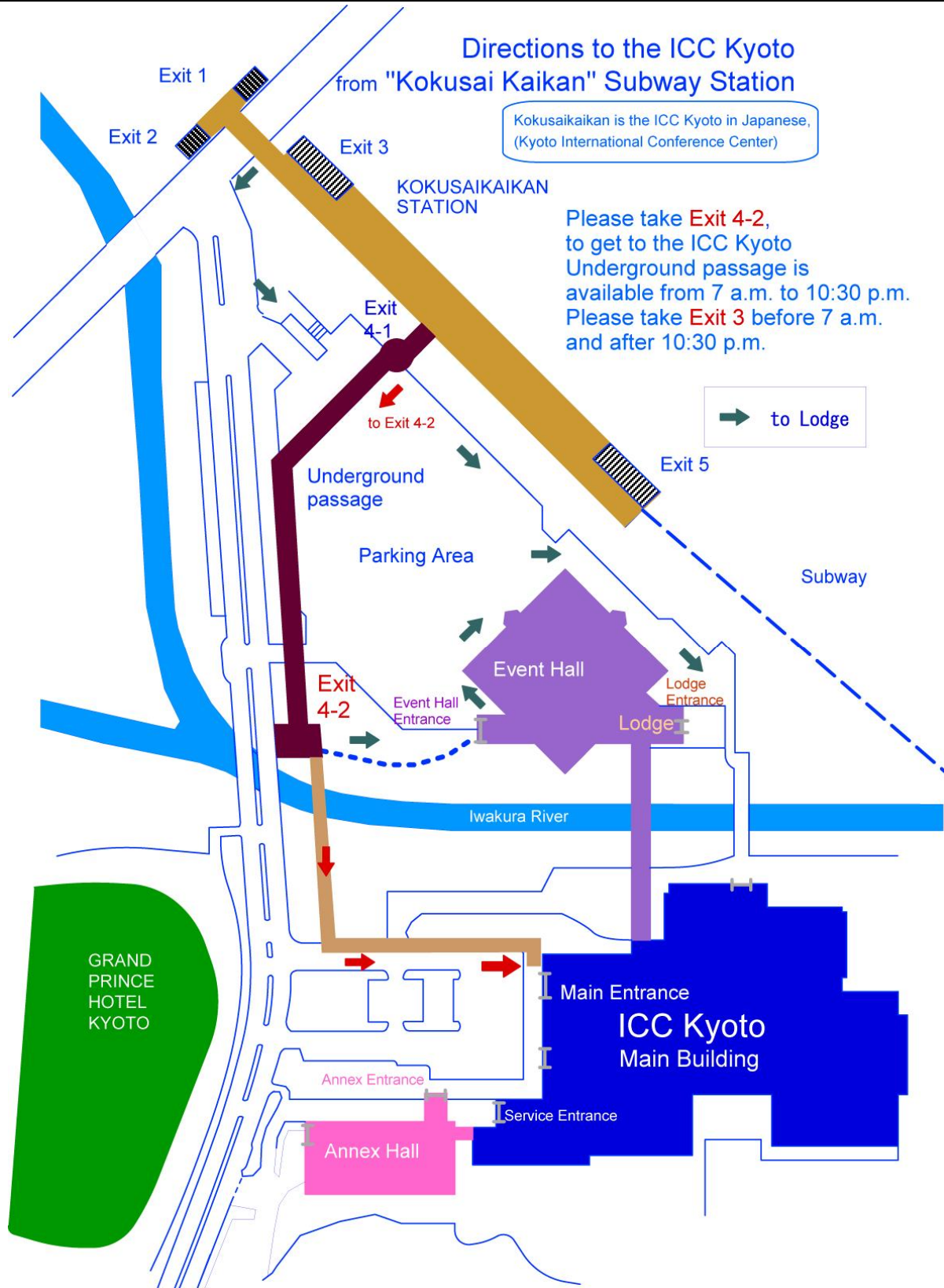
Phone: 81-75-705-1234 Fax: 81-75-705-1100

Affiliated International Associations: AIPC, ICCA, UIA

# ICC Kyoto Subway Line

Kyoto International Conference Center





### From Airport to Kyoto International Conference Center



- Airport Transport (Limousine Buses)
- MK Sky Gate Shuttle
- Yasaka Kansai Airport Shuttle