

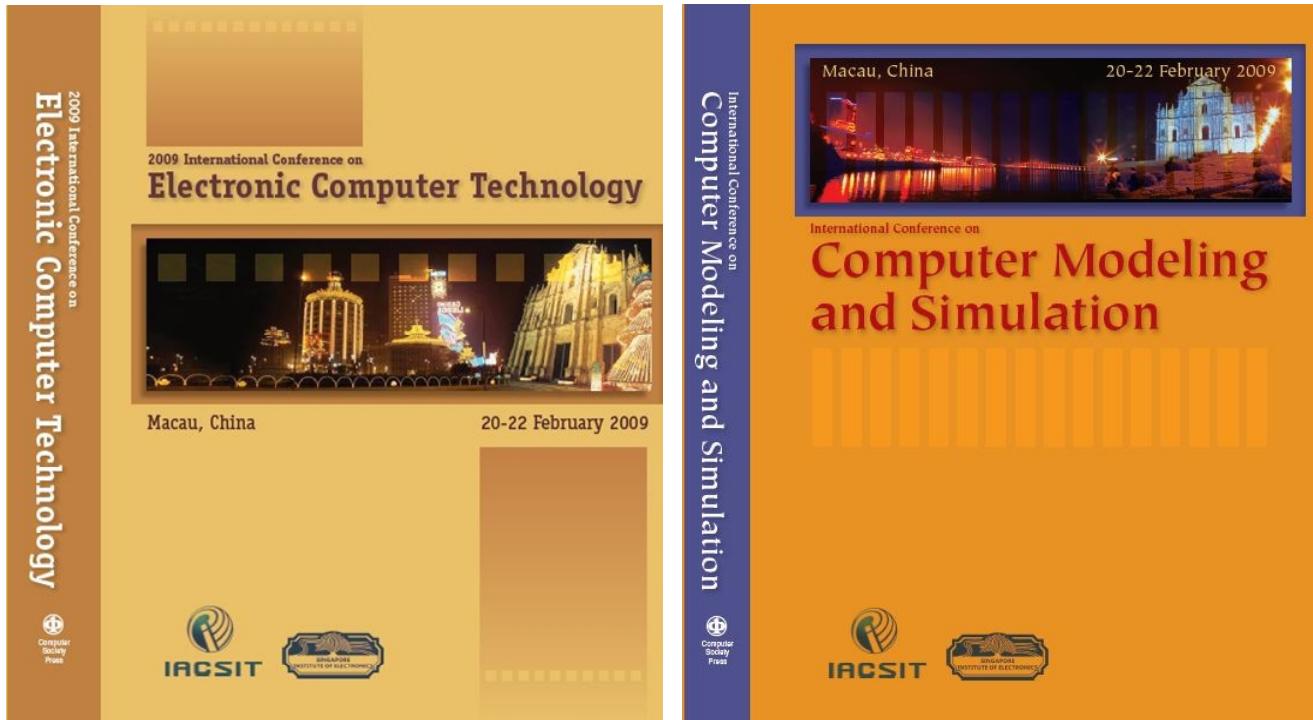
Conference Program Guide

2009 International Conference on Electronic Computer Technology (ICECT

2009) www.icect.org

2009 International Conference on Computer Modeling and Simulation (ICCMS

2009) www.iccms.org



February 20 - 22, 2009

Rio Hotel, Macau

Sponsored by



International Association of Computer Science & Information Technology (IACSIT)

Singapore Institute of Electronics (SIE)

CONFERENCE SCHEDULE

February 20, 2009 (Friday)

Main Hall of Rio Hotel

10: 00 - 18: 00	Arrival and Registration
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Note: You can also register at any time during the conference.

Morning, February 21, 2009 (Saturday)

08: 30 - 08: 45	Opening Remarks
08: 45 - 09: 30	Keynote Speech 1 Prof. Hj. Kamaruzaman Jusoff Yale University USA
09: 30 – 10: 15	Keynote Speech 2 HOD. Prof. Safaa S. Mahmoud Ain Shams University, Egypt
10: 15 - 10: 45	Taking Photo & Coffee Break One Day Tour Registration
10: 45 - 11: 30	Keynote Speech 5 Prof. Venkatesh Mahadevan Swinburne University of Technology, Australia
11: 30 - 12: 15	Keynote Speech 6 Prof. M. Nasseh Tabrizi East Carolina University, USA

12: 15 - 13: 30	Lunch Break
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Afternoon, February 21, 2009 (Saturday)

SESSION – I

Chair: Prof. Dong-Chul Park

Time: 13:30 – 15:30

NO.	Paper Title and Author Name
S101	Reduction of Noise in Image Data Using Spatial Constraints-based Centroid Neural Network Dong-Chul Park
S102	Task Based Automatic Examination System for Sequenced Test Song Luo, Jianbin Hu and Zhong Chen
S103	Load Balance Scheduling Algorithm for CMP Architecture Qingsong Shi, Tianzhou Chen, Wei Hu and Changbin Huang
S104	Integer Linear Programming in Designing Universal Arrays with Multiplexed Applications Atif Rahman, Mahmuda Naznin and Masud Hasan
S105	An Ant-Based Research on RWA in Optical Networks Yan-lei Zheng, Wei-hua Lian and Ru Wang

S106	Classification of Video Data Using Centroid Neural Network with Bhattacharyya Kernel Dong-Chul Park and Yunsik Lee
S107	Improving Locality of BitTorrent with ISP Cooperation Ruan Binbin, Xiong Wei and Liu Xin
S108	Modeling Internet Link Delay based on Measurement Zhang Hongli, Liu Ying, Zhang Yu
S109	Portscan Detection based on Per-flow Packet Count and Entropy Xuyang Zhu, Hai Zhang, Wenming Guo
S110	Prediction of Time Series Data Using Multiresolution-based BiLinear Recurrent Neural Network Dong-Chul Park
S111	Numerical Analysis of Two-bundled Conductor Aeolian Vibrations with Spacer Dampers Kong Deyi, Li Li, Long Xiaohong
S112	Development of a Movable Service Robot with Double Working Arms for the Elderly and the Disable Zheng Jianyong, Liu Yang, Zhang Zhisheng, Shi Jinfei
S113	A New Model and Implementation Mechanism of Mobile Instant Messaging Services Yunxiang Gao, Chuangbai Xiao
S114	Web Page Personalization based on Weighted Association Rules Rana Forsati and M.R Meybodi
S115	Towards Formal Verification of ASIP based on HDPN Yanyan Gao, Xi Li and Hongxing Ma
S116	RIDS: An Instant Approach to Network Intrusion Detection and Prevention Martuza Ahmed, Rima Pal, Md. Mojammel Hossain, Md. Abu Naser Bikas, Md. Khalad Hasan
S117	Grey Predication of Corrosion on Oil Atmospheric Distillation Equipment Zhengfang Wang, Yong Wang and Jian Zhang
S118	Mining Microsatellites in Paracentrotus.lividus and Aplysia. californica Unigenes Zhenlin Wei, Xiaolin Liu and Yaqing Chang
S119	Use of Neural Networks in Damage Detection of Structures Lin Niu and Liaoyuan Ye
S120	A Novel Two-port Model for Interconnect Lines Driving Arbitrary Loads Wenjun Zhang

15: 30 - 15: 45	Coffee Break
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Afternoon, February 21, 2009 (Saturday)

SESSION – II

Chair: Prof. Safaa S. Mahmoud

Time: 15:45 - 17:45

NO.	Paper Title and Author Name
S201	Optimized Parallel Implementation of Gillespie's First Reaction Method on Graphics Processing Units Cristian Dittamo and Davide Cangelosi
S202	Surrogate Models for Shape Optimization of Underwater Glider Gu HaiTao, Hu ZhiQiang, Yu JianCheng and Lin Yang
S203	Modeling & Simulation of UAV Trajectory Planning on GAs

	Chen Zhiqiu, LIU Yun, LUO Jianjun and JIANG Hong
S204	Modeling and Simulating a Mathematical Tool for Multi-robot Pattern Transformation Blesson Varghese and Gerard McKee
S205	Numerical Simulation of the Fan Cooling Effect on a 10000t/d Cement Rotary Kiln Dou Haijian, Chen Zuobing and Xiao Jiayun
S206	Motion Detection Based On Background Modeling And Performance Analysis For Outdoor Surveillance Tianci Huang, Jingbang Qiu, Takahiro Sakayori, Satoshi Goto and Takeshi Ikenaga
S207	Edutainment - Thai Art of Self-Defense and Boxing by Motion Capture Technique Suwichai Phunsa, Nawuttagorn Potisarn and Suwich Tirakoat
S208	Empirical Analysis on the Volatility Transmission of RMB Exchange Rate Under the 2007 Subprime Crisis Jiapeng Zhang and Ridong Hu
S209	A New DCT-Domain Distortion Model for MB-Level Quality Control He Xun, Chen Xianmin, Liu Peilin and Goto Satoshi
S210	Traffic Assignment Model Considering Emission based on Path-based Solution Algorithm: Comparison and Discussion Ming-Wang Dong and Wei Xiong
S211	Implementing an Intuitive Reasoner for Predicting Continuous Weather Variables Yung-Chien Sun, Grant Clark
S212	Semi-physical Simulation Research of the Antenna Acquiring and Tracking System without Turn Tables Kun Zhai, Hexi Baoyin and Xi Qu
S213	Research on Processes Simulation and Reconfiguration for Piston Production Lines Jun Zhou, Shuchun Zhao, Puhong Li, Hao Zhou, Qinyuan Zhang and Zihe Shang
S214	Modeling and Simulation for Fuel Cell-Battery Hybrid Electric Vehicle Qian Ning, Young-bae Kim, Dong-ji Xuan and Yang-hai Nan Sichuan University
S215	Usability Measurement Using a Fuzzy Simulation Approach Lu Liang, Xiaoling Deng and Yong Wang
S216	Modeling and Consistency Checking Based on Category for Web Navigation Behavior Xinlin Zhang
S217	An Agent- based Semantic Web Service Discovery Frame Azadeh Ghari Neiat and Mehran Mohsenzadeh
S218	Image Encryption Algorithm Based on S-Boxes Substitution and Chaos Random Sequence De Wang and Yuan biao Zhang
S219	Numerical Study of the Coupled Flow Field in a Double-spray Calciner Dou Haijian, Chen Zuobing and Huang Jiquan
S220	A Macroblock-Level Rate Control Algorithm for H.264/AVC Video Coding with Context-Adaptive MAD Prediction Model Wu Shuijiong, Huang Yiqing and Ikenaga Takeshi

Morning, February 22, 2009 (Sunday)

SESSION – III

Chair: Prof. K.S. Cheung

NO.	Paper Title and Author Name
S301	Framework of an E-Learning Environment in Continuing Education Institutions K.S. Cheung
S302	Distributed Coordination of Autonomous Self-Organizing Agents Based on Circle-Forming Shumin Zhou
S303	Image Denoising by Improving Threshold Function Based on the Dyadic Wavelet Transform Huang Zhenghong and L. Xia
S304	Computational Prediction of Abiotic Stress Responsible MicroRNAs in Vitis vinifera Genome Zhenlin Wei
S305	DSP Induction Motor Controller Based Voltage/frequency Liu Jing and Saad Mekhilef
S306	SCADA-based Automatic Control System for Radon Chamber Shumin Zhou
S307	A New Symmetric Key Encryption Algorithm based on 2-d Geometry Mohammad Jabed Morshed Chowdhury
S308	Cable Tension Sensor Based on Magnetoelastic Effect Sun Zhiyuan, Zhang Yufeng
S309	Full Order Models and Simulation of Boost Converters Operating in DCM Xin Cheng, Guangjun Xie
S310	Design of A Large Aperture Compact Corrugated Horn Hong Tao, Zhao Jingcheng, Guo Heng, Xue Minghua
S311	Iris Recognition System Using Statistical Features for Biometric Identification Khin Sint Sint Kyaw
S312	Application of Neural Network Dynamic Inversion Control Arithmetic He Guang-lin, WU Guo-hui
S313	Numerical Modelling for Designing Tunnel Support in Heavily Jointed Rock Ke-Ping Zhou, Ming Xia
S314	The Design & Application of Xen-based Host System Firewall and its Extension Fagui Liu, Xiang Su and Wenqian Liu
S315	Design of a Scan Converter Using the Inverse Square Law reparation Ming-Chieh Tsai and Chia-Sheng Tsai
S316	A New Artificial Intelligent Information Retrieval Methods Liu Yong-min, Jiang Xin-hua, Nian Xiao-hong, Lu Wu-yi, Yang Sheng-yue
S317	Training One-class Support Vector Machines in the Primal Space Wang Lei
S318	Distributed Control of Multi-robot Formation Based on Spatially Interconnected Model Hui Li, Qinghe Wu and Huang Huang
S319	The Application of Genetic Algorithm in Embedded System Hardware-software Partitioning Zhang Yan

10: 15 - 10: 30

Coffee Break

Morning, February 22, 2009 (Sunday)**SESSION – IV**

NO.	Paper Title and Author Name
S401	Designing Verifiable and Reusable Data Access Layer Using Formal Methods and Design Patterns Faheem Sohail, Farooq Farooq Zubairi, Nabeel Sabir and Nazir Zafar
S402	Simulation and Analysis of Electrical Discharge Machine Based On Virtual Prototype Xiaobo Lou, Baorong Qin and Chun Zheng
S403	Real-Time Complex Object 3D Measurement Zhongwei Li, Yusheng Shi and Congjun Wang
S404	Multiresolution Animated Models Generation Based on Deformation Distance Analysis Shixue Zhang and Enhua Wu
S405	Formal Verification of Out-of-order Processor Yanyan Gao and Xi Li
S406	Advanced Planning for Multi-Product across a Supply Chain Ruedee Masuchun and Wiboon Masuchun
S407	Numerical Simulation for the Deformation and Stability of Large underground Stope after Excavation Qing Du-gan, Liu Qun-yi, He Xian-qi, Zhu Zi-qiang
S408	UDEC-based Stability Analysis of Goafs in Fragment Ore Section Chen Qingfa, Zhou Keping, Long Tengteng, Hu Jianhua Wang Dan
S409	Virtual Prototype Modeling and Fast Dynamic Simulation of the Complete Integrated Sea Trial System for Deep-Ocean Mining Yu Dai, Shaojun Liu, Xiren Cao, Li Li, Yan Li, Gang Wang
S410	Simulation of Network Traffic using Self-adaptation Scheme Chia-Sheng Tsai and Sh-Bin Cheng
S411	Numerical Simulation for the Interaction between Soil and Cable in Deep Foundation Pit Qing Du-gan, Liu Qun-yi, He Xian-qi, Zhu Zi-qiang
S412	Data Interactive Technique in Pro/E HyperMesh and ANSYS and Its Application in Structural Analysis Yahong Sun, Zuobing Chen, Qitao Hu
S413	Finite Element Analysis of $\Phi 2.8 \text{ m} \times 5.75 + 2.25 \text{ m}$ Coal mill Chen Zuo-bing, Zeng Fang, FanTao, Huang Ji-quan
S414	Analysis Air Traffic Flow Control through Agent-based Modeling and Simulation Wang Chao, Ge Jing, Xu Xiaohao
S415	Object-Oriented Finite Element Analysis to Simulate Microindentation of Thermal Sprayed MAX-phase coatings J.Jiang, P.Nylén
S416	Study on Current Control Strategy for Two-Stage Matrix Converter (TSMC) fed Induction Motor Using Complex Vectors Zhiyong Chen, Wenlang Deng
S417	Study on Key Problems in Multi-stage Deep Drawing Numerical Simulation of Ultra-thin Sheet Langui Xu, Feng Ruan
S418	Modeling for Desertification Evolution Based on GIS with Cellular Automata Model Ding Huo-ping, Chen Jian-ping, Wang Gong-wen
S419	Airspace Capacity Management under Coupling Constraints between Airspaces

Morning, February 22, 2009 (Sunday)

SESSION – V

Chair: Prof. Kao-Feng Yarn

Time: 13:30 - 15:30

NO.	Paper Title and Author Name
S501	Novel Solar Cell Structure by Coating Surface Gratings Kao-Feng Yarn, Tsung-Chan Cheng, Wen-Chung Chang and Wei-Ching Chuang Far East University
S502	Lead-Acid Battery Monitoring System by Using PC Graphic Control Wen-Bin Lin, Kao-Feng Yarn, Tsung-Chan Cheng, Shiang-Xuan Chen and Sen-Ho Wang
S503	Underdetermined Blind Source Separation Based on Sparse Component Mingrong Ren and Pu Wang
S504	Grey Decision on Oil Distillation Tower Top Exchangers Maintenance Overhaul Zhengfang Wang, Yong Wang and Yiyuan Cheng
S505	A Latent Semantic Analysis Based Method of Getting the Category Attribute of Words Zongli Jiang and Changdong Lu
S506	A New Method for Optical Vector-Matrix Multiplier Mei Li
S507	Speech Recognition Using Zero-Crossing Features Yin Yin Aye
S508	A Balanced Energy Consumption Routing with Receiving Cost for Wireless Sensor Networks Yuyao He, Xue Li and Shiyan Xu
S509	Study on Extend Kalman Filter at Low Speed in Sensorless PMSM Drives Gu Shan-mao
S510	Multi-Focus Image Fusion based on Stationary Wavelet Transform and extended Spatial Frequency Measurement Wirat Rattanapitak, Pusit Borwonwatanadelok and Somkait Udomhunsakul
S511	Selection of Wavelet Filters for Panoramic Dental X-Ray Image Compression Pusit Borwonwatanadelok, Boonchana Purahong and Somkait Udomhunsakul
S512	H.264-Based Multiple Security Levels Net Video Encryption Scheme Yan Li, Mian Cai, Feng Tang and Lei Yan
S513	Application of Chinese Word Segmentation Based on Linguistic Environment Analysis in Text Information Filtering System Zhi-an Yi, Jia Lv
S514	The Unemployment Rate Forecast Model Basing on BP Neural Network Guangming Wang, Xiangna Zheng
S515	Fine-Grained Protein Mutation Extraction from Biological Literature Rui Wang, Shirley W. I. Siu and Rainer Bockmann
S516	A Distributed Target Tracking Algorithm based on Asynchronous Wireless Sensor Network Xue Hao, Wan Jiangwen, Chen Bin
S517	Reliable Data Delivery Algorithm based on Differentiated Service in WSNs

	Zhou Xin-lian
S518	Design and Application of Communication Gateway based on FlexRay and CAN Li Hui, Zhang Hao, Peng Daogang, Huang Wen
S519	An Improved AODV Routing Protocol Based on Remaining Power and Fame Daming Feng, Jing Xu, Yanqin Zhu
S520	Simulation and Analysis of Protocols in Ad Hoc Network Runcai Huang, Yiwen Zhuang and Qiying Cao

15: 30 - 15: 45	Coffee Break
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Morning, February 22, 2009 (Sunday)

SESSION – VI

Chair: Prof. Dong-Min Woo

Time: 15:45 - 17:45

NO.	Paper Title and Author Name
S601	Detection of Shadow Mask Defects Using Periodic Hole Placement Dong-Min Woo
S602	A Novel Composite Camera Calibration Method and its Application in Vehicle Impact Experiment Xiang Liu
S603	Ting Shen and Cungen Cao. A New Type of Covering Approximation Operators Mingfen Wu, XianWei Wu, Ting Shen and Cungen Cao
S604	Reliability and Dependability Analysis for Agent-Based Reliability Enhancement Technology (ARET) System Qiang Guan and Seung-Soo Han
S605	The Development of Road Lighting Intelligent Control System Based on Wireless Network Control Li Long, Chu Xiumin, Wu Yong and Wu Qing
S606	An Unmanned Surface Vehicle for Multi-mission Applications Jianhua Wang, Wei Gu and Jianxin Zhu
S607	Transformer fault portfolio diagnosis based on the combination of the multiple Bayesian classifier and SVM Zhang Bin, Zhu Yongli, Zhao Wenqing and Zhou Yamin
S608	Generation of 3D Building Model Using 3D Line Segments Dong-Min Woo
S609	Generation of 3D Line Segment Based on Disparity Data Dong-Min Woo
S610	Research and Development of the Remote I/O Data Acquisition System Based on Embedded ARM Platform Daogang Peng, Hao Zhang and Kai Zhang
S611	Adjust ELF format for Multi-core Architecture Wei Hu, Tianzhou Chen, Nan Zhang and Jijun Ma
S612	Parallel Integer Motion Estimation Method by Using Reference Blocks Shared for HD Video Encoding JinSeon Youn, JunRim Choi and Seung-Soo Han

S613	Proving of the Non-recursive Algorithm for 4-Peg Hanoi Tower Jun Wang, Hong-fa Wang, Guo-ying Yue, Nan Xie
S614	A method using Genetic Algorithm to Optimize Neural Networks applied in Sustainable Development Ability Appraisal Zeng Meng-jia, Cheng Zhao-lin
S615	Design of a Low-power Voltage Reference Based on Subthreshold MOSFETs Guang-jun Xie, Chang-xuan Zhang, Yuan-yuan Zhou
S616	A low-power high-throughput deblocking filter architecture for H.264/AVC NamThang Ta, JinSeon Youn, HuiGon Kim, Seung-Soo Han and JunRim Choi
S617	The J-TEXT Tokamak Control System Zhoujun YANG, Ge ZHUANG, Xiwei HU, Ming ZHANG, Shengshun QIU
S618	Approach to Evidence Combination based on Rough Set Han Li, Shi Li-ping
S619	Multi-Airport System Simulation and Optimization Research Gao Wei, Xu Siying

February 23, 2009 (Monday)

Free One Day Tour of Macau
Please register at the registration counter.





Instructions for Presentations

Oral Presentation

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: 40 Minutes of Presentation 5 Minutes of Q&A

Rio Hotel Information

<http://www.riomacau.com/>



Furnished as a royal Italian Palace, Rio hotel is one of the most esteemed names in Macau where every detail is being designed with your enjoyment in mind. From elegant rooms and suites, to non-stop gaming action, varieties of recreational facilities and a world of tantalizing taste treats – it's all here at the Rio.

Situated in the heart of Macau, Rio Hotel is a 4-star hotel that offers 449 well-furnished guest rooms, including 64 Suites and one superb Presidential Suite. With just 10-minute walking distance to the Hong Kong-Macau Ferry Terminal and 15-minute from Macau International Airport by car, Rio Hotel provides guests with the most convenient connections to major tourist sightseeing spots, business zones as well as recreational districts. All hotel rooms are equipped with hi-tech facilities such as broadband Internet access for speedy communications and LCD television.

Hotel guests can choose from Rio's four food & beverage outlets, offering Chinese, Western and Japanese dining options. The hotel also offers the convenience of 24-hours room service.

At Rio, we offer you the best experience with our world-class leisure and entertainment facilities including casino, night club, sauna & spa, gymnasium, and indoor heated swimming pool.



Address and Contact Information

Rua de Luis Gonzaga Gomes 33, Macau

Tel: (853) 28718 718

Fax: (853) 28718 728

Email: info@riomacau.com

Reservations and Enquiries:

Tel: (853) 28718 766

Fax: (853) 28718 799

Email: reservation@riomacau.com