

2010 IACSIT SINGAPORE CONFERENCES

SCHEDULE

- 2010 The 2nd International Conference on Computer and Automation Engineering (ICCAE 2010)
- 2010 The 2nd International Conference on Digital Image Processing (ICDIP 2010)
- 2010 The 2nd International Conference on Communication Software and Networks (ICCSN 2010)
- 2010 International Conference on Nanotechnology, Optoelectronics and Photonics Technologies (NOPT 2010)
- The 2010 International Conference on Electrical and Energy Systems (ICEES 2010)
- 2010 International Conference on Industrial and Logistics Technology (ICILT 2010)
- 2010 International Conference on Fluid Dynamics and Thermodynamics Technologies (FDTT 2010)

Suntec Singapore International Convention & Exhibition Centre

Singapore

Feb 26 - 28, 2010

Co-Sponsored by



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Feb 26, 2010 (Friday)**Meeting Room 321**

10: 00 – 12: 30	Arrival and Registration
13: 30 - 17: 00	

- Note:** (1) You can also register at any time during the conference.
(2) Certificate of Participation can be collected at the registration counter.
(3) Please copy PPT files of your presentation to the secretary when registration.
(4) The organizer won't provide accommodation, and we suggest you make an early reservation.
(5) Please register the Singapore One Day Tour at the registration desk.

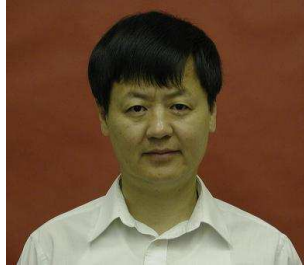
Morning, Feb 27, 2010 (Saturday)

Venue: Gallery West (Level 3)

8: 45 - 09: 00	Opening Remarks
9: 00 - 9: 40	Plenary Speech 1 IEEE Fellow, Prof. Gary G. Yen Oklahoma State University, USA
09:40 - 10:20	Plenary Speech 2 IEEE Fellow, Prof. Wang Jun The Chinese University of Hong Kong, Hong Kong
10:20- 10: 40	Taking Photo & Coffee Break
10:40 - 11:20	Plenary Speech 3 IEEE Fellow, Prof. Sam Shuzhi Ge The National University of Singapore, Singapore University of Electronic Science and Technology of China, China
11:20-12:00	Plenary Speech 4 IEEE Fellow, Prof. Charles M. Falco University of Arizona, USA

12: 00 - 13: 30	Lunch Break Gallery West
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Speaker of the Plenary Speech I



IEEE Fellow, Professor Wang Jun
The Chinese University of Hong Kong

- Professor, The Chinese University of Hong Kong, Hong Kong, 2002 to present.
- Associate Professor, The Chinese University of Hong Kong, Hong Kong, 1995 to 2001.
- Associate Professor, University of North Dakota, Grand Forks, North Dakota, USA, 1993-1997.
- Assistant Professor, University of North Dakota, Grand Forks, North Dakota, 1990-1993.
- Associate Editor, IEEE Transactions on Neural Networks, 1999 to present.
- Associate Editor, IEEE Transactions on Systems, Man, and Cybernetics - Part B: Bybernetics, 2003 to present.
- Associate Editor, IEEE Transactions on Systems, Man, and Cybernetics - Part C: Applications and reviews, 2001-2005.
- Member of Editorial Advisory Board, International Journal of Neural Systems, 2006-2008.
- Guest Co-editor, special issues in European Journal of Operational Research(vol. 93, no. 2, 1996), International Journal of Neural Systems (vol. 17, no. 6, 2007), and Neurocomputing (vol. 71, nos. 16-18., 2008).
- Various positions at numerous international conferences such as ISNN2004, ISNN2005, IROS2005, ISNN2006, WCCI2006, ICONIP2006, and WCCI2008.
- Past President of the Asia Pacific Neural Network Assembly (APNNA).

Speaker of the Plenary Speech II



IEEE Fellow, Prof. Sam Shuzhi Ge
Department of Electrical & Computer Engineering
The National University of Singapore, Singapore
University of Electronic Science and Technology of China, China

- Book Editor, Taylor & Francis/CRC Press Automation and Control Engineering Series,

2006-Present.

- Associate Editor, IEEE Transactions on Automatic Control (a flagship in control theory), 1 January 2004- March 2006.
- Associate Editor, IEEE Transactions on Control Systems Technology (a flagship in control applications), 1999 - 2006.
- Corresponding Editor for Asia and Australia, IEEE Control Systems Magazine (a flagship in control education), 2004-Present.
- Associate Editor, IEEE Transactions on Neural Networks (a flagship journal in neural networks), 2004-Present.
- Associate Editor, Automatica (a flagship journal of International Federation of Automatic Control (IFAC)), 2004-Present.
- Editor at Large for Asia and Oceania, Journal of Intelligent and Robotic Systems, May 2006-.
- Editor, International Journal of Control, Automation, and Systems (IJCAS), Korea, 2003-Present.
- Associate Editor, Transactions Institute of Measurement & Control, 2007-Present.
- Editorial Board Member, International Journal of Intelligent Systems, Technologies and Applications, Inderscience, UK, 2006-Present.
- Associate Editor, Journal of Control Theory and Applications, China, 2003–Present.
- Technical Editor, International Journal of Information Acquisition (IJIA), World Scientific, 2003-Present.
- International Members of the Editorial Committee, Chinese Journal of Aeronautics, 2007–Present.
- International Members of the Editorial Board, CAAI Transactions on Intelligent Systems, 2007–Present.
- Associate Editor, Conference Editorial Board, IEEE Robotics and Automation Society, 2006-Present.
- Guest Editor, special issue on Recent Advances in Power System Control for the International Journal of Control, Automation, and Systems, Vol. 3, No. 2, June 2005.
- Guest Editor, Special issue on Recent Advances and New Directions in Switched Control Systems, Journal of Control Theory and Applications, China, 2006.
- Guest Editor, Special Issue on Large Scale Pattern Recognition and Distributed Intelligent Systems, International Journal of Intelligent Systems Technologies and Applications, 2006.
- Associate Editor, Institute of Engineering, Singapore, 2001.
- Associate Editor, Conference Editorial Board, Control Systems Society, IEEE, 1998 – 1999, and IEEE Conference on Decision and Control, 2003.

Speaker of the Plenary Speech III



IEEE Fellow, Prof. Gary G. Yen
Oklahoma State University, USA

Speaker of the Plenary Speech IV



SPIE, APS, OSA and IEEE Fellow, Prof. Charles M. Falco
University of Arizona, USA

Charles M. Falco (born August 17, 1948) is an American experimental physicist and an expert on the magnetic and optical properties of thin film materials.[1] He earned his Ph.D. at the University of California, Irvine in 1974 and spent the next eight years at Argonne National Laboratory before joining the University of Arizona in 1982 as a Professor of Optical Sciences. In 1989 he received the Alexander von Humboldt Foundation Senior Distinguished U.S. Scientist Award, and in 1998 was awarded the UA Chair of Condensed Matter Physics. Falco is a Fellow of the American Physical Society, the Institute of Electrical and Electronics Engineers, and the Optical Society of America, has published more than 250 scientific manuscripts, most of which are related to physical properties of materials produced by Molecular Beam Epitaxy (MBE), co-edited two books, has seven U.S. patents, and has given more than 250 invited talks on his research at conferences and research institutions in 23 countries.

In addition to his scientific research, in 1971 Falco was one of three participants in Chris Burden's performance art piece '220', and since 1985 his photography has been represented by the agency PhotoResearchers.[2] In 1998 Falco was co-curator of the Solomon R. Guggenheim Museum's "The Art of the Motorcycle," for which he also wrote the exhibition catalog's introductory essay and bibliography. With over 2 million visitors in New York, Chicago, Bilbao, Spain and the Guggenheim Las Vegas, it was the most successful exhibition of industrial design ever assembled, and one of the most attended museum exhibition of any kind.[3] For this work he received an award from the International Association of Art Critics, along with architect Frank Gehry, museum director Thomas Krens, and filmmaker Ultan Guilfoyle. In 1999 Falco was a technical advisor for the Nam June Paik retrospective at the Guggenheim.

In 2000 Falco began collaborating with the British-American artist David Hockney, resulting in their discovery of scientific evidence in paintings made as early as c1430 that demonstrated portions of them were created with the aid of optical projections. Hockney's 2001 book *Secret Knowledge* resulted in widespread coverage of the "Hockney-Falco Thesis" in the popular media, including an hour-long BBC special and a segment on the CBS show *60 Minutes*. In 2008 Falco gave the National Art Education Association's 'Ziegfeld Lecture', awarded for his role in this discovery, and for its importance for art

education.

Speaker of the Plenary Speech V



Prof. R. K. Sinha, Head (Applied Physics), Dean (Industrial Research & Development) & Chief Coordinator-TIFAC - Center of Relevance and Excellence (CORE) in Fiber Optics and Optical Communication (Mission REACH project, Technology Vision-2020, Govt. of India) Delhi Technological University (Formerly Delhi College of Engineering), India

R. K. Sinha received M. Sc. degree in physics from the Indian Institute of Technology (IIT), Kharagpur, India, in 1984, and Ph.D. degree in Fiber optics and Optical communication from the IIT, Delhi, India, in 1990. During 1989–1991, he was a Postdoctoral Research Student at Osaka University for Foreign Studies, Osaka, Japan, and Electronics Engineering Department, Kobe University, Japan. He is currently a Professor, Head of Applied Physics Department, Chief Coordinator of the Technology Information, Forecasting and Assessment Council (TIFAC)–Centre of Relevance and Excellence (CORE) in Fiber Optics and Optical Communication and Dean (Industrial Research & Development), Delhi Technological university (Formerly known as Delhi college of Engineering, University of Delhi), Delhi. He is the author or co-author of more than 125 research publications in the leading national and international journals and conference proceedings. He has also held visiting scientist appointment at ICTP-Italy in 1991 and University of Campinas, Brazil in the year 1995. Prof. R. K. Sinha was awarded the Emerging Optoelectronics Technology Award [(CEOT-IETE, India)]-2006 for outstanding research work in the area of Nanophotonics, S. K. Mitra Memorial Award for in Best Research Paper in IETE Technical Review 2002 on Nanostructure Electron Waveguides and Devices and Swarna Jayanti Puraskar (Gold Medal) from the National Academy of Science for best co-authored research paper in the area of Nano scale Optical Devices for the year 2001. Professor Sinha had been academic visitor of several universities of USA, UK and Japan. Later in the year 2006, Professor Sinha was awarded “Project Formulation Grant” from British Council of India to initiate collaborative research between leading university of UK and his organization, DCE (now DTU) Delhi. He has also been awarded the Japan Society for Promotion of Science (JSPS) Invited Fellowship- 2007 to carryout research work on Multicore Photonic Crystal Fibers at Hokkaido University, Sapporo, Japan and the Royal Academy of Engineering (U.K.-India short-term exchange) Fellowship-2008 to carry out research on Photonic Crystal Waveguides and Devices at Glasgow University, UK, Indo Swiss Bilateral Research fellowship-2009 to initiate collaborative research in the area of Nano photonic Devices with EPFL Switzerland and DTU, Delhi, India and National Science Council Taiwan Fellowship-2009 to pursue collaborative research and deliver invited talk on Photonic Crystal based Nano photonic Devices. He is a Fellow of the IETE (India), a member of the International Society of Optical Engineering (SPIE, USA), and a member of the Optical Society of America (OSA, USA). Professor Sinha is also Faculty Adviser of

SPIE-DCE Chapter and OSA-DCE Chapter at Delhi Technological University, Delhi. In addition to these, Professor Sinha has been actively involved in supervising several innovative projects on the design and development of unmanned and autonomous vehicles and in the establishment of Knowledge and Innovation Park with focus on student led innovation and product development.

Speaker of the Plenary Speech VI



Dr. Sukhdev Roy,
Dayalbagh Educational Institute, India

Sukhdev Roy obtained the B.Sc. (Hons.) degree in Physics from Delhi University, in 1986, M.Sc. degree in Physics with specialization in Electronic Science, from Dayalbagh Educational Institute, Agra, in 1988, and Ph.D. degree in Physics, from Indian Institute of Technology, Delhi, India, in 1993.

He was a Senior Research Assistant at the Department of Physics, Indian Institute of Technology, Delhi, from 1988 to 1989. Since 1993, he has been with the Department of Physics and Computer Science, Dayalbagh Educational Institute, Agra, where he is at present an Associate Professor. He has been a Visiting Scientist for short summer terms at the Tata Institute of Fundamental Research, Mumbai, India, 2002-2004; at Osaka University, 2006, at Harvard University, 2007, 2009 and at Queen Mary, University of London, 2009. His areas of interest are nano-photonics, bio-molecular computing and all-optical information processing.

Dr. Roy is a Member of IEEE, the Optical Society of America, a Fellow of the Optical Society of India and a Life Member of the National Academy of Sciences, India, Indian Science Congress Association, Indian Laser Association and the Biosensor Society, India. He was awarded the 1st B.B. Sen Memorial Award by the Institution of Electronics and Telecommunication Engineers, India in 2007, the Hari Ohm Ashram Prerit Shri H.C. Shah Research Endowment Prize by Sardar Patel University, India in 2008, Best Paper Presentation Award by the Indian Science Congress Association in 2000 and 2001 and by the Systems Society of India in 1995 and 2008. He was awarded the SERC Visiting Research Fellowship to the Department of Aerospace Engineering, Indian Institute of Science, Bangalore, in 1998; the Career Award for Young Teachers by the All-India Council for Technical Education, India, in 2001 and the Japan Society for Promotion of Science Invitation Fellowship to Hokkaido University, Sapporo, Japan, in 2004. He is on the Editorial Board of Recent Patents in Signal Processing and is also the Guest Editor of the forthcoming 2010 IET Circuits, Devices and Systems special issue on Optical Computing Circuits, Devices and Systems.

Speaker of the Plenary Speech VII



Prof. Indranil Sen Gupta

Head, School of Information Technology, Indian Institute of Technology, Kharagpur, INDIA

Dr. Indranil Sengupta has obtained his B.Tech., M.Tech. and Ph.D. degrees in Computer Science and Engineering from the University of Calcutta. He joined Indian Institute of Technology, Kharagpur, as a Lecturer in 1988, in the Department of Computer Science and Engineering, where he is presently a Professor and the Head of the Department. He is also heading the School of Information Technology of the Institute. A Centre of Excellence in Information Assurance has been set up at IIT Kharagpur under his leadership, where a number of security related projects are presently being executed. He has over 24 years of teaching and research experience, and over 100 publications in international journals and conferences. He had also served as the Associate Head of the Computer and Informatics Center from February 1998 to August 2002, and has been responsible for planning, procuring, deploying and day-to-day running of one of the largest network infrastructures in Asia, comprising of a state-of-the-art Gigabit Ethernet backbone and over 5000 computing nodes spread over a campus of about 5 square kilometers in area. Many security features, some commercially procured and some developed in-house, have been deployed in the Institute LAN to protect against both external as well as internal hacking attempts. His research interests include cryptography and network security, side-channel attacks on cryptosystems, VLSI design and testing, and mobile computing.

ICCAE 2010

(FDTT ICILT ICEES)

Afternoon, Feb 27, 2010 (Saturday)

Meeting Room 312 ICCAE

SESSION – ICCAE-01 (22)

Session Chair:

Time: 13:30 – 15:30

A003	Solar Ear Cleaner Arvind Raj.R, Sharath Kumar.D, Sandhiya.K, Vidya Srinivasan
A006	A Line Follower Robot from design to Implementation: Technical issues and problems Mehran Pakdaman, M. Mehdi Sanaatiyan
A011	Executable Architecture Modeling And Validation NI Feng, WANG Ming-Zhe, YANG Cui-Rong, TAO Zhi-Gang
A017	A Novel MIR Framework and Application with Automatic Voice Processing, Database Construction and Fuzzy Matching PENG LI, MINGQUAN ZHOU, XUESONG WANG, XIAOFENG WANG, NANSHA LI, LIZHI XIE
A024	Component Value Selection for Analog Active Filter Using Particle Swarm Optimization Revna Acar Vural, Tulay Yildirim
A025	Facing Pipeline False Dependencies Using VRB Table Ahmad M. Shafiee, Leily A. Bakhtiar, Laleh Boroumand
A028	Evolution of Autonomic Database Management Systems Abdul Mateen, Basit Raza, Muhammad Sher, Mian Muhammad Awais, Tauqeer Hussain
B256	Online Arabic handwriting character recognition using matching algorithm Marwan Ali.H. Omer
A042	An Effective Parallel Improving Tabu Search Algorithm for Heterogeneous Fixed Fleet Vehicle Routing Problem Kewei Zheng, Zhiqiang Lu, Xiaoming Sun
A051	A Novel Abnormal ECG Beats Detection Method Aiguang Li, Shaofeng Wang and Huabin Zheng, Lianying Ji, Jiankang Wu
A053	Analysis on the Complex Adaptation of National Energy System- the Perspective of Rule-based Fang Shuqiong
A056	Robust MPC for PWA With Time-Delay Systems Using Saturated Linear Feedback Controller Santo Wijaya, Manop Wongsaisuwan
A057	Applying 2D Projective Transformations for Structured Light System-Based Selective Data Acquisition Suchada Rianmora, Pisut Koomsap
A059	Classifying Instances into Lexical Ontology Concepts Using Latent Semantic Analysis Theerayut Thongkrau, Pattarachai Lalitrojwong
A064	Line detection Fusion using Spatial Frequency Measurement Kitti Toontham, Bhurit Emapana and Somkait Udomhunsakul

A073	Recursive Symbolic Bound Analysis in Loop Structure Lei Zhou and Kefei Chen
A075	A Novel Approach of Counting People Based on Stereovision and DSP Zhu Qiuyu, Tang Li, Jiang Yiping, Deng Wei-jun
A079	Vibration Isolation of an Electromagnetic Actuator with Passive Gravity Compensation C. Ding, A.A.H. Damen, P.P.J. van den Bosch, and J.L.G. Janssen
A082	Motion Planning for Mobile Robot Navigation using Combine Quad-Tree Decomposition and Voronoi Diagrams Shahed Shojaeipour, Sallehuddin Mohamed Haris, Khalil Khalili
A090	A Comparative Study on Measure of Semantic Relatedness Function Ehsan Emadzadeh, Azadeh Nikfarjam, Saravanan Muthaiyah
A093	Using Content Based Image Retrieval Techniques for the Indexing and Retrieval of Thai Handwritten Documents Seksan Sangsawad, Chun Che Fung
A104	Adaptive Network Based Fuzzy Logic Control of a Rigid – Flexible Robot Manipulator Umit ONEN, Mustafa TINKIR, Mete KALYONCU, Fatih Mehmet BOTSALI

15: 30 - 15: 40

Coffee Break

SESSION – ICCAE-02 (34)

Session Chair:

Time: 15:40 – 18:30

A105	Random DBPSO Algorithm Application in the Optimal Test-sequencing Problem of Complicated Electronic System Xiaohong Qiu, Jun Liu, Xiaohui Qiu
A106	Adaptive Network Based Interval Type-2 Fuzzy Logic Controller Design For A Single Flexible Link Carrying A Pendulum Mustafa TINKIR, Ümit ÖNEN, Mete KALYONCU, Yusuf ŞAHİN
A108	Pid and Interval Type-2 Fuzzy Logic Control of Double Inverted Pendulum System Mustafa TINKIR, Umit ONEN, Mete KALYONCU, Fatih Mehmet BOTSALI
A180	The Influence of Skewed Populations on Statistical and Neural Network Control Charts for Process Mean Hong Choon Ong, Yew Jin Ooi
D779	A New Design of an Open Circuit Fault Detector for Electric Heaters Yingui Liu, Guozhi Song, and Mingzhe Liu Jing Cui
D767	Design and application of an automatic packaging machine controller based on ATmega 128 Yuming Lu and Guozhi Song, Yingui Liu, Gengyu Li, Weixin Liu and Mingzhe Liu
A210	Hybrid Text Mining Model for Document Classification Vidhya.K.A, G.Aghila
A010	Identifying Objects Using RF Transmitters and Receivers, and Retrieving Data Using GSM Vijayendra R, Srinivasa K G
A033	Applying Modified Discrete Particle Swarm Optimization Algorithm and Genetic Algorithm for System Identification mohammad ali badamchizadeh and Katayoun Madani

A326	An Efficient Solution to Load-Frequency Control Using Fuzzy-Based Predictive Scheme in a Two-Area Interconnected Power System A. H. Mazinan and M. F. Kazemi
A034	Optimization of Data Fusion Method Based on Kalman Filter using Genetic Algorithm and Particle Swarm Optimization
A035	Deterministic and stochastic Petri net for urban traffic systems Mohammad Ali Badamchizadeh and Mina Joroughi
A032	Using Genetic Fuzzy Algorithm for Robot path planning S. Ghaemi, S. Khanmohammadi, M.A. Badamchizadeh
A055	Meaningful Interrelated Object Tree for XML Keyword Search Umaporn Supasitthimethee, Toshiyuki Shimizu, Masatoshi Yoshikawa, Kriengkrai Porkaew
A144	VoIP Interception in P2P SIP environment TUNG-MING KOO, CHING-HSING LIN
A311	The application of search engine optimization for internet marketing: An example of the motel websites HO LI-HSING, LU MENG-HUANG, HUANG JUI-CHEN, HO HUI-YI
B220	Learning from Small Data sets to improve Assembly Semiconductor Manufacturing Processes Wen Jau Lee and Soon Chuan Ong
B317	Knowledge Based Framework for Localization of Retinal Landmarks From Diabetic Retinopathy (DR) Images Manisha Joshi and Dr.Rekha Patil
B468	Comparison of different segmentation techniques in detection of flaws in weldments VijayR.Rathod, JananifNatarjan
C491	A Novel Hardware Efficient Digital Neural Network Architecture Implemented in 130nm Technology Cherin Joseph and Anu Gupta
C471	A Video-based Traffic Monitoring System based on the Novel Gradient-Edge and Detection Window Techniques Pipatphon Laparmonpinyo and Orachat Chitsobhuk
C606	Signal Extraction from Microarray Images for Gene.Array Data Analysis Rehna. V. J, G. Raju
C520	Designing predictors of DNA-binding proteins using an efficient physicochemical property mining method Yih-Jer Lin and Shinn-Ying Ho
C500	Power Spectrum Estimation Method for Image Denoising by Frequency Domain Wiener Filter Suhaila Sari and Tetsuya Shimamura
C482	Associative Classification Mining in the Behavior Study of Autism Spectrum Disorder Siriwan Sunsirikul and Tiranee Achalakul
C523	Wireless Image Communication Systems for Fire-Fighting Robots Sang-Uk Park, Jung-Hyun Park, Seungwon Choi, Dong-Jo Park and Deok-Sung Shin
C454	Affine Precoding for Hidden Pilot Design for MIMO-OFDMA Systems Byung Wook Kim, Sung-Yoon Jung and Dong-Jo Park
B463	Diversity in wireless networks : Issues and Discretionary Solution S.Munaf Rashid

C483	A Resource Assignment Algorithm to Enhance Outage Performance in Cooperative Systems Seung-Ri Jin, Ayoung Heo and Dong-Jo Park
D697	A Hybrid Evolutionary Algorithm Based On ACO And SA For Distribution Feeder Reconfiguration Javad Olamaei, Amir Hooshang Mazinan, Ali Arefi and taheer niknam
D588	Coverage Improvement for Target Tracking in Hybrid Sensor Networks Jenn-Wei Lin and Shih-Chieh Tang
D639	A Knowledge-based Recommendation Model Utilizing Formal Concept Analysis and Association Li Xiaohui
C646	Noise removal from binarised images Huy Phat Le , GueeSang Lee
C521	Adaptive Relay Selection for Hybrid Relay Systems Ayoung Heo, Jung-Hyun Park, Seung-Ri Jin, and Dong-Jo Park

Room 310 ICEES&FDTT

SESSION – ICEES - 01

Session Chair:

Time: 13:30 – 15:40

S008	Interruptible Load Participation as Operating Reserve in Joint Energy and Spinning Reserve markets Using Stochastic Security Analysis Mojdeh Abdi Khorsand, Hossein Heydari, Alireza Zakariazadeh
S011	A Comparison on Fuel Economy and Emissions for Conventional Hybrid Electric Vehicles and the UTS Plug-in Hybrid Electric Vehicle Salisa Abdul Rahman, Nong Zhang, Jianguo Zhu
S015	Adaptive Neuro-Fuzzy Inference System vs. Regression Based Approaches for Annual Electricity Load Forecasting Arash Ghanbari, S. Farid Ghaderi, M. Ali Azadeh
S018	Design and Development of Three Phase Diode Point Clamped Active Front End Converter P.N.Kapil and R.Ramesh
S019	Research on Automated Conceptual Design of Mechanical Transmission System and Its Realization He Bin, Liu Wen Zhen, Lü Hai Feng
S020	ANN Based Technique for Enhancement of Distance Relay Performance against Open-Conductor in HV Transmission Lines M. Gilany, Ahmed Al-Kandari, Bahaa Hassan
S021	Transition to a Low-carbon Energy System through Cooperation between Urban and Rural Areas: Case Study of a Model Area in China Hongbo Ren and Weisheng Zhou, Ken'ichi Nakagami
S022	Bit-Watt Home System with Hybrid Power Supply Rui Teng and Tatsuya Yamazaki
S026	A Simplified Three Phase PWM Rectifier with Fixed Frequency Modulation Blessy John, Vincent George, Mahesh K. Mishra

S028	Design and analysis of portable loadless wind power source for ubiquitous sensor network Hyung-Kwan Chang, Daejoong Kim, Jungyul Park
S029	Optimal Location of Variable Impedance Devices For Damping Power Systems Oscillations N. Magaji M. W. Mustafa and Z. bint Muda
S031	Design and parameters optimization of power system stabilizer to improve power system oscillations Mohammed osman Hassan, S. J. Cheng, Zakaria Anwar Zakaria
S032	Numerical Analysis of MHD Accelerator Using Nonequilibrium Air Plasma for Space Propulsion Makbul Anwari, Member, IEEE, Hummad H. Qazi, Sukarsan
S041	A Wavelet Based Technique For Detection and Classification of Transients In Distribution Networks M. Gilany, N. Zamanan, Wael Wahba
S055	Attracting FDI Towards The Power Generation Sector of Pakistan Muhammad Khyzer Bin Dost and Muhammad Asim Khan
S062	Power Transmission Line Analysis Using Exact, Nominal Π , And Modified Π Models Haitham Safar
S063	Hybrid PSO-DE for Solving the Economic Dispatch Problem with Generator Constraints S. Khamsawang, P. Wannakarn and S. Jiriwibhakorn
S064	New Battery Dynamic Model: Application to lead-acid battery F. Coupau, I. Sadli, I. Marie-Joseph, A. Primerose and H. Clergeot
S072	Comparison between Parallels and Series FACTS Devices on Static Voltage Stability Using MLP Index Mehrdad Ahmadi Kamarposhti, Abolfazl Ranjbar noei, Mostafa Alinezhad, Hamid Soltani
S073	Design and Development of A Small Scale System for Harvesting the Lightning Stroke Using the Impulse Voltage Generator at HV Lab, UTeM M. F. M. Basar, M.H. Jamaluddin, H. Zainuddin, A. Jidin, M.S.M. Aras
S074	A Study of Renewable Power for a Zero-carbon Electricity System in Japan Using a Proposed Integrated Analysis Model Qi Zhang, Tetsuo Tezuka, Miguel Esteban and Keiichi N. Ishihara
S078	Digital Analysis and Development of Ride-through Capability of AC Contactor with Respect to Voltage Sag Characteristics Noor Azila Ismail, Linda Mohd Kasim, Nor Fadzilah Mokhtar, Tuan Syahirah Tuan Yaakub, Hazlie Mokhlis
S080	Policies and Practices for Renewable Energy: An International Perspective Dr Deepak Waikar
S066	Determination of ATC with PTDF using Linear Methods in Presence of TCSC R.Srinu Naik, Prof. K. Vaisakh, K. Anand

15: 40 - 15: 50

Coffee Break

SESSION – FDTT - 01

Session Chair:

Time: 15:50 – 18:30

F008	Vacuum-Energized Fluid Conveyance simulation for Pipe fluid
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	Sun Gang, Zhang Weikang, Chen Jie
F003	An Experimental Study of Squirrel Cage Fan Rotor Width on Performance and Velocity Profiles Reza Sepahi Samian, Nader Montazerin, Abraham Damangir, Masoud Nikkhoo
F004	Cubic-Interpolated-Pseudo-Particle Lattice Boltzmann Method for Simulation of Natural Convection Heat Transfer in an Enclosure with Different Aspect Ratios Munther Mussa, Shahrir Abdullah, N. Muhamad, C.S. Nor Azwadi
F006	Experimental Study of Relationship between Interfacial Instabilities and Mechanical Strength of Three-layer Symmetric Polymer Melts Mohammad Ranjbaran
F044	Optimal Use of Waste Heat of Condenser of Thermal Power Plant Amit Bhatia, Shreya Agarwal, Swamini Khurana
F045	DPD Simulation of Multiphase Flow at Small Scales Mou-Bin Liu, Jian-Zhong Chang, Han-Tao Liu
F007	On interface conservative attributions for computations of the complex flows of high-lift system based on chimera technique Xu Kangle, Sun Gang, Cai Jinyang
F012	Multi-Walled Carbon Nano Tubes Effects for Methane hydrate formation Sung-Seek Park, Nam-Jin Kim
F014	Numerical Investigations of a Turbulent Flow over Triple Forward Facing Step Ahmed Taher, Ihab G. Adam
F016	Evaluation of a WENO Method in Implicit Large Eddy Simulation of Circular Cylinder Flow Ruize Gao, Jian Yu, Weixuan Kong, Chao Yan
F017	A Study on the Improving Seasonal Energy Efficiency of an A/C System Park Youn Cheol, Predrag Hrnjak
F021	Numerical Simulation of the Dynamic Characteristics of the Ultra-Thin Gas Flow at the Head/Disk Interface of Hard Disk Drives Haodong Wei, Hongrui Ao, Hongyuan Jiang
F023	A novel analytical model of a MEMS vaporizing liquid micro thruster Mahdi Bidabadi, Alireza Rahbari, Mohammadreza Alizadeh Heidari
F009	Intelligent Aerodynamic Design for Airfoil Based on Artificial Neural Network Method Jie Chen, Gang Sun, Xin Jin
F026	Heat Transfer Characteristics of Impingement Spray Cooling System for Electronic Test Cards Zhibin Yan, Kok Chuan Toh, Fei Duan, Teck Neng Wong and Kok Fah Choo
F047	Design Sensitivity Analysis of Squeeze Casting Process R. Ahmad, M.Y. Hashim, M.H. Idris
F051	The Analysis on a Potential of Saving Energy and Environmental Benefits on Heat Pump in Geothermal Heating Wang Wanyue, Yunshan Han

Room 311

SESSION – ICCAE – 03 (29)

Session Chair:

Time: 13:30 – 16:30

A152	Compare different spatial based Fuzzy-C_Mean (FCM) extensions for MRI Image Segmentation
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	M.A. Balafar, A. R. Ramli, S. Mashohor, A. Farzan
D789	Fuzzy Logic Computing for Design of Gas Turbine Engine Fuel Control System M. Montazeri-Gh, H. Yousefpour, and S. Jafari
D679	Deductive Method for Recognition of On-Line Handwritten Persian/Arabic Characters Majid Harouni, Dzulkifli Mohamad, Abdolreza Rasouli
B456	Novel Voice Activity Detection Based on Cepstrum moments Ali Farzan, Syamsiah Bt. Mashohor, Ali Nourmohammadi, Sarvin Sadra
D700	Web-based Railroad Monitoring System Hyung-Rok Seo, Tae-You Lee, Byung-Hyug Lee, Dong-Ryeol Shin
A044	Development of a Timetabling Software Using Soft-computing Techniques With a Case Study M.F.M. Sabri, M.H. Husin, S.K. Chai
B471	Experimental Verification of Roll-Angle Control using Air-Jet Pulse-Actuation Yuko Sagara, Nriyuki Hori
D774	A Block Cryptographic Method for Communication Network – its Prospects and Limitations Chiranjib Sur
D701	Hybrid based SVM Model for Prediction of CDKs and Cyclins Bhawanjali Saxena, Kumud Pant, Bhasker Pant, Neeru Adlakha
D702	Develop a Sub-population Memetic Algorithm for Multi-objective Scheduling Problems Wang Yen-Wen, Liu Chen-Hao, Fan Chin-Yuan
A045	Pseudo Random Binary Sequence on Second Order System Maimun Huja Husin, Mohamad Faizrizwan Mohd Sabri, Ade Syaheda Wani Marzuki, Kasumawati Lias, Mohd Fua'ad Rahmat
C423	Dipeptide based SVM Model for Prediction of CDKs and Cyclins Bhawanjali Saxena, Kumud Pant, Bhasker Pant, K. R. Pardasani
C668	Automating Function Points Analysis Based on Functional and non Functional Requirements Text Noureldin A.Z Adem, Zarinah M. Kasirun
D690	A Robust and High Speed E-Voting Algorithm Using ElGammel CryptoSystem Abdolreza Rasouli Kenari, Javad Hosseinkhani, Mahboubeh Shamsi, Majid Harouni
C589	Efficient Time Synchronization By K-D Tree In WSN Aditya Kumar Samanta, Arunima Mukherjee, S.M.Hossein
D781	Discovery of Weighted Association Rules Mining Preetham Kumar, Ananthanarayana V S
D651	Connection Availability Analysis in the WiMAX Mesh Networks Mahboubeh Afzali, Vahid Khatibi, Majid Harouni
C533	Energy Efficient Induction Heated Cooking – Range using MCT based Hybrid Resonant Converter Pradip Kumar Sadhu, Netai Paul, Dola Sinha, Atanu Bandyopadhyay
C490	Identification and localization of human brain activity patterns using particle swarm optimization Malin Björnsdotter, Johan Wessberg
C554	Energy Efficient Solar CFL Lighting System using MOSFET Based High Frequency Inverter for Remote Areas Nitai Pal, Pradip Kumar Sadhu, Ayodhya Kumar, Upendra Prasad

C681	3D Hand Motion Retargeting From Video Image Sequence Kosit Nopvichai, Pizzanu Kanongchaiyos
C558	Review of Induction Cooking - a Health Hazards Free Tool to Improve Energy Efficiency as compared to Microwave Oven Pradip Kumar Sadhu, Nitai Pal, Atanu Bandyopadhyay, Dola Sinha
D611	Review of LED Based Cap Lamps for Underground Coalmines to Improve Energy Efficiency as Compared to Other Light Sources Nitai Pal, Pradip Kumar Sadhu, Ramjee Prasad Gupta, Upendra Prasad
D669	Effect of Sampling on the Parameter Estimates of Multicomponent Transients Abdussamad U. Jibia, Momoh-Jimoh E. Salami, Othman O. Khalifa
C475	Comparative Study of Intrusion Detection System and its Recovery mechanism Nabeel Younus Khan, Bilal Rauf, Kabeer Ahmed
D809	Automated Scientific Document Retrieval KAUR Jaspal, YUSOF Mohammad, BOURSIER Patrice, OGIER Jean-Marc
C627	Reconfigurable RF communication components Rajagopalan.v
D681	Real Time Object Detection and Tracking: Histogram Matching and Kalman Filter Approach Madhur Mehta, Chandni Goyal, M.C. Srivastava, R.C. Jain
C443	Modifying Single Crystalline Silicon by Tribo Nanolithography for Pulsed Hybrid Electrochemical Nanolithography Applications Jeong Woo Park, Sun Ho Kim, Jeong Min Lee, Noboru Morita

Morning, Feb 28, 2010 (Sunday)

Meeting Room 325 ICCSN&NOPT&ICILT

SESSION – ICILT - 01

Session Chair:

Time: 11:25 – 12:10

A441	Benefits of RFID for Production of hybrid Micro Systems in flexible Production Networks of SME Verena Jaenen, Christian Tummel and Klaus Henning
A443	Vehicle Scheme of Evacuated Tube Transportation in the Future Logistics System Yaoping Zhang
A445	Multi-attribute analysis of ship investments under technical terms: a fuzzy extended TOPSIS approach Emrah Bulut, Okan Duru, Shigeru Yoshida
A446	Robust Design – A Decision Making Tool in Machining by Lapping Andrea Deaconescu, Tudor Deaconescu
A451	Economic Assessment of Innovations – Application of the Value Oriented Cost-Effectiveness Estimation on Electronically Coupled Trucks Ralph Kunze, Sabine Bischoff and Paul Flachskampf

A456	Supply Chain Management: An Integrated Approach For Effective Management: A Case Study Of Manufacturing Unit Arvind Jayant, S kumar, P Gupta and S K Garg
A461	Optimization Model for Solid Waste Management System Network Design Case Study Fathi A. Rhoma, Trin Chinakupt, Mandar Jawale, Bernd Noche
A464	Logistics and Information Technology: Review on Previous Research and Future Research Expansion Umussaa'dah Adam, Mohd Iskandar Illyas
A465	A Comparative Study of North American and Indian Third-Party Logistics (3PL) Service Providers Subrata Mitra

Meeting Room 326 ICCAE

SESSION – ICCAE – 04(19)

Session Chair:

Time: 8:45 – 10:20

C467	An Algorithm for Alignment-free Sequence Comparison using Logical Match KUNIYA POIL SANIL SHANKER, Sherly Elizabeth and Jim Austin
A015	Collecting Health Related Text From Patient Health Writings Saiful Akbar, Laura Slaughter, Øystein Nytrø
A111	Wear Particle Shape and Edge Detail Analysis M. S. Laghari, F. Ahmed & J. Aziz
A117	Data Storage Framework on Flash Memory based SSD RAID 0 for Performance Oriented Applications Sanam Shahla Rizvi and Tae-Sun Chung
A118	A Fuzzy-Based Approach for Selecting the Optimal Composition of Services According to User Preferences Mahdi Bakhshi, Farhad Mardukhi, Dr. Naser Nematbakhsh
A119	Forecasting of Salmonellosis Incidence in Human using Artificial Neural Network (ANN) Adhitya Erna Permasari, Dayang Rohaya Awang Rambli, P. Dhanapal Durai Dominic
A120	Fuzzy PID Control Method for a Class of Networked Cascade Control Systems Congzhi Huang, Yan Bai, Xiangjie Liu
A121	A Packet Classification's Algorithm- Bitmap Intersection Lookup using Cache Thapana Choorat, Akharin Khunkitti
A122	Optimal Gain Tuning of Integral State Feedback in Electromagnetic Suspension System Using Genetic Algorithm Shahram Aghaei, Arash Hassanpour Isfahani
A126	A Multi-objective Scheme to Hide Sequential Patterns Babak Rahbarinia, Mir Mohsen Pedram, Hamid R. Arabnia, Zohreh Alavi
A127	An Optimization Method for Neural Network Based on GA and TS Algorithm Pengyi Gao, Chuanbo Chen, Sheng Qin, Yingsong Hu
A128	An Automatic Test Case Generator for Testing Safety-Critical Software Systems

	Mehdi Malekzadeh, Raja Noor Aion
A132	Quality Assurance of Energy Aware Routing Algorithm For Wireless Sensor Networks Ifrah Farrukh Khan, M. Younas Javed, Fahim Arif
A139	Robust Reinforcement Learning-Based Tracking Control for Wheeled Mobile Robot Nguyen Tan Luy, Nguyen Duc Thanh, Nguyen Thien Thanh, Nguyen Thi Phuong Ha
A329	A complete Design and Implementation of a low cost Remote Controlled Flying Machine with FPGA based Control System Tauhidur Rahman, Md. Azizul Islam
D815	Exploration of High-Dimensional Nuclei Data Fernando Fuentes, Houssain Kettani, George Ostrouchov, Mario Stoitsov, Hai Ah Nam
D816	Detecting Anomalies for High Performance Computing Resilience Shamir J. Quiñones Dueño, Emmanuel Avilés Sáez, George Ostrouchov
B362	Hiding Secrete Data in Compressed Images Using Histogram Analysis Farhad Keissarian
D644	A New Quad-tree Segmented Image Compression Scheme using Histogram Analysis and Pattern Matching Farhad Keissarian

10: 20 - 10: 30

Coffee Break

SESSION – ICCAE -05 (26)

Session Chair:

Time: 10:30– 12:10

A255	Tuning Holdoff Exponents for Performance Optimization in IEEE 802.16 Mesh Distributed Coordinated Scheduler Sandip Chakraborty, Debarshi Kumar Sanyal, Abhijnan Chakraborty, Abhirup Ghosh
A256	Performance evaluation of an Online Load Change Detection Algorithm Felipe Mata and Javier Aracil
A259	Two-Human CardiffGA: a new Multiple population genetic algorithm HUI CHEN, John C Miles, Alan S K Kwan
A260	DPMM: A Novel Mobility Model for Delay Tolerant Networks Fazl-e-Hadi, Fahad Bin Muhaya, Yasir Habib
B277	A Fast K-Means Algorithm for the Segmentation of Echocardiographic Images Using DBMS-SQL S Nandagopalan, B. S. Adiga, C. Dhnalakshmi and N Deepak
A007	Knowledge Capture for Thai Word Segmentation by Using CommonKADS Krisda Khankasikam
A008	A Hybrid Case-based and Rule-based for Metadata Extraction on Heterogeneous Thai Documents Krisda Khankasikam
A039	A Comparison of Information Retrieval Models Applied to Thai Digital Library Krisda Khankasikam
A113	Towards Freely and Correctly Adjusted Dijkstra's Algorithm with Semantic Decision Tables for Ontology Based Data Matching

	Yan Tang, Peter De Baer, Gang Zhao, Robert Meersman
A125	Extending UML to Model GUI: A New Profile Abdul Rauf, Muhammad Abdul Basit UI Rahim, Muhammad ramzan, Arshad Ali Shahid
A270	Analysis of Software Process Improvement Efforts in Pakistan Abdul Rauf, Sajid Anwar, Muhammad ramzan, Arshad Ali Shahid
A136	A Novel Approach to Qualitative Evaluation Jianjun Zhu, Shaohua Tan
A137	A Novel Approach to Qualitative Prediction Jianjun Zhu, Shaohua Tan
A157	Forecasting of the Total Power of Woodworking Machinery Based on SVM Trained by GA Yunjie Xu, Yunjie Xu, Wenbin Li
A158	Fault Diagnosis for Gearbox Based on Genetic-SVM Classifier Yunjie Xu, Wenbin Li
A176	Total Stability of a Class of Hybrid Dynamic Systems Based on Fixed Point Theory M. De la Sen
A220	About Hyperstability and Related Properties of Linear Switched Systems M. De la Sen, A. Ibeas
B259	Multi AGV hybrid path planning using Fuzzy Inference Systems S. Khanmohammadi, M.A. Badamchizadeh, K. Rezvani, M.K. Mirnia
B311	Average Gene Method for Increasing the Convergence Speed of Discrete Genetic Algorithms Mohammad Ali Badamchizadeh, Yousef Alipouri, Mehdi Baradaran Nia
B275	A Thermal Noise Suppression Method for Increasing Lossless Compression Ratio of the Remote Sensing Images Qiang Wu, Yaobin Chi and Zhiyong Wang
B171	Fault Diagnosis of Marine Diesel Engine Based On Blind Source Separation Yong Chang and Yihuai Hu
B189	DIGITAL SIGNATURE MODEL OF SENSOR NETWORK USING HASH CHAIN Young-Soo Kim and Sang-Ho Lee
D817	Channel Power Allocation Factors Computing in MIMO Wireless Networks with Improved Water Pouring Algorithm Viktor Zaharov, and Houssain Kettani
A235	A Study of Influence Factors Affecting to Cutting Tool Wear in Cold Work Steels Turning(DC53) Sittichai Kaewkuekool, Natthakorn Keawinsuan
B350	An MMSE-based Compressive Domain Interference Cancellator for Wideband systems Seunggye Hwang, Seunghun Jang, Jeongwook Seo and Dongku Kim
B436	Classification-Based Motion Vector Processing for Motion Compensated Frame Interpolation Using Block Boundary Distortion Metric Truong Quang Vinh, Young-Chul Kim

Afternoon, Feb 28, 2010 (Sunday)

Meeting Room 320 ICCAE

SESSION – ICCAE - 06

Session Chair: (23)

Time: 13:30 – 15:30

B191	Cardiovascular Disease Risk Detection Using Modified T-S Fuzzy Neural Networks Jun SHI, Ming Chui DONG, Wai Kei LEI and Booma Devi SEKAR
B209	Surveillance of vibrations using a supervisory control and data acquisition system NAJEH LAKHOUA
B221	Template Music Transcription for Different types of Musical Instruments Md. Omar Faruqe
B227	Performance Evaluation of Grid Simulators Using Profilers Hemant Mehta, Priyesh Kanungo and Manohar Chandwani
B237	A Comparison of Orthogonal and Overlapped Relay Subchannel Allocation Schemes for OFDMA Based Systems Young Min Cho, Dae Wook Byun, Seung Hun Jang, Janghoon Yang and Dong Ku Kim
B239	Detecting and Visualizing Web Design Patterns Nazanin Aminzadeh and Siti Salwah Salim
B246	A Novel Neuro-Fuzzy Method for Linguistic Feature Selection and Rule-Based Classification Narissara Eiamkanitchat, Nipon Theera-Umpon and Sansanee Auephanwiriyaikul
A037	An Efficient Method for subjectively choosing parameter 'k' automatically in VDBSCAN (Varied Density Based Spatial Clustering of Applications with Noise) Algorithm A.K.M Rasheduzzaman Chowdhury, Md. Elias Mollah, Md. Asikur Rahman
B272	Study on wavelet package analysis technology applied to fault diagnosis of vehicle transmission Zhuting Yao and Hongxia Pan
A262	Multiobjective Evolutionary Algorithm MOEA an Approach for solving MAS Multiattribute Allocation Task Mauricio Mauledoux, Viacheslav Shkodyrev
B285	Research on Grid-based Forest Spatial Information Processing and Services Platform Fan Li, Xu Zhang, Hongrong Wang and Yong Shan
B291	Multi-update Mode Quantum Evolutionary Algorithm For a Combinatorial Problem xin wei and shigeru fujimura
B296	Neuro-Fuzzy Trajectory Control of A Scara Robot YUSUF ŞAHİN, ARİF ANKARALI and MUSTAFA TINKIR
B297	A- Snake: Integration of Path Planning with Control for Mobile Robots with Dynamic Constraints Yongqiang Cheng, Ping Jiang and Yim Fun Hu
B304	Detection and Classification of Pipelines for Mobile Monitoring Robots Daejung Shin, Seung You Na, Jin Young Kim and Joo Hyun Jung
B307	A Simple Antiwindup Control based on a PI control with an Initial Value of the Integral State Variable Hiromitsu Ogawa, Kazuhiro Sasaki, Kazusa Matsumoto and Yoshihisa Ishida
B308	Two Stage Control based on an Optimal Control with a Disturbance Observer and a Kalman Filter Hiromitsu Ogawa, Naohiro Ban, Manato Ono and Yoshihisa Ishida

B309	The Determination of Surface Intersection Using Subdivision and Polyhedron Intersection Methods Natasha Dejdumrong
B356	An Efficient Algorithm for the Evaluation of Bézier Triangular Surfaces Wacharapol Pokavanich and Natasha Dejdumrong
B319	Autonomous Agent Oriented Traffic Control System Sadia Afsar and Abdul Mateen
B267	Development of Multipurpose Integrated Multimedia Presentation System Based on the CCM Algorithm Rustam Asnawi, Wan Fatimah Wan Ahmad and Dayang Rohaya
A339	AN EMBEDDED SYSTEM AND RFID SOLUTION FOR TRANSPORT RELATED ISSUES S.Srinivasan, Dr.H.Ranganathan, S.Vani
A197	An New Secure Mechanism for Bluetooth Network K.Saravanan, D.Yuvaraj

15: 30 - 15: 40	Coffee Break
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SESSION – ICCAE – 07 (34)

Session Chair:

Time: 15:40 – 18:30

B321	Dynamic Regulation of Index Implementation for Flash Memory Storages Rize Jin and Tae-Sun Chung
B328	Use of Multilevel Inverter for Elimination of Harmonics in High Voltage Systems Madhukar Waware and Pramod Agarwal
B329	Choosing Local Matching Score Method for Stereo Matching Based-on Polarization Imaging Mohammad Iqbal, Olivier Morel and Fabrice Mériaudeau
B330	Potential use of Artificial Neural Network in Data Mining Smita Nirkhic
B332	Time Series Forecasting Based on a Neural Network with Weighted Fuzzy Membership Functions Sang-Hong Lee
B336	An Efficient Feedback Scheme Using Compressive Sensing for MIMO Broadcast Channel with Random Beamforming Kiyoen Kim, Dongku Kim, Seunghun Jang and Jungwook Seo
B337	Numerical Analysis of Transmission Efficiency to Guarantee the QoS for Densely Distributed UAV with randomly located Ground Station Chan-ho An, Ui Young Pak, Kunsup Kwon, Janghoon Yang and Dong Ku Kim
B338	Analysis and Implementation of Security Algorithms for Wireless Communications Abdinasir Hassan and Maslin Masrom
B339	Complexity Reduction for Lattice Reduction Aided Detection in MIMO-OFDM Systems Byoung Joon Choi, Chan-ho An, Janghoon Yang, Seung-hoon Jang and Dong Ku Kim
B347	Localized Bone cortical width measurements using various Fuzzy edge detectors Noor Elaiza Abdul Khalid, Mazani Manaf and Mohd Ezane Aziz
B352	Recognition of 3D Objects in Various Capturing Conditions Using Appearance Manifolds

	Lina
B354	Pose Estimation of 3D Face Images using Fuzzy Nearest Distance in Fuzzy Interpolation Line Benyamin Kusumoputro and Lina
B360	An Algorithm for Mining Conditional Hybrid Dimensional Association Rules using Boolean Matrix neelu khare, neeru adlakha and kamalraj pardasani
B457	Semantic Domain Specific Search Engine B.H.ChandraShekar, Dr.G.Shoba
B375	Real-time Foreground Segmentation Based on An Fused Background Model xiaoyu wu
B377	Real-time Message Transmission Over Wireless Sensor and Acor Networks Ngo Hoai Phong, Yunsung Uhm and Myung-Kyun Kim
B432	Diagnosis of post-ictal heart oscillations in partial epilepsy using Power Spectral Density analysis M. Amarnath, B.Raghu Naik, Aditya Kumar Singh, Ch.Dinesh Joshi
B395	Routh-Padé Approximants for 2-D Non-Separable-Denominator Discrete-Time Systems using VEGA Shailendra K. Mittal, Dinesh Chandra, Bharti Dwivedi
B412	Application and Design of Data Communication Mechanism of Information Systems Based on MQ-1110 DENG Yao-hua, WU Li-ming, Lu Qi-wen
B417	The Study on Batch Chemical Process Stochastic Scheduling with Uncertain Processing Time KONG Ling-qi, HAN Fang-yu, ZHENG Shi-qing
B418	Coupling optimal method of segmentation with restoration for target detection in SAR images P.Subashini, Mr. Suresh kumar Thakur, Ms.Krishnaveni
B486	Integrating Open Source Knowledge Management Tools into Library Management for Automation: A case study of Jaypee Institute of Information Technology University Sanjay Kataria, Anshul Pachouri, Mohit Sharma
B447	ADVANCED RECOGNITION TECHNIQUES FOR HUMAN COMPUTER INTERACTION Chetan A. Burande, Raju M. Tugnayat
B450	Further Exploration on the Relationship between Crisp Sets and Fuzzy Sets Zhao-xiaWang, QuanWang, MingBai, Zeng-qiangChen
B465	The Word Net Based Semantic Relationship Between Tags in Folksonomies QiXinMin, Mohammed Nazimuddin, Geun-SikJo
B475	Why automation needs error avoidance guidelines and evaluation? Idyawati Hussein, Esmadi Abu Abu Seman, Murni Mahmud
B481	Link traffic delay estimation using fuzzy logic Muhammad Zahoor and Sabah Tamimi
B485	The Study of Dispatching Rules for Spraying and Drying processes scheduling in painting workshop Liu Chang, Peng Wei, Shi Haibo
B494	k-k Sorting on the Multi Mesh of Trees Nitin Rakesh, Nitin
B497	New Potential Functions for Multi robot path planning : SWARM or SPREAD

	Sung-hwan Kim, Gyungtae Lee, Inpyo Hong, Youngjoo Kim, Daeyoung Kim
D807	Performance Analysis of Feed Forward MLP with various Activation Functions for Handwritten Numerals Recognition Amit Choudhary, Rahul Rishi, Savita Ahlawat, Vijaypal Singh Dhaka
D705	Using MPLS Fault Recovery Mechanism and Bandwidth Reservation in Network-on-Chip Mohammad Pooyan, Mohammad Reza Nouri Rad, Reza Kourdy
D794	Small area Reconfigurable FFT Design by Vedic Mathematics Anvesh Kumar, Er. Ashish Raman, Dr. R.K.Sarin, Dr. Arun Khosla

Afternoon, Feb 28, 2010 (Sunday)

Meeting Room 325 ICCAE

SESSION – ICCAE – 08 (23)

Session Chair:

Time: 13:30 – 15:30

B177	Optimizing fuzzy logic controller for diabetes type I by genetic algorithm Aydin Azizi and Kambiz ghaemi osgouie
B178	Dermal wound healing-remodeling phase: A biological review Aydin Azizi and Kambiz ghaemi osgouie
B179	Modeling of forced dermal wound healing using intelligent techniques Aydin Azizi and Kambiz ghaemi osgouie
B182	Mathematical modeling of dermal wound healing: A numerical solution Aydin Azizi and Kambiz ghaemi osgouie
B303	A Motion Planning For A TET Walker Maziar Izadi, M. J. Mahjoob, Mohammad Soheilypour and Hosein Vahid-Alizadeh
B334	Prediction of Electrical Energy Demand by Hybridization of Particle Swarm Optimization and Noise Filtering Arash Ghanbari and Seyed Farid Ghaderi
B364	A Clustering based Genetic Fuzzy Expert System for Electrical Energy Demand Prediction Arash Ghanbari and Seyed Farid Ghaderi
B414	HIERARCHICAL APPROACH OF DISCRIMINATIVE COMMON VECTORS FOR BIO METRIC SECURITY C.Lakshmi, M.Sundararajan
B416	THE COMPUTER SIMULATION FOR THE HYDRAULIC MOTOR WITH PLANETARY DRIVE OF BEVEL GEAR Hu ran liu
B425	Computer Aided Machining Programming in 5-axis NC Mill of Sculptured Surface Hu ran Liu
B426	The computer-aided assembly of hydraulic motor with offset swinging planetary drive of bevel gear Liu Hu ran
B446	Performance of Marathi Language TTS synthesis based on Perceptual Test and Spectrogram analysis

	D S.Bormane, .S.D.Shirbahadurkar, U.D.Shiurkar
C678	Evaluation the significant relationships among selected variables ascribed to broadband connectivity, in the OECD member-countries and in the Middle Countries Mohsen Gerami
C679	Analysis of Patent Numbers in OECD Countries Mohsen Gerami
C 502	Product Family Extension Configuration Design: the theory and method Yanwei Zhao, Meiyang Zhang, Nan Su and Jian Chen
C 515	Monitoring and Fault Diagnosis System for the Diesel Engine based on instantaneous speed yong chang and yihuai hu
D686	Real Time Detection Algorithm of Life Threatening Arrhythmias for Mobile Cardiac Monitoring System zhenxing zhang, xuewei tian and Joon S Lim
D577	Intelligent Optimization on Test Bench of Electric Power Steering Device in Automobile Pingyuan Xi
D578	Study on the Methods of Determining Main Geometric Parameters of Centrifugal Fan's Impeller Pingyuan Xi
D782	Ontology based Session Management Protocol for Teleteaching Domain Vivek Nair, Animesh Dutta
A291	Noise Removing from Web Pages Using Neural Network Thanda Htwe, Khin Haymar Saw Hla
B219	Fuzzy extended group consensus of judgmental adjustments on statistical forecasts Okan Duru, Emrah Bulut & Shigeru Yoshida
B190	Research Study of Neural Networks for image categorization and retrieval Ms.B.Veera Jyothi, Dr.C.Uma Shanker

15: 30 - 15: 40	Coffee Break
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SESSION – ICCAE – 09 (33)

Session Chair:

Time: 15:40 – 18:30

D579	Evolutionary Optimization on Operating Parameters of Vehicle Engine in Simulated Annealing Pingyuan Xi
D584	Simulation and Application on Modern Operational Research Pingyuan Xi
D585	Financing Predicament and Tactics of Small and Medium-sized Enterprises During Financial Crisis Pingyuan Xi
D597	Research screen information moment acquiring methods base on across screens measure system hanshan li and zhiyong lei zhiyong lei
D637	A Modification to Goldstein Algorithm for TerraSAR-X Interferometric Phase Filter Ying Lu, ZHiyong Lei and Hanshan Li

D729	Abnormal Pattern Detection based on Visualization Ai-shu Jin, Dae-dong Hwang, Gye-young Kim, Hoon Chang, Sangjun Lee, Hyung-il Choi
C493	Representation and Clustering of Time Series by means of Segmentation based on PIPs Detection Sang-Ho Park, Ju-Hong Lee, Suk-Ju Chun and Jae-Won Song
C623	Simulation and Design of an Integrated Fly Back Converter for Uninterruptible Power Supply Rakesh Maurya, Punnaiah Gunturu, Shaikh Mo.Suhel
C657	Virtual Lab for Ultrasound Image Enhancement K Venkatrayudu Devarapu, Praful P Pai, Vinod Kumar
C661	Denoising of Ultrasound Images using Curvelet Transform K Venkatrayudu Devarapu, Subrahmanyam Murala, Vinod Kumar
C696	Toward Next Generation of Driver Assistance Systems: A Multimodal Sensor-Based Platform Mahdi Rezaei
C662	ROUTING OPTIMIZATION STRATEGY USING GENETIC ALGORITHM UTILIZING BANDWIDTH AND DELAY METRICS Madiha Sarfraz, Younus Javed, Almas Anjum, Shaleeza Sohail
C580	Fuzzy-based Multi-constrained Quality of Service Distance Vector Routing Protocol in Mobile Ad-hoc Networks Mie Mie Thaw
C 496	On-line Detection of Inter-area Oscillations using Forgetting Approach for Power Systems Monitoring Denis Sidorov, Vaclav Smidl and Yuri A. Grishin
C468	Computational Analysis of the Flow Characteristics of V-U and U-U Notch in Spools of Valves Jia Wenhua and Yin Chenbo,
C 504	Flash Memory SSD based DBMS for Data Warehouses and Data Marts Sanam Shahla Rizvi and Tae-Sun Chung
C 541	Improvement Network-on-Chip Bandwidth utilization Through Multi Protocol Label Switching by Dividing bandwidth Mohammad Reza Nouri Rad, Mohammad Poyan and Majid Rahimi Nasab
C 542	Improvement Mpls-NOC Bandwidth by dividing bandwidth in Fat-tree topology Reza Kourdy, Mohammad Reza Nouri Rad, Mohammad Poyan and Majid Rahimi Nasab
C451	XML Element Recommendation by Semantic Ranking Sutheetutt Vacharaskunee and Sarun Intakosum
C693	The generation of transport networks based on DLA model in an artificial society model with characteristics of geographical systems Pan Lihu
C411	Progresses for Multi-agents System Models Wu Qinghong, Zhang Ying, Ma Zongming and Tang Xiuqin
C 552	Design of Highly Reliable Fingerprint Access Control System Based on C8051F020 Single Chip Chunjiang Liu and Fang Lv
C 559	A Novel Soft Computing Model to Increase the Accuracy of Software Development Cost Estimation Iman Attarzadeh and Siew Hock Ow
C 476	Tool Monitoring for drilling process applying enhanced Neural Networks

	Ramzi FAYAD
D666	Random Geometric Graphs as Model of Wireless Sensor Networks Hichem Kenniche and Vlady Ravelomanana
C594	Selective Ant Colony Optimization Considering Static Evaluation M.Yoshikawa, T.Miyachi
C 512	An Omni-vision Based Localization Method for Automatic Helicopter Landing Assistance on Standard Helipads Chih-Jen Wu and Wen-Hsiang Tsai
A268	A Design Framework Based Flashcards for Guided Digital Storytelling Jumail, Dayang Rohaya Awang Rambli, Suziah Sulaiman
C440	An Effective Method of Pathfinding in a Car Racing Game Jung-Ying Wang and Yong-Bin Lin
B208	Resolving Multi Objective Stock Portfolio Optimization Problem Using Genetic Algorithm Hok Lie and Lavi Rizki Zuhai
C662	ROUTING OPTIMIZATION STRATEGY USING GENETIC ALGORITHM UTILIZING BANDWIDTH AND DELAY METRICS Madiha Sarfraz, Almas Anjum, Younus Javed, Shaleeza Sohail
A248	Validating Clustering of Gene Expression Data Wim De Mulder, Martin Kuiper and Rene Boel
A233	Adaptive Laguerre Filter for DS-CDMA Multi-User Communication System C. BENJANGKAPRASERT, T. INCHAN

Meeting Room 326 ICCAE

SESSION – ICCAE – 10(22)

Session Chair:

Time: 13:30 – 15:30

C647	Automatic Text Locating from Complex Natural Scene Images Manoj Kumar, Huy Phat Le, Gueesang Lee
C530	Tangible Interaction with an ID Tag Seongil Lee, Kyohyun Song and Jiho Choi
C683	A D HT-based Virtual Storage System in Windows Environments Jong hyeon Kim, Junghoon shin, Sangjun Lee, Soowon Lee, Myungho Kim
C675	An Approach for Transistor Implementation of Neural Networks and Its Various Prospects And Limitations Chiranjib Sur, Ashis Kumar Mal
C648	Development of Closed Bounded Volume (CBV) Grouping Method of Complex Faceted Model through CBV Boundaries Identification Gandjar Kiswanto, Achmad Yahya Teguh Panuju
C472	FUZZY LOGIC TRAJECTORY CONTROL OF FLEXIBLE ROBOT MANIPULATOR WITH ROTATING PRISMATIC JOINT Fatih Mehmet BOTSALI, Mete KALYONCU, MUSTAFA TINKIR and Ümit ÖNEN
C671	Application of Surface Complex Model to a batch adsorption of Copper onto industrial Waste

	Sludge Mishra Umesh, Bandyopadhyaya Manas
C481	Regression Test Selection Technique based on Dynamic Behaviour walid said, Shirf said and Mohiy hadhoud
C631	Research and Application of Deformation in Machining Flexible Workpieces Based on Multiple Regression Model Deng Yao-hua, Liu Gui-xiong, Wu Li-ming, Tang Lu-xin
A150	Downlink Capacity of High Altitude Platforms CDMA System in Ricean Channel Wang Jun
C424	Coded-OFDM in Various Multipath Fading Environments Davinder Saini and Alok Joshi
C485	Neural Network Construction and Its Predication for Coal-Blending at Coal Combustion Power Station Jiang Wu and Yanyan Zhang
C486	A Novel Computational Scheme and Its Application for Simulation of the Flow Characteristics of Flue Gas Jiang Wu and Ping He
C652	High Performance and Scalable Client-Based Access Control Model for XML Databases Aye Sandar Myint
C644	Medical Optimal Decision Making based Holonic Multi Agent System Esra Alkaysi, Rainer Unland, Claus Weihs, Cherif Branki
C610	Wearable-sensor based Wireless Braille Natural Keypad A.Saranraj
D712	Optimal Tracking Control of Nano-positioner in Reciprocal State Space Framework Yuan-Wei Tseng
D713	Variable Structure Control Design and Stability Analysis in Reciprocal State Space Framework Yuan-Wei Tseng and Yu-Ning Wang
A250	Face Recognition Using Trichotomic Combination of SVD, DF-LDA and LPP Shylajass, K N Balasubramanyamurthy, S Natarajan, Pritha D N, L Savitha
A222	Detecting Power Imbalance in Multi-Cylinder Inline Diesel Engine Generator set S.H.Gawande, L.G. Navale, M.R. Nandgaonkar, Dinesh Butala
D587	EFFECT OF NOISE ON JULIA SETS GENERATED BY LOGISTIC MAP Mamta Rani and Rashi Agarwal
D586	Superior Antifractals Mamta Rani

15: 30 - 15: 40

Coffee Break

SESSION – ICCAE – 11(33)

Session Chair:

Time: 15:40 – 18:30

C 501	Protection of Orchard from Wild Animals and Birds Using USN Facilities Seung Na, Daejung Shin, Joo Hyun Jung and Jin Young Kim
C646	Noise removal from binarised images

	Huy Phat Le, GueeSang Lee
C395	Applying the APG to measure Heart Rate Variability Mohamed Elgendy, Mirjam Jonkman and Friso DeBoer
D665	A Time-division Multicast Transmission Scheme Using Multiple Multicast Groups Han Fang, Dong Liang, Wenbo Wang and Yang Liu
D628	OSGi Middleware for Home Robots in Home-Network Hee-Yeon Cho, Soon-Bum Kwon and Dong-Ryeol Shin,
D652	Context Agent for Smart Resident Hong Min
D646	A Methodology for Weighting the Environmental Factors of ISO 14001-a Case Study on the Port of Shanghai, China Min-hui Guo and Barry McComic
D675	Incorporating SIFT with Hard C-Means Algorithm Wattanapong Suttapak, Sansanee Auephanwiriyaikul and Nipon Theera-Umpon
D602	A Novel Piecewise Linear Segmentation for Time Series Yongwei Ding, Xiaohu Yang, Aleksander J. Kavs and Juefeng Li
D598	Game Theory Based Load balancing in Self-Optimizing Wireless Networks Hao He, Xiangming Wen and Wei Zheng
D786	Analysis of X-means and global k-means USING TUMOR Classification Parvesh Kumar, Siri Krishan Wasan
D795	Low Power ALU Design by Ancient Mathematics Anvesh kumar, Ashish raman
D685	A New Steganographic Method Based on Information Sharing via PNG Images Che-Wei Lee, Wen-Hsiang Tsai
D799	Intrusion Prevention and Self-Healing Algorithms Inspired by Danger Theory Muna Elsadig, Azween Abdullah, Brahim Belhaouari Samir
C564	ZMP Based Gait Generation of AIT's Leg Exoskeleton Narong Aphiratsakun, Kittipat Chairungsarpsook, Manukid Parnichkun
D614	Modified Honey Bee Optimization for Recurrent Neuro-Fuzzy System Model Zahra Khanmirzaei, Mohammad Teshnehlab, Arash Sharifi
D803	One Time Biometric Transform to Secure Biometric Templates Aditya Abhyankar, Shailesh Kulkarni, Rajendra Talware, Stephanie Schuckers
D804	Towards Scalable Video Coding: A Wavelet Based Error Resilient Probabilistic Approach Shailesh.V.Kulkarni, Dr.Aditya S Abhyankar
D805	TOWARDS DESIGNING A SPATIO-TEMPORAL NEURAL NETWORK FOR NON-MODULAR HIGH CONTENT PATHOLOGICAL SCREENING Rajendra Talware, Dr. Aditya Abhyankar
D798	Multiobjective Evolutionary Algorithm MOEA to Solve Task Allocation Problems in Multi Agents Systems Mauricio Mauledoux, Viacheslav Shkodyrev
B420	Accuracy Assessment of Object Oriented and Knowledge Base Image Classification using P-Trees Dr. M.Seetha, Dr. K.V.N.Sunitha, D.V. Lalitha Parameswari, Mr. G.Ravi
C551	Study of the Use of Dynamic 3D Visualization Graphs as Supplements for Understanding Math

	Ting-Sheng Weng, Di-Siang Kang
B325	A New Segment based, Scale Invariant, Optimized Boundary Representain Algorithm MUHAMMAD ATIQUE UR REHMAN
B326	Evolution of Multiple Tree Structured Patterns using Soft Clustering Kengo Yoshida, Tetsuhiro Miyahara and Tetsuji Kuboyama
B361	Discrete Cosine Transform (DCT) Based Face Recognition in Hexagonal Images Muhammad Azam, M Almas Anjum and M Younus Javed
B400	H Robust Stabilization of Nonlinear System :Fuzzy System Approach Ebrahim Matter (Al-Gallaf),H. Al-Junaid
C666	An Overview and Preparation for Recognition of Emotion from Speech Signal with Multi Modal Fusion techniques A.P.Meshram, S.D.Shirbahadurkar, Ashwini Kohok,Smita Jadhav
A325	Real-Time Automization Of Agricultural Environment for Social Modernization of Indian Agricultural System. Mahesh M Galgalikar
A175	Autocorrelation Based Weighing Strategy for Short Term Load Forecasting with the Self-Organizing-Map Vineet Yadav, Dipti Srinivasan
A227	An Intelligent and Automatic Fault Detection & Classification in Semiconductor Photolithography Process Shufan Liu, Feilong Chen, Tingchia Chang
C592	Epipolar-Kinematics Relations Estimation Neural Approximation For Robotics Closed Loop Visual Servo System Ebrahim Matter
A145	Estimation of Tray Efficiencies in a Distillation Column System Xuemei Zhu
D656	A Fast 3D Hand Model Reconstruction by Stereo Vision System Mehrdad Sangi and Mehran Jahed

ICCSN 2010**Afternoon, Feb 27, 2010 (Saturday)****Meeting Room 309 ICCSN**

13:30-14:00	Plenary Speech 5 Prof. Indranil Sen Gupta Head, School of Information Technology, Indian Institute of Technology, Kharagpur, INDIA
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SESSION – ICCSN - 01

Session Chair:

Time: 14:00 – 15:30

D019	A Redundant Audio Watermarking Technique using Discrete Wavelet Transformation Kamalika Datta, Indranil Sengupta
D155	Hybrid Framework for Behavioral Prediction of Network Attack Using Honeypot and Dynamic Rule Creation with Different Context For Dynamic Blacklisting Renuka Prasad B, Annamma Abraham
D021	A Directed-multicast Routing Approach with Path Replication in Content Addressable Network Shen Wenbo, Zhang Weizhe, Zhang Hongli, He Hui
D029	Scheduling Jobs in a Heterogeneous System with Unreliable Network Links by DLT Amin Shokripour, Mohamed Othman
D030	RCPC-ENCODED V-BLAST MIMO WITH MMSE-BASED DETECTION Lydia Sari, Gunawan Wibisono, Dadang Gunawan
D034	Design and Implementation of a Centralized Sensor Protocol for Information via Negotiation Trung. H. Pham, Xue Jun Li, Peter H. J. Chong, Y. W. Leong
D035	A Simple Grid-Based Localization Technique in Wireless Sensor Networks for Forest Fire Detection Thu Nga Le, Peter H J Chong, Xue Jun Li, and Wai Yie Leong
D038	Excellent Performance of DFE Based on IT2SNFS for Time-varying Channels Yao-Jen Chang, Chia-Lu Ho
D040	AN EFFECTIVE ALGORITHM FOR BUSINESS PROCESS MINING BASED ON MODIFIED FP-TREE ALGORITHM Gun-Woo Kim, Hak Soo Kim, Jinung Joo, Jin Hyun Son
D042	A New Procedure to Help System/Network Administrators Identify Multiple Rootkit Infections Desmond Lobo, Paul Watters and Xin-Wen Wu
D043	On New Opportunities of Saving Human Lives Using Mobile Phones Ondrej Matustik, Pavel Pesout
D046	A Transmission Power Control Adaptive to Variation of Node Density in Mobile Ad Hoc Network Clustering Ryotaro ODA, Tomoyuki OHTA, Yoshiaki KAKUDA
D047	An Improved Implementation of Brain Tumor Detection Using Soft Computing

	T.Logeswari M.C.A Mphil, Marcus Karnan
D049	Adaptive Approach for Reducing Energy Consumption, Considering Nodes' Mission in Wireless Sensor Networks Narges Arastouie, Masoud Sabaei, Hosseinali Shirali Shahreza
D052	User-Categorized Tags to Build a Structured Folksonomy Donghee Yoo, Yongmoo Suh
D054	Performance of UWB MIMO Systems with Rake Receive Processing Jinyoung An, Sangchoon Kim

15: 30 - 15: 40	Coffee Break
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SESSION – ICCSN -02

Session Chair: Dr. Shahin Rafiee

Time: 15:40 – 18:30

D055	Sentiment Classification based on Ontology and SVM Classifier Khin Phyu Phyu Shein
D058	Optimal power allocation for cooperative networks Yu Dong
D150	A New Load Balancing Algorithm in Parallel Computing Kamran Zamanifar, Naser Nematbakhsh, Razieh Sadat Sadjady
D153	IPv6 Addressing Architecture in IPv4 Network J. Gnana Jayanthi, S. Albert Rabara
D154	IPv6 MANET: An Essential Technology for Future Pervasive Computing GNANA JAYANTHI J.
D008	DCSE: A Dynamic Clustering for Saving Energy in Wireless Sensor Network Farzad Kiyani, Hmaidreza Tahmasebi_rad
D157	ECA Rule-based negotiation agent in e-commerce Farnaz Mahan, Ayaz Isazadeh
D207	Diversity Effect of OFDM Communication with IQ Imbalance in the Rayleigh Fading Channel Heung-Gyoon Ryu
D236	A Scalable Per-flow Priority Scheduling Scheme for High-Speed Network Guodong Li, Zhen chen, Anan Luo, Yibo Xue, Chuang Lin
D240	QoS-satisfied Dynamic Routing based on Overlay Service Network Amir Karamoozian, Mostafa Erfani, Abdul Hanan Abdullah
D261	Design and Analysis of Stream Cipher for Network Security C .S Lamba
D263	Design of Microstrip Filters Using Neural Network Geetam S Tomar, Vivek Singh Kushwah, Shilpam Saxena
D280	Modeling and Simulation of BLDC Motor Using Soft Computing Techniques Rakesh Saxena, Yogesh Pahariya, Aditya Tiwary
D059	Client's Perspective: Realization as a New Generation Process for Software Project Development and Management Rehan Akbar, M. Fadzil B Hassan, Sohail Safdar, M. Aasim Qureshi
D063	Dynamic Privacy Management in Ubiquitous Computing Environments

	Sukhwan Sogn and Jungyu Lee
D069	Framework for Alternate Execution of Workflows Under Threat Sohail Safdar, Mohd. Fadzil B. Hassan, Muhammad Aasim Qureshi, Rehan Akbar
D070	A $O(V + E)$ Time Shortest Path Algorithm For Non-Negative Weighted Undirected Graphs Muhammad Aasim Qureshi, Fadzil B. Hassan, Sohail Safdar, Rehan Akbar
D071	A Novel Handover Mechanism between Femtocell and Macrocell for LTE based Networks Haijun Zhang
D072	A Novel Particle Swarm Optimization – based Algorithm for the Optimal Communication Spanning Tree Problem Anh Tuan Hoang, Nhu Gia Nguyen, Vinh Trong Le
D073	Effect of SCTP Multistream Function Applied to Parallel Downloading Junichi FUNASAKA, Toshio NIYAGAWA, Kenji ISHIDA
D078	Mobile Web Services in Health Care and Sensor Networks Fahad Aijaz, Muzzamil Aziz Chaudhary, Bernhard Walke
D080	Securing cloud from DDOS Attacks using Intrusion Detection System in virtual machine AMAN BAKSHI, YOGESH B
D081	Dynamic Damage Evaluation of Network Availability Based on Index Correlation Adjustment Xing Wang, Hong-mei Ma, Hui He, Jing Liu
D086	An Enhanced Media-Independent Pre-Authentication Framework for Preventing Packet Loss Lun-Huo Yeh, Shun-Neng Yang, Wei-Kuo Chiang
D087	A New Method for Identification of MQAM Signals in Rayleigh Fading Channel Min Huang, Bingbing Li, Bing Lan, Yanling Li
D088	Finding optimal LSB substitution using Ant Colony Optimization Algorithm Ching-Sheng Hsu, Shu-Fen Tu
D093	VANET Security Framework for Trusted Grouping using TPM Hardware Asif Ali Wagan, Bilal Munir Mughal

Afternoon, Feb 28, 2010 (Sunday)

Room 311

SESSION – ICCSN - 03

Session Chair:

Time: 16:40-18:30

D115	An Imperceptible Frequency-Domain Watermarking Scheme without Resorting to the Original Image Shu-Fen Tu, Ching-Sheng Hsu
D116	Technical Networking – Chaining the Celebrations of Students, Industry and Research Raman.V.R, Srinivasan .R
D121	Improve Home Sensory & Controlling Network with Network based on IEEE-802.15.4 and Cloud Computing Tongzhou Wang, Teng Xi, Jie Yang, Guanjun Lian, Huiling Zhou
D138	THREAT RISK MODELING

	Sabah Al-Fedaghi, Asad Alrashed
D141	TESTABILITY MODELS FOR STRUCTURED PROGRAMS Chhattar Singh Lamba lamba
D142	Efficient Retransmission of RB-HARQ with LDPC Codes Chia-Sheng Tsai, Chian-Chi shih
D145	Analysis and Modification of Scheduling Algorithm for IEEE 802.16e (Mobile WiMAX) C. Ravichandiran, Pethuru Raj, Vaithyanathan
D147	Decentralized Multi-Group Communication Protocol Supporting Causal Order Chayoung Kim, Jinho Ahn
D217	Cross Layer Power Efficient Cooperative Diversity Scheme for Wireless Hybrid Ad Hoc Networks Yingji Zhong, Dongfeng Yuan, Kyung Sup Kwak
D094	Network Traffic Analysis and Intrusion Detection using Packet Sniffer Mohammed A Qadeer, Arshad Iqbal, Mohammad Zahid, Misbah ur Rahman Siddiqu
D105	Web Cache Consistency Maintenance Through Agents A. Kannammal, Rema Padmanabhan, N.Ch.S.N.Iyengar
D107	Identifying Masses in Mammograms Using Template Matching M.KARNAN, K.LOCHANAMBAL, P.EZHILARASU
D111	Face Recognition-based Convergence Communicator with Internet Telephony Sukhwan Sogn, Jungyu Lee

NOPT 2010**Morning, Feb 28, 2010 (Sunday)****Room 325 NOPT**

8:45 - 9: 25	Plenary Speech 6 Prof. R. K. Sinha, Head Delhi Technological University, India
9: 30 – 10:10	Plenary Speech 7 Dr. Sukhdev Roy, Dayalbagh Educational Institute, India
10:10 – 10:20	Coffee Break

SESSION – NOPT - 01

Session Chair:

Time: 10:20 – 11:20

L001	Employing the Forward Method to Improve Resolution of Conventional OTDR For Application In SHM Fatemeh Maasoumi, and Alireza Bahrampour
L002	Investigation of Mechanical Behavior of Defective Carbon Nanotubes using Molecular Dynamics Simulation S. C Chowdhury, S. N. Hossain Rubaiyat
L004	Low Cost Acrylic-based 1x2 Asymmetric Plastic Optical Fiber Coupler for Optical Code Generating Devices Abang Annuar Ehsan, Sahbudin Shaari, Mohd Kamil Abd Rahman
L005	Low-Loss Slow Light Transmission In Photonic Crystal Waveguides Comprising Of Liquid Crystal Infiltration Swati Rawal and R.K. Sinha
L008	Effect of different plasmonic Nano-inclusion on Double Negative-semiconductor photonic crystal in visible region: Gain assistance and All-Angle Negative Refraction Monika Rajput and R. K. Sinha
L011	Poly(Dimethylsiloxane) Microchip Capillary Electrophoresis For Determination Of Cholesterol Orawon Chailapakul
L012	PDMS Microchip Capillary Electrophoresis For Determination Of Thiol Compounds Sukanya Viriyatanavirote, Orawon Chailapakul, Weena Siangproh
L202	Performance Tendency of Gain and Noise Figure at Different EDFA Configurations Belloui Bouzid
L231	Effect of Carbon Nanotube on Damping Properties of Epoxy Naser Kordani, Abdolhosein Fereidoon, Mohammadreza Ashoori
L233	Slow Light Transmission in Chalcogenide Photonic Crystal Waveguide Bhuvneshwer Suthar, Ajay Kumar Nagar, Anami Bhargava

2010 IACSIT SINGAPORE CONFERENCES

L239	Application of ESR Technique To Distinguish The Phase And Size Of Tio ₂ Powders Kheamrutai Thamaphat, Weeranut Kaewwiset, Pichet Limsuwan
L010	Controlled Laser Transformation Hardening Of Martensitic Stainless Steel By Pulsed Nd:Yag Laser B. Mahmoudi, A.R. Sabour Aghdam, M. J. Torkamany
B430	Simulation of Optical Switching Based on Silica Directional Coupler Structure Disra Agifral Ary Syahriar

ICDIP 2010**Afternoon, Feb 27, 2010 (Saturday)****Room 308 ICDIP**

SESSION – ICDIP - 01

Session Chair:

Time: 13:30 – 15:30

P006	A new digital image watermarking using wavelet transform domain Hadi Pournader, Mohammad Firouzmand, Saeed Ayat
P007	Human Face Recognition by Euclidean Distance and Neural Network Chomtip Pornpanomchai, Chittrapol Inkuna
P010	Effect of Proportion on Stopping Hermann Grid HSiu Wen Wang, Shyh-Huei Hwang, C. F. lee
P017	Degraded Character Recognition Based on Gradient Pattern Ramesh Babu, Ravi Shankar, Manish Kumar
P018	A New Approach to Construct Generalized Local Voronoi Diagrams Via Digital Image Processing M. Ersin YUMER, Bilge KOCER, M. Bilgehan TOSUN
P020	Automated Radial Basis Function Neural Network based image classification system for diabetic retinopathy detection in retinal images ANITHA J, kezi selva vijila C, jude hemanth D
P021	Thai Handwritten Character Recognition by Euclidean Distance Chomtip Pornpanomchai, Pattara Panyasrivarom, Nuttakit Pisitviroj, Piyaphume Prutkraiwat
P023	Peak Load Demand Forecasting Using 2-Level Discrete Wavelet Decomposition and Neural Network Algorithm Pituk Bunnoon, Kusumal Chalermyanont, Chusak Limsakul
P026	Visual Hull Computation Based on Level Set Method XU Jian, WU XiaoJun, WEN Peizhi, SONG Peng
P027	Hybrid Particle Swarm Optimisation for Data Clustering Sing Loong Teng, Chee Seng Chan, Mei Kuan Lim, Weng Kin Lai
P030	Development of Neural Network Techniques for Finger-Vein Patterns Classification Jian-Da Wu, Chiung-Tsiung Liu, Yi-Jang Tsai, Jun-Ching Liu, Ya-Wen Chang
P033	A Hybrid Approach for Ellipse Detection in Real Images Dilip Prasad, Maylor K.H Leung
P034	Facial Image Recognition Using VQ Histogram in the DCT Domain Qiu Chen, Koji Kotani, Feifei Lee, Tadahiro Ohmi
P035	Fast and Efficient Search for MPEG-4 Video Using Adjacent Pixel Intensity Difference Quantization Histogram Feature Feifei Lee, Koji Kotani, Qiu Chen, Tadahiro Ohmi
P041	Spatial Wise Image Co-Clustering - A New Approach for Image Pair Segmentation Mariusz Paradowski
P042	Model-based Human Action Recognition

	Nattapon Noorit, Nikom Suvonvorn. Montri Karnchanadecha
P043	Feature Study And Analysis For Unseen Family Classification Mohammad Ghahramani, Hee Lin Wang, Wei Yun Yau, Eam Khwang Teoh
P047	Classification Fresh Aromatic Coconuts by using Polynomial Regression Suppachai Madue, Thanate Khaorapapong, Montri Karnjanadecha

15: 30 - 15: 40	Coffee Break
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SESSION – ICDIP - 02

Session Chair:

Time: 15:40 – 18:30

P052	Application of DCT and Binary Matrix Technique for Color Medical Image Compression G Uma Vetri Selvi, R Nadarajan
P059	Generation Algorithm of Craniofacial Structure Contour in Cephalometric Images Tanmoy Mondal, Asish Jain, Harish Sardana
P060	Solid model reconstruction from triangular meshes Tien-Tung Chung, Li-Chang Chuang, Jhe-Wei Lee, Shun-hsiung Hsu
P062	Interior photon absorption based adaptive regularization improves diffuse optical tomography Samir Kumar Biswas, Kanhirodan Rajan, Ram Mohan Vasu
P064	Automatic Classification of Bacterial Cells in Digital Microscopic Images Parashuram Bannigidad, P.S. Hiremath
P065	Embedded System based driver drowsiness detection system Syed Zahidul Islam, Mohd Alauddin Mohd Ali, Razali Jidin
P069	MRF Based Joint Registration and Segmentation of Dynamic Renal MR Images Dwarikanath Mahapatra, Ying Sun
P075	Statistical Tools for Evaluating Classification Efficacy of Feature Extraction Techniques Debdoot Sheet, Vikram Venkatraghavan, Amit Suveer, Hrushikesh Garud, Jyotirmoy Chatterjee, Manjunatha Mahadevappa, Ajoy Ray
P078	A Multi-Cue Based Algorithm For Skin Detection Under Varying Illumination Conditions Fangwen Zhai, Zehong Yang, Yixu Song, Peifa Jia
P079	Hybrid Method for Hand Segmentation Chompoo Suppatoomsin
P084	Efficient ECG Signal Analysis using Wavelet Technique for Arrhythmia Detection: An ANFIS Approach Prabhakar Khandait, Narendra Bawane, Shyamkant Limaye
P093	Wavelet Transform based Medical Image Enhancement using Human Visual Characteristics Manoj Alwani, Dushyant Goyal
P096	Image Interpolation By Adaptive 2-D Autoregressive Modeling Vinit Jakhetiya, Ashok Kumar, Anil Kumar Tiwari
P099	Color Retinal Image Coding Based on Entropy-Constrained Vector Quantization Agung Wahyu Setiawan, Andriyan Bayu Suksmono, Tati Rajab Mengko
P115	Pixel Color Feature Enhancement for Road Signs Detection Qieshi Zhang, Sei-ichiro Kamata
P118	Gesture Recognition based on Neural Networks

	Jeong Dr
P124	Bayesian Level Set Method Based on Statistical Hypothesis Test and Estimation of Prior Probabilities for Image Segmentation Yao-Tien Chen
P128	Polymorphic robotic system controlled by an observing camera Bilge KOCER, Tugce YUKSEL, M. Ersin YUMER, C. Alper OZEN, Ulas YAMAN
P129	Extracted Facial Feature of Racial Closely Related Faces Chalothorn Liewchavalit, Masakazu Akiba, Tsuneo Kanno, Tomoharu Nagao
P132	A Suervey on Image Interpolation Methods ashok kumar, vinit jakhetiya, Anil kumar Tiwari
P136	A Self Teaching Image Processing and Voice Recognition based Intelligent and Interactive System to Educate Visually Impaired Children asim iqbal, Umar Farooq, hassan mahmood
P149	An Improved Algorithm for Restoration of the Image Motion Blur wenshuo gao, lei yang, weiwei zheng, xiaoyu wu
P305	Enhancements in Medicine by Integrating Content Based Image Retrieval in Computer-aided Diagnosis Preeti Aggarwal, H.K. Sardana
P306	Segmentation of image using texture gradient, marker and scan based watershed algorithm Roshni VS, Dr Raju G Kurup
P307	A Novel approach to Transformed Biometrics using successive projections E.S.GOPI
P318	Cell Quantification And Watershed Segmentation In Time Lapse Microscopy Dr.RM.Suresh, N.Jayalakshmi
P322	Asymmetric Locating Position of Information Hiding against Tampering Yulin WANG
P327	Color Image Segmentation – A review Dr. Mrs. Kanchan S. Deshmukh
P330	Pre-Processing for Noise Reduction in Depth Estimation Seong-O Shim, A. Malik, Tae-Sun Choi

Morning, Feb 28, 2010 (Sunday)

Room 320 ICDIP

SESSION – ICDIP -03

Session Chair:

Time: 8:45 – 10:20

P331	Comparative Wavelet, PLP and LPC Speech Recognition Techniques On the Hindi speech digits Database Mr A N MISHRA, Dr M C Shrotriya
P338	An approach for ordered dither using Artificial neural network CHATTERJEE Arpitam, TUDU Bipan, PAUL Kanai Chandra
P339	Iris Detection based on Pupil Prospect Point and Horizontal Projections

	Muhammad Shahid and Dr. Tabassam Nawaz
P340	Face Detection In Color Images Using Skin Color, Laplacian Of Gaussian And Euler Number Shylaja S S, K N Balasubramanya Murthy, S Natarajan, Ramya S, Radhika S, Nikita J and Prateek R
P341	Feature Selection for Facial Expression Recognition using Deformation Modeling RuchirSrivastava, TerenceSim, Shuicheng Yan, Surendra Ranganath
P346	Pattern Recognition Based on Multi-Agent CHENG Xian-Yi, ZHU Qian and WANG Lili
P352	Image Retrieval Using Feature Extraction Based On Shape And Texture T.Tharani and M.Sundaresan
P358	User Region Extraction from Dynamic Projected Background for Virtual Environment System UHM Taeyoung, PARK Hanhoon, LEE Moon-Hyun, PARK Jong-Il
P361	Face Recognition by Hopfield Neural Network and No-balance Binary Tree Support Vector Machine Ke WANG, Haitao JIA
P363	Region of Interest based Robust Watermarking Scheme for Adaptation in Small Displays V.Sapthagirivasan, Kishore Mohan K B, Vemula Krishna Manohar
P366	Glomeruli Extraction by Canny Operator with an Eigenvalue Feedback Strategy ZHANG Jun, HU Jinglu, ZHU Hong
P370	Effective phonocardiogram segmentation using Time statistics and nonlinear prediction S.rajeswari, m.peer mohammed malik, s.brindha, s. Aranganathan
P372	Document Image Database Indexing with Pictorial Dictionary Mohammad Akbari, Reza Azmi
P375	Classification of Cast Iron Based on Graphite Grain Morphology using Neural Network Approach Pattan Prakash C, V.D. Mytri, P.S. Hiremath
P378	Multi-Hop Path Tracing Of Mobile Robot With Multirange Image Ramakanta Choudhury, Chandrakanta Samal, Dr Umakanta Choudhury
P379	Research and Realization of signal simulation on virtual instrument ZHAO Qi, HE Wenting, GUAN Xiumei
P384	Application of photogrammetry technology to industrial inspection ZHANG De-hai, LIANG Jin, GUO Cheng

10: 20 - 10: 30

Coffee Break

SESSION – ICDIP - 04

Session Chair:

Time: 10:30 – 12:10

P386	Wavelet Based technique for Texture Classification Yogita K. Dubey, A.D.Belsare
P388	Image Processing Techniques Applied To The Detection Of Optic Disk-A Comparison V.Vijaya Kumari,
P390	Association Rule Based Tuberculosis Disease Diagnosis ASHA.T, S. NATARAJAN

P391	Feature Based Registration Of Thorax X-Ray Images For Lung Disease Diagnosis R. P. Nugroho, A. Handayani, T. L. R. Mengko
P392	A Fuzzy Expert System Design for Diagnosis of Cancer Milindkumar V. Sarode, Dr. Prashant Deshmukh
P397	Simultaneous Detection of Randomly Arranged Multiple Barcodes Using Time Division Multiplexing Technique Saad Md. Jaglul Haider; Md. Kafiul Islam
P406	Performance Evaluation of MLP and RBF Feed Forward Neural Network for the Recognition of Off-Line Handwritten Characters Rahul Rishi, Amit Choudhary, Ravinder Kajal, Vijay Dhaka, Savita Ahlawat, Mukta Rao
P410	Image enhancement by curvelet, ridgelet & wavelet transform Vinay Mishra & Sr.Lect. Pallavi Parlewar
P420	A new threshold based median filtering technique for Salt & Pepper Noise removal Geeta Hanji, M.V.Latte
P452	Effect Of Selected Attribute Filters On Watermarks Florence Tushabe and Michael. H. F. Wilkinson
P455	Biometric Image Enhancement using Decision Rule Based Image Fusion Techniques G Mary Amirtha Sagayee, Dr S Arumugam
P464	A Study of Interval-Valued Fuzzy Morphology based on the Minimum-Operator M. Nachtegae, P. Sussner, T. Melange, E.E. Kerre
P466	Three-Dimensional Modeling of Plants: A Review Zhi-yong Bai, Xin-yuan Huang
P467	Using Ontology for Domain Specific Information Retrieval H.L.Shashirekha, S.Murali, P.Nagabhushan
P468	Genetic Algorithm and Evolvable Hardware for Adaptive Filtration and Analysis using Texture, Color and Boundary Vandana.V, Soumya Raja
P471	Symmetry Based Fast Marching Method for Icosahedral Virus Segmentation Guihua shan, Jun Liu, Liang Ye, Xuebin Chi
P472	Satellite Image Compression Using Wavelet Alb. Joko Santoso, F. Soesianto, B. Yudi Dwiandiyanto
P476	Knowledge Base Image Classification Using P-Trees Dr. M.Seetha, Mr. G. Ravi
P480	Decoding of QOSTBC Concatenates RS Code Using Parallel Interference Cancellation Zhenghang Yan, Yilong Lu, Maode Ma, Yuhang Yang
P481	Color-SIFT model: A robust and an accurate shot boundary detection algorithm M Sharmila Kumari and B H Shekar
P400	Tolerance Extended with Kernel FCM for Effective Data Clustering SR. Kannan, A. Sathya, S Ramathilagam
P049	Supervised Colour Image Segmentation Using Granular Reflex Fuzzy Min-Max Neural Network Abhijeet Nandedkar
P050	CT Image Retrieval Using Dual Tree Complex Wavelet Packet Transform Manesh Kokare

March 1, 2010 (Monday)

Time: 09:30 – 17:00

Singapore One Day Tour (Free of Charge)

Please register at the registration counter on Feb.26, 2010



Instructions for Oral Presentations

Devices Provided by the Conference Organizer:

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Materials Provided by the Presenters:

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Duration of each Presentation (Tentatively):

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Plenary Speech: 40 Minutes of Presentation 5 Minutes of Q&A

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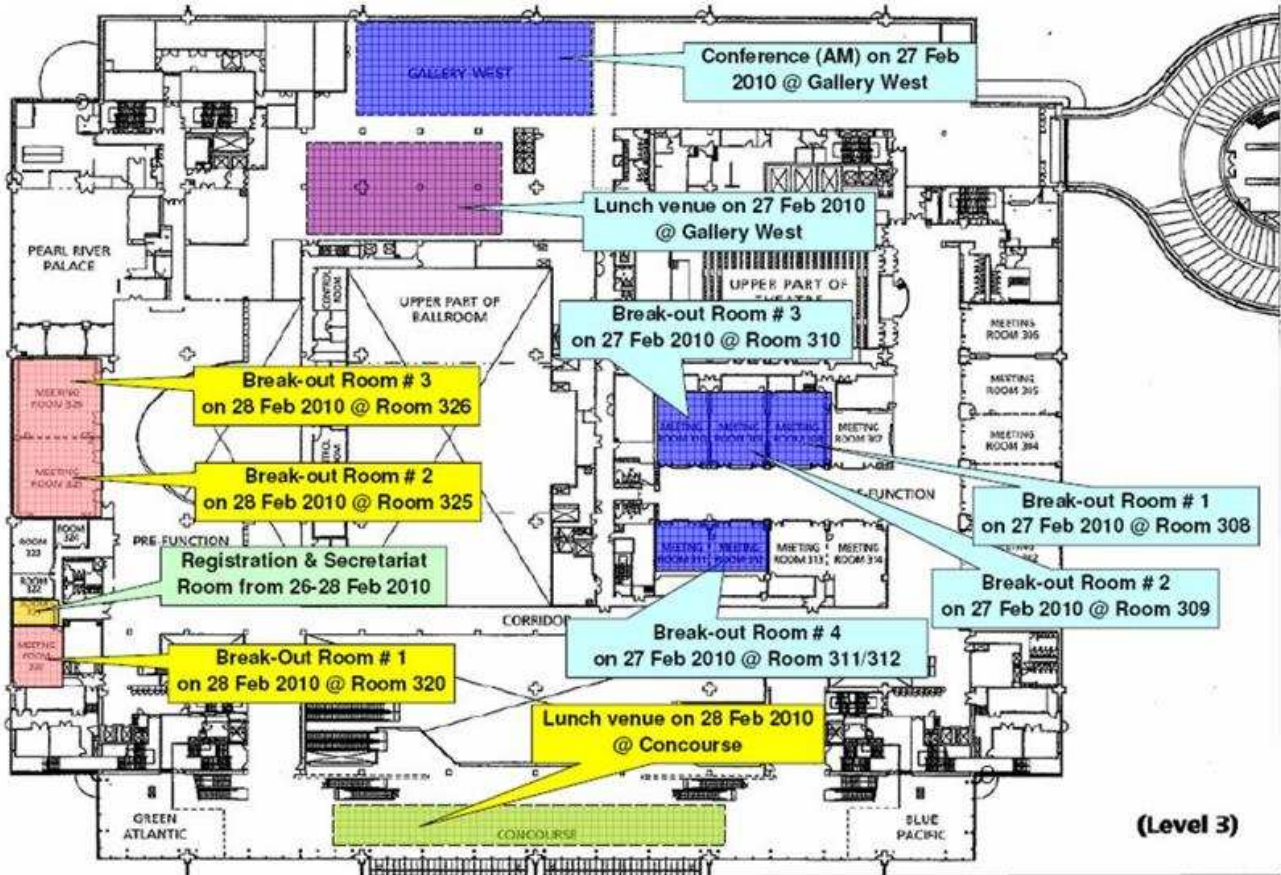
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170 Bencoolen Street - 189657 - SINGAPORE

Tel : (+65)65932888 | Fax : (+65)65932889

Website: <http://www.ibishotel.com/gb/hotel-6657-ibis-singapore-on-bencoolen/nearby.shtml>



Ibis Singapore on Bencoolen is the first international economy hotel in Singapore and is located in the business and cultural centre. Its 538 modern rooms feature high ceilings and large bay windows, and Ibis Singapore on Bencoolen is close to Singapore attractions with Changi Airport just 20 minutes away. Stroll down the spice scented streets of Little India, spot a bargain at the nearby Bugis Street and Orchard Road shopping districts, or enjoy the Asian tapas menu at the hotel restaurant.

2) Conrad International Centennial Hotel★★★★★

Two Temasek Boulevard, Singapore 038982

Room Reservations | Tel: +65 6432 7192| Fax: +65 6432 7198| E-mail: sincici.res@conradhotels.com

Website | <http://conradhotels1.hilton.com/en/ch/hotels/index.do?ctyhocn=SINCICI>



The Conrad Centennial Singapore, an award-winning luxury business hotel, is strategically located in the heart of Singapore's liveliest and largest business, historical, cultural and shopping districts of Marina Bay, Millenia Walk and Suntec Singapore. The hotel also enjoys close proximity to Singapore's central business district and is a 20-minute drive from Singapore's Changi International Airport.

The Conrad Centennial Singapore is a 31-storey hotel offering 507 exquisitely furnished guest rooms, including 25 suites, all with panoramic views of Singapore city and bay. Each of the hotel's guest rooms offers luxurious home comforts with excellent in-room amenities, combined with Conrad's unique brand of highly personalised service. For the convenience of the business traveller, the Conrad Centennial Singapore's guest rooms are equipped with three speakerphones with direct international dial, computer modem facilities and high-speed broadband Internet access.

Conference Secretariat Contact:

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