



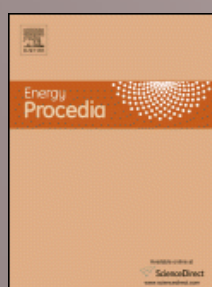
2011 4th International Conference on Machine Vision (ICMV 2011)

2011 International Conference on Energy Systems and Electrical Power (ESEP 2011)

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CONFERENCE PROGRAM

Singapore, December 9 - 10, 2011

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Welcome to ICMV 2011 and ESEP 2011

Welcome to the 2011 4th International Conference on Machine Vision and 2011 International Conference on Energy Systems and Electrical Power. We're confident that over the two days you'll get the theoretical grounding, practical knowledge, and personal contacts that will help you build long-term, profitable and sustainable communication among researchers and practitioners working in a wide variety of scientific areas with a common interest in improving Machine Vision, Energy Systems, Electrical Power and related techniques.

Oral Presentation Schedule

Day 1, Friday, December 9, 2011

Registration: Hotel Lobby

10:00am-17:00pm	Arrival, Registration and Conference material collection
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Day2, Saturday, December 10, 2011

PLENARY SESSION: Room Re!Union

08:30am-08.45am	Opening Remarks, <i>Dr. Jianhong Zhou, Singapore Institute of Electronics</i>
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08:45am-09:25am	Keynote Speech I <i>Professor G.R.SINHA, Shri Shankaracharya Group of Institutions, India</i>
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09:25am-09:40am	Coffee Break
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09:40am-10:20am	Keynote Speech II <i>Professor Kasi Periyasamy, University of Wisconsin-La Crosse, USA</i>
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10:20am-11:00am	Keynote Speech III <i>Professor MAODE MA, Nanyang Technological University, Singapore</i>
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11:00am-11:15am	Plenary Photo
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LUNCH

11:30am-12:30pm	Buffet Lunch
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12:30pm-17:30pm

12:30pm-15:30	Session I: <u>Room Re!Union</u> Session Chair: <i>Milan Chalupa, University of Defence, the Czech Republic</i>
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V003	Fuzzy Regularized Linear Discriminant Analysis for Face Recognition <i>Mehran Aghaei Taghliabad, Negar Baseri Salehi and Shohreh Kasaei Sharif University of Technology, International Campus, Kish Island, Iran</i>
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V004	Employing Grayscale Fonts with Equivalent Luminance of Background Colours to Discourage Grayscale Photocopying <i>Hoong-Cheng Soong Universiti Tunku Abdul Rahman (UTAR), Malaysia</i>
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V006	Design and Development of LED Based Irregular Leather Area Measuring
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		Machine Rehan Adil and Sarah Jamal Khan <i>Karachi Institute of Economics and Technology, Pakistan</i>
	V007	Ghost Removal for Background Subtraction using Color Similarity Comparison Zulaikha Kadim , Liang Kim Meng, Norshuhada Samudin, Khairunnisa M. Johari and Hon Hock Woon <i>MIMOS BERHAD, Korea</i>
	V010	Review of Intelligent Video Surveillance with Single Camera Ying Liu , Jiu-lun Fan and Dianwei Wang <i>Xi'an University of Post and Telecommunications, China</i>
	V012	Blowhole Detection Algorithm Using Texture Analysis Doo-chul Choi , Yong-Ju Jeon, Jong Pil Yun, and Sang Woo Kim <i>POSTECH, Korea</i>
	V014	A Review of SMD-PCB Defects and Detection Algorithms Ahmad Fadzil Mohd Hani, Aamir Saeed Malik, Raja Kamil and Chung-Mun Thong <i>Universiti Putra Malaysia</i>
	V015	A Robust Human Face Detection Algorithm Thaluru Raviteja , Srikrishna Karanam and Dinesh Reddy V Yeduguru <i>National Institute of Technology Warangal, India</i>
	V016	Design and Simulation of an Image-Based Fuzzy Tracking Controller for a Wheeled Mobile Robot Ying Shing Shiao and Ching Wei Wu <i>National Chang-hua University of Education, Taiwan</i>
	V018	Hardware Architecture of OFCE-HS for Hardware Implementation Ruzali Rustam , Nor Hisham Hamid and Fawnizu Azmadi Hussin <i>Universiti Teknologi Petronas (UTP), Malaysia</i>
	V026	Design of Programmable Intelligent Cell Phone Jammer E.Divya and R.Aswin <i>Easwari engineering college , Chennai-600089, Tamil Nadu, India</i>
	V029	Eye and Mouth Localization for Various Imaging Conditions Images M. Hanafi , M. Petrou, A. R. Ramli and W. A. W. Adnan <i>Imperial College/Universiti Putra Malaysia</i>
	V030	Vehicle Track Loading Simulation Milan Chalupa , Libor Severa, Radek Vlach <i>University of Defence, the Czech Republic</i>
	V035	Using Discrete Tchebichef Transform on Speech Recognition Ferda Ernawan , Edi Noersasongko and Nur Azman Abu <i>Universitas Dian Nuswantoro, Indonesia</i>
	V036	Iris Identification System Based on Fourier Coefficients and Singular Value Decomposition Sawet Somnugpong , Suphakant Phimoltares, Saranya Maneeroj <i>Chulalongkorn University, Thailand</i>
	V1012	Neural Network-Based Brain Tissue Segmentation in MR Images Using Extracted Features from Intraframe Coding in H.264 Mehdi Jafari and Shohreh Kasaei <i>Islamic Azad University, Kerman Branch, Iran</i>
	V2015	Analysis of the Deposition of Biocompatible Hydroxyapatite Coatings

		Enriched with AgNO ₃ Zbyněk Studený <i>University of Defence, the Czech Republic</i>
15:30pm-15:45pm	Coffee Break	
15:45pm-17:30pm	Session II: <u>Room ReUnion</u> Session Chair: Rosko Peter , Vienna University of Technology, Austria	
	F005	Determine the optimal number and position of damping viscose (MR) in seismic vibration control of buildings to use genetic algorithms (Fuzzy Eng. Application) Farzad Hatami , Esmail Karimi <i>Research Institute of Petroleum Industry (R.I.P.I.), Iran</i>
	F011	A PROPOSED ALGORITHM FOR SOLVING FUZZY MULTIPLE OBJECTIVES LINEAR PROGRAMMING PROBLEMS Mohsen Darbani and Farhad Roohi <i>Zanjan University, Iran</i>
	F014	A Fuzzy Optimal Threshold Technique for Medical Images T.K.BALAJI , K.KRISHNAVENI and S.PRADEEP KUMAR KENNY <i>Velammal Engineering College, Chennai affiliated to ANNA UNIVERSITY, Chennai, India</i>
	F015	Defect Density: A review on the Calculation of Size Program Nurdattillah Hasim and Aedah Abdul Rahman <i>Malaysian Institute of Information Technology, Universiti Kuala Lumpur, Malaysia</i>
	F016	Fuzzy Based Power Factor Improvement Strategy for a Multiple Connected AC-DC Converter Fed Drive Narayanasamy Radhakrishnan and Muthiah Ramaswamy <i>Annamalai University, Tamil Nadu, India</i>
	F019	An application of ranking function of fuzzy numbers to solve fuzzy revised simplex algorithm and fuzzy decomposition algorithm Mohsen Rostamy-Malkhalifeh and Homa Farajollahi <i>Teacher Training University, IRAN</i>
	F2005	Modeling and Optimizing Electro Discharge Machine Process (EDM), with an Approach based on Genetic Algorithm Iman Zabbah <i>Islamic Azad University, Torbat-e-Heydarieh Branch, IRAN</i>
	F2008	Longest Jobs First Algorithm in Solving Job Shop Scheduling Using adaptive Genetic Algorithm(GA) Vahid Alizadeh Sahzabi , Iman Karimi, Navid Alizadeh Sahzabi and Peiman M Barnaghi <i>National University of Malaysia</i>
	F006	Investigating the effect of software project type on accuracy of software development effort estimation in COCOMO Model Vahid Khatibi , Elham Khatibi <i>Research Institute of Petroleum Industry (R.I.P.I.), Iran</i>
	F023	Design of a Robust and Adaptive Fuzzy Logic based Power System Stabilizer (RAFLPSS) for damping low frequency electro-mechanical oscillations Mahabooba Abdurrahim , Abdullah Khan and Edriss Ali Ahmed <i>Al Ghurair University, Dubai, U.A.E</i>

	F031	Fuzzy Control Based Five-Step Li-Ion Battery Charger by Using AC Impedance Technique Houshyar Asadi , Seyed Hamid Reza Aghay Kaboli, Arash Mohammadi and Maysam Oladazimi <i>University of Malaya students, Malaysia</i>
	F032	Evaluation and Comparison of Dempster-Schafer, Weighted Dempster-Schafer and Probability Techniques in Decision Making Jeremy Straub <i>University of North Dakota, USA</i>
	F2029	Structural Topology Optimization with Fuzzy Constraint Rosko Peter <i>Vienna University of Technology, Austria</i>
	F036	Engineering application based on fuzzy approach Marius Pislaru , Silvia Avasilcai and Alexandru-Florentin Trandabat <i>Technical University "Gh. Asachi" of Iasi, ROMANIA</i>
	F2002	Gas Demand Forecasting By a New Artificial Intelligent Algorithm Vahid Khatibi , Elham Khatibi and Mahboubeh Afzali <i>Islamic Azad University, Bardsir Branch</i>
	F034	STABILIZATION BALL AND BEAM BY FUZZY LOGIC CONTROL STRATEGY Houshyar Asadi , Arash Mohammadi and Maysam Oladazimi <i>University of Malaya students, Malaysia</i>
12:30pm-15:30pm	Session III: <u>Room Re!Call</u> Session Chair: ASHWANI KUSH , University College Kurukshetra University India	
	C006	Research on the Safety Evaluation Index of Urban Rail Transit Network Operation XUEMEI XIAO AND XI WANG <i>School of Traffic and Transportation, Beijing Jiaotong University, Beijing, China</i>
	C009	A New Distributed Systems Scheduling Algorithm: A Swarm Intelligence Approach MOSTAFA HAGHI KASHANI, RAHELEH SARVIZADEH AND MAHDI JAMEII <i>Computer Engineering Department, Islamic Azad University, Shahr-e-Qods Branch, Tehran, Iran</i>
	C032	A Swarm Intelligence Based Memetic Algorithm for Task Allocation in Distributed Systems RAHELEH SARVIZADEH AND MOSTAFA HAGHI KASHANI <i>Computer Engineering Department, Islamic Azad University, Islamshahr Branch, Tehran, Iran</i>
	C012	Using Virtual Machine Monitors to Overcome the Challenges of Monitoring and Managing Virtualized Cloud Infrastructures MERVAT ADIB BAMIAH , SARFRAZ Nawaz BROHI AND SURIAYATI CHUPRAT <i>Advanced Informatics School, Universiti Teknologi Malaysia, Kuala Lumpur Malaysia</i>
	C013	A Group-Based Tasks Allocation Algorithm for the Optimization of Long Leave Opportunities in Academic Departments S. D. EYONO OBONO AND SUJIT KUMAR BASAK <i>Department of Information Technology, Durban University of</i>

		<i>Technology, South Africa</i>
	C014	Making MANET Secured Against Malicious Attack ASHWANI KUSH , SUNIL TANEJA AND SHAGUN <i>University College Kurukshetra University, India</i>
	C015	Optimization of Knowledge Sharing through Multi-Forum using Cloud Computing Architecture SRIRAM MADAPUSI VASYUDEVAN ,SRIVATSAN SANKARAN,PROF M SHANMUGHASUNDARAM AND DR. N SANKAR RAM <i>Velammal Engineering College Affiliated to Anna University, India</i>
	C018	A Survey on Open Source Software Testing Tools: A Preliminary Study in 2011 SEYED AMIR EMAMI, JASON CHIN LUNG SIM AND KWAN YONG SIM <i>School of Engineering, Computing and Science, Swinburne University of Technology Sarawak Campus, Malaysia</i>
	C036	An Enhancement of Bayesian Inference Network for Ligand-Based Virtual Screening using Minifingerprints ALI AHMED ,AMMAR ABDOAND AND NAOMIE SALIM <i>Faculty of Computer Science and Information Systems, UniversitiTecknologi, Malaysia</i>
	C021	Efficient storage management for distributed storage system MYAT PWINT PHYU AND NI LAR THEIN <i>University of Computer Studies, Yangon, Myanmar</i>
	C024	Locating Algorithm Being Needless to Harbor Based on the Quality in Wireless Sensor Networks MIRALI SHARIFI , FATEMEHTOUSI AND TOFIQ KAZIMOV <i>Bonab branch Islamic azad university. Iran</i>
	T20002	An Object Oriented Multidimensional Model forData Warehouse ANJANA GOSAIN AND SUMAN MANN <i>Associate Prof. USIT, Guru Gobind Singh Indraprastha University, Delhi, India</i>
	T20013	Architecture for decision making in a home safety system ILKKAUUSITALO AND MATTI MANTERE <i>VTT Technical Research Centreof Finland, Finland</i>
	T30005	DTMF Based pH-COP System S.MOHAMMED FABIN AND M.P.PRAVESH <i>ANNA UNIVERSITY, India</i>
15:30pm-15:45pm	Coffee Break	
15:45pm-17:30pm	Session IV: <u>Room Re!Call</u> Session Chair: PABITRA MOHAN KHILAR , National Institute of Technology	
	C019	Heartbeat Based Error Diagnosis Framework For Distributed Embedded Systems SWAGAT MISHRA AND PABITRA MOHAN KHILAR <i>National Institute of Technology, Rourkela, India</i>
	C044	NBTI Aware HLS using Latches RAMRAKESH JANGIR AND KALYAN SINGH YADAV <i>Manmohan Memorial Polytechnic Hattimunda (Morang) Nepal</i>

	C053	Efficient Indexing and Searching Framework for Unstructured Data KYAR NYO AYE AND NI LAR THEIN <i>University of Computer Studies, Yangon, Myanmar</i>
	C058	Software Cost Estimation Using Class Point Metrics (CPM) ADITI GHODE AND KASILINGAM PERIYASAMY <i>University of Wisconsin-La Crosse, USA</i>
	C059	UsiFe: An User Space Filesystem with Support for Intra File Encryption ROHAN SHARMA, PRATHMESH KALLURKAR, SAURABH KUMAR AND SMRUTI R. SARANGI <i>Indian Institute of Technology, Delhi, India</i>
	C070	Traffic Sign Recognition by Color Segmentation and Neural Network THONGCHAI SURINWARANGKON, SUPOT NITSUWAT AND ELVIN J. MOORE <i>King Mongkut's University of Technology North Bangkok, Thailand</i>
	C072	Simplifying Query-Answering Problems by Unfolding KIYOSHI AKAMA AND EKAWIT NANTAJEEWARAWAT <i>Information Initiative Center, Hokkaido University, Japan</i>
	C073	Application Safety Enhancement Model Using Self Checking with Software Enzymes CHANDRASEKARAN SUBRAMANIAM, ARTHI RAVISHANKAR, DEEPTHI GOPAL AND DHAARINI SUBRAMANIAN <i>Rajalakshmi Engineering College, Chennai, INDIA</i>
	C074	B2B Collaboration Method through Trust Values for e-Supply Chain Integrator: A-Case Study of Malaysian Construction Industry NORSHAKIRAH AB AZIZ, ROHIZA AHMAD AND DHANAPAL DURAI DOMINIC <i>Computer and Information Sciences Department, Universiti Teknologi petronas, Malaysia</i>
	C076	MIYAESI: Leveraging Java Sound Programming Interface for Automatic Music Transcription HASITHA ABEYKOON, THILANKA KAUSHALYA, NAJLA AKRAM, ASANKA DISSANAYAKA, SHAHANI WEERAWARANA AND CHATHURA DE SILVA <i>University of Moratuwa. Sri Lanka</i>
	T30008	A comparison of clustering algorithms in article recommendation system SUPAPORN TANTANASIRIWONG <i>Asian Institute of Technology, Thailand</i>

CLOSE

Instructions for Oral Sessions

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 10 Minutes of Presentation 5 Minutes of Q&A
- ✦ Keynote Speech: 40 Minutes of Presentation including 5 Minutes of Q&A

✧ **Poster Sessions will be conducted during the whole day.**

About Keynote Speakers

Dr. G.R.Sinha-*Computer aided Diagnosis System for Early Detection of Breast Cancer*



Dr. G.R.Sinha is Professor (Electronics & Tele.) & Associate Director in Faculty of Engineering and Technology of Shri Shankaracharya Group of Institutions (Technical Campus) Bhilai, India. He obtained his B.E. (Electronics) and M.Tech. (Computer Technology) from Govt. Engineering College (Now National Institute of Technology, Raipur). He received Gold Medal for obtaining first position in the University. He received his Ph.D. in Electronics & Telecommunication from Chhattisgarh Swami Vivekanand Technical University, India. His research interest includes Digital Image Processing and its applications in biometric security, forensic science, pattern recognition, early detection of breast cancer, content retrieval of underwater imaging, neuro - fuzzy based Vehicle license plate recognition, multimodal biometrics etc.

Dr. Kasi Periyasamy- *Software Cost Estimation Models – An Overview*



Dr. Kasi Periyasamy graduated with B.Eng (Hons) in Electronics and Communication Engineering from University of Madras, India in 1981, M.Eng from Anna University, India in 1983, M.Comp.Sci in 1987 and Ph.D. in 1991 both from Concordia University, Montreal, Canada. He joined the University of Manitoba, Winnipeg, Canada in 1991 and moved to the University of Wisconsin-La Crosse, USA in 1999 where he is currently a Full professor. He is the Program Director for the Master of Software Engineering program at UW-La Crosse. He taught several courses at the graduate level both at the University of Manitoba and at the University of Wisconsin-La Crosse, including Formal Methods in Software Development, Software Verification and Validation, User Interface Design, and Software Metrics and Software Reuse.

Dr. Maode MA- *to be announced*



Dr. Maode Ma received his BE degree from Tsinghua University in 1982, his ME degree from Tianjin University in 1991 and his Ph.D. degree in computer science from Hong Kong University of Science and Technology in 1999. Now, Dr. Ma is an Associate Professor in the School of Electrical and Electronic Engineering at Nanyang Technological University in Singapore. He has extensive research interests including wireless networking and wireless network security. He has led and/or participated in around 20 research projects funded by government, industry, military and universities in various countries. He has been a member of the technical program committees for more than 100 international conferences. He has been a general chair, technical symposium chair, tutorial chair, publication chair, publicity chair and session chair for more than 50 international conferences. Dr. Ma has more than 200 international academic publications including more than 70 journal papers, more than 140 conference papers and/or book chapters, and 3 academic books. Dr. Ma is the Editor-in-Chief of International journal of Electronic Transport and Topic Editor-in-Chief of International Journal of the Advancements in Computing Technology. He currently serves as an Associate Editor for IEEE Communications Letters, a Senior Editor for IEEE Communications Surveys and Tutorials, and an Associate Editor for International Journal of Network and Computer Applications, International Journal of Security and Communication Networks, and International Journal of Wireless Communications and Mobile Computing. Dr. Ma is a senior member of IEEE Communication Society and IEEE Education Society and a member of a few technical committees in the IEEE Communication Society.

Conference Venue

Hotel Re! @ Pearl's Hill Singapore

175A Chin Swee Road, Singapore 169879

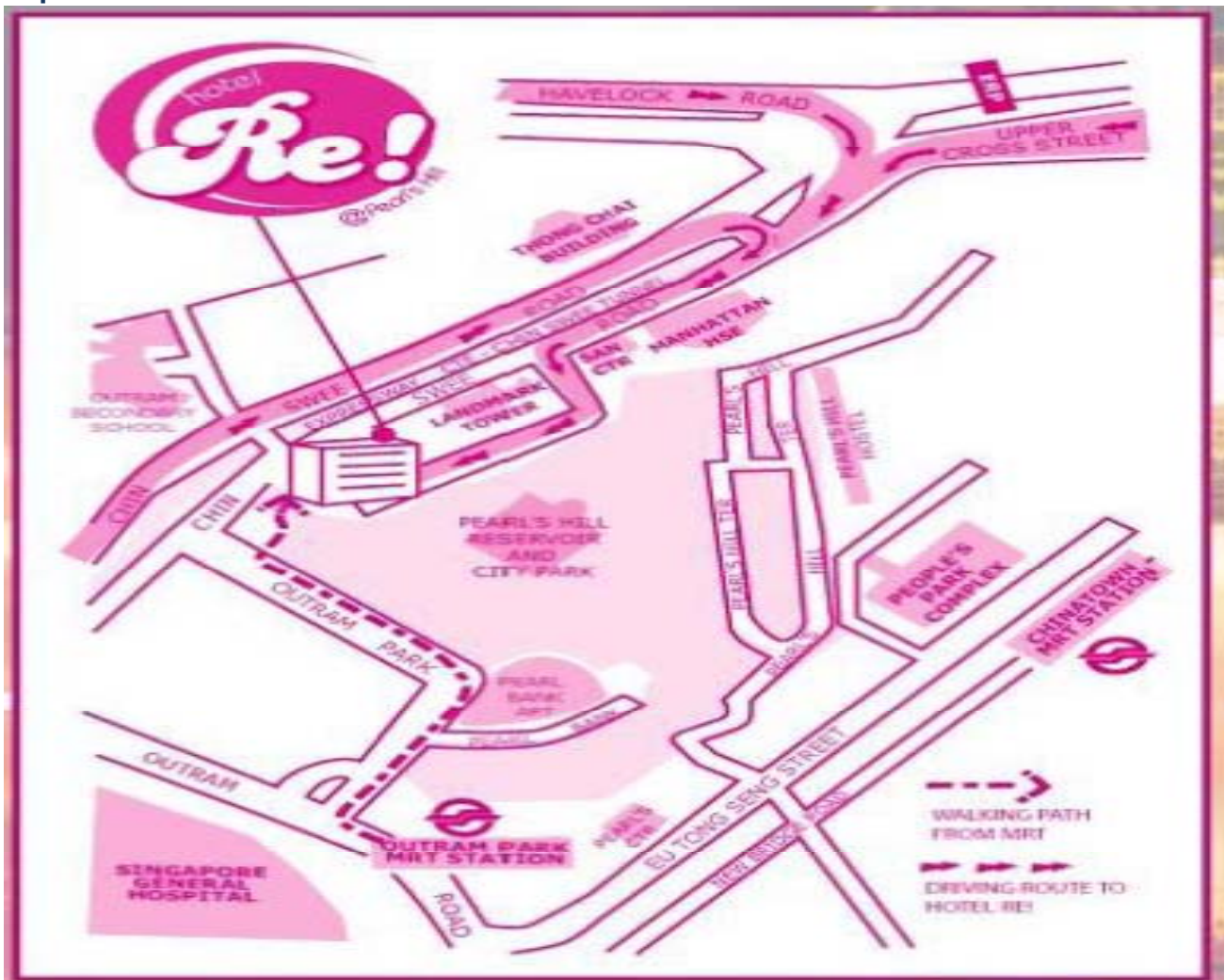
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Website: <http://www.hotelre.com.sg/>

As you step into Hotel Re!, a modern retro themed boutique hotel, you are lost in swirls of vivacious colours and psychedelic furnishings tempered with a sleek modern touch. With numerous themed boutique hotels in the metropolis, this 12-storey, 140-room boutique hotel is a wondrous surprise waiting to be discovered.

All guestrooms in this boutique hotel are furnished with retro inspired furniture and complimented with ultra modern technology for that for that unique Hotel Re! touch. Each floor in this boutique hotel has its own colour theme and all the rooms on the floor resonates with the designated colour and décor. Glittery mosaic-tiled bathrooms in all rooms are the finishing flourish to our distinctive boutique hotel is offering.

Map:



Getting Here:

Buses at Chin Swee Road: 174, 174E

Buses at Outram Park MRT: 33, 63, 75, 174, 851, 970, 174E

Nearest MRT Station: Outram Park Mrt Station (Exit B)

Walking signs along the route

[Click here](#) to download 7-minutes Pictorial Walking Guide from Outram MRT to Hotel Re!