

**WORLD CONGRESS ON SCIENCE, ENGINEERING AND TECHNOLOGY**



**WCSET 2008**  
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**CONFERENCE PROCEEDINGS**

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**CONFERENCE VENUE**

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**WCSET 2008 PROGRAM**

Time	Paper Title	Authors
<b>Saturday: November 22, 2008</b>		
08:30 - 09:00	<b>Welcome &amp; Registration</b>	<b>Opening Remarks</b>
09:00 - 11:00	<b>Chair: Viktor Ten</b>	<b>Session – I</b>
	Application of "Multiple Risk Communicator" to the Personal Information Leakage Problem	Mitsuhiro Taniyama, Yuu Hidaka, Masato Arai, Satoshi Kai, Hiromi Igawa, Hiroshi Yajima, and Ryoichi Sasaki Tokyo Denki University, Tokyo, Japan
	Security for Micro Server	Nguyen Thanh Hoa, Yoshiyasu Takefuji Graduate School of Media and Governance, Keio University, Kanagawa, Japan
	An innovational Intermittent algorithm in NOC	Ahmad M. Shafiee, Mehrdad Montazeri, Mahdi Nikdast Computer Department, Islamic Azad University (Najafabad branch), Isfahan, Iran
	Auto Tuning of Pid Controller for MIMO Processes	Madhukar Lengare, R. H. Chile, L. M. Waghmare, Bhavesh Parmar, Ramrao Adik Institute of Technology, Navi Mumbai MH 400 706, India
	Rectifier Low Order Harmonics Reduction Technique - Educational Approach	Yahya A. Asiri & Ibrahim. M. El-Amin Saudi Aramco Head Quarter, Dhaharan, Saudi Arabia
	Design of nonlinear robust control in a class of structurally stable functions	Viktor Ten Astana, Kazakhstan
	Variable Structure Model Reference Adaptive Control, for Vehicle Steering System	Ardeshir Karami mohammadi, Mohammadreza Saeed No. 10, Abedzade alley, Shohadaye sadeghie Bulevard, Sattarkhan street, Tehran, IRAN, Postcode: 1451743791
	Critical Factors to Company Success in the Construction Industry	Gokhan Arslan and Serkan Kivrak Anadolu University Civil Engineering Department Iki Eylul Campus 26555 Eskisehir Turkey
	A Deterministic Polynomial-time Algorithm for the Clique Problem and the Equality of P and NP Complexity Classes	Zohreh Akbari Payame Noor University, Tehran, Iran
	Evaluation Framework For Agent-Oriented Methodologies	Zohreh O. Akbari and Ahmad Faraahi Payame Noor University, Tehran, Iran
	Concepts for Designing Low Power Wireless Sensor Network	Bahareh Gholamzadeh, Maryam Ghamati, and Hooman Nabovati, Sadjad Institute of Higher Education, Iran
	Six Indicators As Parameters For Measuring Values Of The Most Common Ten Foreign Pediatrics Journal In Bosnia And Herzegovina	Bajraktarevic Adnan Public Health Institution of Canton Sarajevo-Health Center Sarajevo - Pediatrics Department
	Asymptotic Approach for Rectangular Microstrip Patch antenna With Magnetic Anisotropy And Chiral Substrate	Zebiri Chemseddine, and Benabdelaziz Fatiha Electrical Engineering Department, Ferhat Abbas University, Setif, 19000 Algeria
	A novel prostate segmentation algorithm in TRUS images	Ali Rafiee, Ahad Salimi, Ali Reza Roosta Islamic Azad University-Kazeroun Branch, Kazeroun, Iran
	A Neural network model predicting separation efficiency of compact axial cyclonic separator	Nadeem Qazi, Dr Hoi Yeung Cranfield University, School of Engineering, UK

11:00 11:15	<b>Coffee Break</b>	
11:15 13:00	<b>Chair: Ginalber L. O. Serra</b>	<b>Session – II</b>
	Maximum Common Substructure Extraction in RNA Secondary Structures Using Clique Detection Approach	Shih-Yi Chao Computer Science and Information Engineering Department, Ching Yun University, Jung-Li City, Taiwan Ginalber L. O. Serra
	Robust Adaptive ELS-QR Algorithm For Linear Discrete Time Stochastic Systems Identification	Federal Center of Technological Education of the Maranhão Department of Electro-Electronics Laboratory of Computational Intelligence and Control, Brasil
	An automatic pipeline monitoring system based on PCA and SVM	Chunfeng Wan, Akira Mita Department of System Design Engineering, Keio University, Hiyoshi, Yokohama, Japan
	Networked System Modeling and its Access Control Characteristic Analysis	Akira Kanaoka, Masahiko Kato, Nobukatsu Todo, Eiji Okamoto, Graduate School of Systems and Information Engineering, University of Tsukuba, Japan
	Study on Damage Tolerance Behavior of Integrally Stiffened Panel and Conventional Stiffened Panel	Muhammad Adeel Institute Of Space Technology
	Automated Fuzzy Tuning Algorithm For Controlling A Hydraulic Position Servo	Ayman A. Aly Taif Univeristy, Faculty of Engineering, Kingdom of Saudi Arabia
	Maximum Power Control of Hybrid Wind-Diesel-Storage System	Elkhatib Kamal, Magdy Koutb, Abdul Azim Sobaih, and Sahar Kaddah, Industrial Electronics and Control Dept., Faculty of Electronic Engineering, Menoufia University, Menouf, Egypt
	A Novel Hybrid Mobile Agent Based Distributed Intrusion Detection System	Amir Vahid Dastjerdi, Kamalrulnizam Abu Bakar Centre for Advanced Software Engineering, Universiti Teknologi Malaysia, City Campus, Jalan Semarak, 54100, Kuala Lumpur, Malaysia
	Adaptation Learning Speed Control for a High-Performance Induction Motor using Neural Networks	M. Zerikat and S. Chekroun Department of Electrical and Computer Engineering, Laboratory of Automatic and Analysis Systems, Higher School of ENSET, Oran, Algeria
	Service Identification Approach To SOA Development	Nafise Fareghzadeh Islamic Azad University- Zanjan
	Recycling of Tungsten alloy Swarf	A.A. Alhazza Department of Chemical Engineering, Loughborough University, Loughborough, Leicestershire, LE11 3TU, UK
	A new approach to annotate the text's of the websites and documents with a quite comprehensive knowledge base	Mohammad Yasrebi, Mehran Mohsenzadeh, and Mashalla Abbasi-Dezfuli Islamic Azad University, Shiraz, Iran
	Performance of Soft Handover Algorithm in Varied Propagation Environments	N.P.Singh & Brahmjit Singh Electronics and Communication Engineering Department National Institute of Technology, Kurukshetra, India
	Improving Convergence of Parameter Tuning Process of the Additive Fuzzy System by New Learning Strategy	Thi Nguyen, Lee Gordon-Brown, Jim Peterson and Peter Wheeler, Centre for GIS, School of Geography and Environmental Science, Monash University, Victoria, Australia
	Reduced Dynamic Time Warping for Handwriting Recognition Based on Multi-dimensional Time Series of a Novel Pen Device	Muzaffar Bashir, Jürgen Kempf Faculty of Electronics and Information Technology University of Applied Sciences Regensburg, Germany
13:00 14:00	<b>Lunch Break</b>	
14:00 16:00	<b>Chair: Rajesh-Vazhayil Govindan</b>	<b>Session- III</b>
	The Mechanistic Deconvolutive Image Sensor Model for an Arbitrary Pan-Tilt Plane of View	Shen Hin Lim, Tomonari Furukawa School of Mechanical and Manufacturing Engineering, University of New South Wales, New South Wales, Australia
	A P-SPACE Algorithm for Groebner Bases Computation in Boolean Rings	Quoc-Nam Tran Lamar University, U.S.A.
	Design and Implementation of Shared Memory based Parallel File System Logging Method for	Hyeyoung Cho, Sungho Kim, SangDong Lee Korea Institute of Science and Technology Information,

High Performance Computing	Korea
Bearing Fault Feature Extraction by Recurrence Quantification Analysis	Rajesh V.G. and Rajesh M.V. Department of Mechanical Engineering, Model Engineering College, Kerala, India
Thermal Modeling of Dry-Transformers and Estimating Temperature Rise	Leila Sepahi , Majid Ghareh Tehran, Iran
Presenting Novel Algorithm for solving throng problem and increasing reliability in Ad-hoc Network	Mohammad Reza Banan, Zahra Davarinejad, Omid Reza Bgheri Shiraz, Iran
A Comparison of Exact and Heuristic Approaches to Capital Budgeting	Jindřiška Šedová and Miloš Seda Department of Law, Faculty of Economics and Administration, Masaryk University of Brno, Lipová 41a, 657 90 Brno, Czech Republic
A Comparison of Three Mathematical Models of Response to Applied Nitrogen Using Lettuce	Mahdi Sadeghi Pour Marvi Varamin Agricultural Research Center, Iran
Automated System for Zoning Measurement	J. Rumánek, J. Šebesta, A. Povalač and P. Vyskočil BUT's Department of Radio Electronics, Purkyňova 118, 61200, Brno, Czech Republic
Asynchronous Microcontroller Simulation Model in VHDL	M. Kovac Radioelectronics Department, Faculty of Electrical Engineering and Communication, Brno University of Technology, Brno, Czech Republic
Performance Comparison and Evaluation of AdaBoost and SoftBoost Algorithms on Generic Object Recognition	Doaa Hegazy and Joachim Denzler Friedrich Schiller University in Jena, Germany
A novel prostate segmentation algorithm in TRUS images	Ali Rafiee, Ahad Salimi, Alireza Roosta Islamic Azad University, Kazeroun Branch, Iran
Development of a Tunisian Measurement Scale for Patient Satisfaction: Study case in Tunisian private clinics	Myriam Daoud-Marrakchi, Salma Fendri-Elouze, Christoph Ill and Bahia Bejar-Ghadhab Institut Supérieur de Gestion Industrielle de Sfax, Tunisie
SOA and BPM Partnership: A paradigm for Dynamic and Flexible Process and I.T. Management	Imran Sarwar Bajwa, Rafaqut Kazmi, Shahzad Mumtaz, M. Abbas Choudhary, M. Shahid Naweed Dept, of Computer Science and IT, The Islamia University of Bahawalpur, 63100 Pakistan
On a Pitch Duration Technique for Prosody Control	JongKuk Kim, MyungJin Bae Information and Telecommunication Engr., Soongsil University, Seoul, Korea
PID Parameter Optimization of an UAV Longitudinal Flight Control System	Kamran Turkoglu, Ugur Ozdemir, Melike Nikbay, Elbrous M. Jafarov, Istanbul Technical University, Istanbul, Turkey

**Sunday: November 23, 2008**

<b>09:00 - 11:00</b>	<b>Chair: Tsunwai Gary Yip</b>	<b>Session- IV</b>
Digital Social Networks: Examining the Knowledge Characteristics	Nurul Aini M. Nordan, Ahmad I. Z. Abidin, Ahmad K. Mahmood, Noreen I. Arshad Department of Computer and Information Sciences, Universiti Teknologi PETRONAS, Malaysia	
Dynamic Traffic Simulation for Traffic Congestion Problem Using an Enhanced Algorithm	Wong Poh Lee, Mohd. Azam Osman, Abdullah Zawawi Talib, and Ahmad Izani Md. Ismail School of Computer Sciences, Universiti Sains Malaysia, 11800 USM, Penang, Malaysia	
Jitter Transfer in High Speed Data Links	Tsunwai Gary Yip Rambus Inc, California, USA	
Does Practice Reflect Theory? An Exploratory Study of a Successful Knowledge Management System	Janet L. Kourik and Dr. Peter E. Maher Webster University Mathematics & Computer Science Dept. St. Louis, MO USA	
Issues & Challenges in Software Reliability Metrics	Anuranjan Misra Department of Information Technology Academy of Business & Engineering Sciences, Ghaziabad(UP), India	
Integrating Security Indifference Curve to Formal Decision Evaluation	Anon Yantarasi, and Yachai Limpiyakorn Department of Computer Engineering Chulalongkorn University Bangkok, Thailand	

Underlying Cognitive Complexity Measure Computation with Combinatorial Rules	Benjapol Auprasert, and Yachai Limpiyakorn Department of Computer Engineering Chulalongkorn University Bangkok, Thailand
Robust Control of Wind Energy Conversion Systems	Elkhatib Kamal, Magdy Koutb, Abdul Azim Sobaih, and Sahar Kaddah, Industrial Electronics and Control Dept., Faculty of Electronic Engineering, Menoufia University, Menouf, Egypt
Feature selection with Kohonen self organizing classification algorithm	Francesco Maiorana University of Catania, Dipartimento di Ingegneria Informatica e Telecomunicazioni, Italy
Watermarking Algorithm Research and Implementation Based on DCT Block	Gengming Zhu, Nong Sang Department of Computer Science and Engineering, Hunan University of Science and Technology
The AOP Research based on Enterprise Application	Xin Ma, Lianhe Yang Computer Technology And Automation College of Tianjin Polytechnic University, China
Analytical model of connection establishment duration calculation in wireless networks	Y. Chaiko Institute of Industrial Electronics and Electrical Drives, Riga Technical University, Riga, Latvia
Possible Utilization of Cigarette Butts in Light-Weight Fired Clay Bricks	Aeslina Abdul Kadir and Abbas Mohajerani School of Civil, Environmental and Chemical Engineering, RMIT University, 3001, Melbourne, Australia
Extended Study on Removing Gaussian Noise in Mechanical Engineering Drawing Images using Median Filters	Low Khong Teck, Hasan S. M. Al-Khaffaf, Abdullah Zawawi Talib, Tan Kian Lam School of Computer Sciences, Universiti Sains Malaysia, 11800 USM Penang, Malaysia
A Self Adaptive Genetic Based Algorithm for the Identification and Elimination of Bad Data	A. A. Hossam-Eldin, E. N. Abdallah, and M. S. El-Nozahy Department of Electrical Engineering, Faculty of Engineering Alexandria University, P.O.BOX 21544, Alexandria, Egypt
<b>11:00</b>	<b>Coffee Break</b>
<b>11:15</b>	
<b>11:15</b>	<b>Chair: Saparudin Bin Arifin</b>
<b>13:00</b>	
MIMCA: A Modelling and Simulation Approach in Support of the Design and Construction of Manufacturing Control Systems Using Modular Petri net	Saparudin Bin Arifin Fakulty of Mechanical and manufacturing Engineering, Universiti Tun Hussein Onn Malaysia
Dynamic Model and Control of a New Quadrotor Unmanned Aerial Vehicle with Tilt-Wing Mechanism	Oner K. T., Cetinsoy E., Unel M., Aksit M. F., Kandemir I., Gulez K. Sabanci University, Istanbul Turkey
An Efficient Key Management Scheme for Secure SCADA Communication	Sungjin Lee, Donghyun Choi, Choonsik Park, Seungjoo Kim, The Information Security Group, Sungkyunkwan University, Korea
Comparative Optical Analysis of Offset Reflector Antenna in GRASP	Ghulam Ahmad Institute of space Technology Lahore, Lahore, Pakistan
Practical Guidelines and Examples For The Users Of The TMS320C6713 DSK	Abdullah Wardak Southampton Solent University Southampton, UK
Phase-Only and Elements' Distance-Phase Synthesis of Array Patterns Via Particle Swarm Optimization	Hassan M. Elkamchouchi, May M. Wagih Electrical Department, Alexandria University, Alexandria Egypt
Modeling Low Voltage Power Line as a Data Communication Channel	Eklas Hossain, Sheroz Khan, and Ahad Ali Mechanical Engineering Department, Lawrence Technological University, Southfield, MI 48334 USA
ANN Based Currency Recognition System using Compressed Gray Scale and Application for Sri Lankan Currency Notes - SLRec	D.A.K.S. Gunaratna, N.D. Kodikara and H.L. Premaratne University of Colombo School of Computing, Sri Lanka
As secure Authenticated key Exchange protocol for credential services	Balakrishna Rayanki Dept of CSE, Don Bosco Institute of Technology Kumabalagodu, Karanataka, India
Learner Model in Adaptive Learning	Loc Nguyen Nguyen Van Cu, district 5, Ho Chi Minh city, Vietnam

Voice Disorders Identification Using Hybrid Approach: Wavelet Analysis and Multilayer Neural Networks	Lotfi.Salhi, Mourad.Talbi, Adnène.Cherif Signal Processing Laboratory, Physics Departement, Sciences Faculty of Tunis, 1060 Tunis ElManar Tunisia	
Real-Time Visual Simulation and Interactive Animation of Shadow Play Puppets Using OpenGL	Tan Kian Lam, Abdullah Zawawi bin Haji Talib, Mohd. Azam Osman School of Computer Sciences, Universiti Sains Malaysia, 11800 USM Penang, Malaysia	
A Knowledge-Based E-mail System Using Semantic Categorization and Rating Mechanism	Azleena Mohd Kassim, Muhamad Rashidi A.Rahman, and Cheah Yu-N Universiti Sains Malaysia, Malaysia	
A New Scheduling Algorithm Based on Traffic Classification Using Imprecise Computation	Farzad Abtahi, Sahar Khanmohamadi, Bahram Sadeghi Bigham, Department of Information Technology, Advanced Basic Sciences University, Zanjan, Iran	
A Feasible Path Selection QoS Routing Algorithm with Two Constraints in Packet Switched Networks	P.S.Prakash, S.Selvan Computer Science and Engineering (PG) Department, Sri Ramakrishna Engineering College, Coimbatore, TamilNadu, India	
<b>13:00</b>	<b>Lunch Break</b>	
<b>14:00</b>		
<b>14:00</b>	<b>Chair: Nabil A. Ahmed</b>	<b>Session- VI</b>
<b>16:00</b>		
Restructuring Kuwait Electric Power System: Mandatory or Optional?	Osamah Alsayegh Department of Advanced Systems Kuwait Institute for Scientific Research, Safat, Kuwait	
Application of Wireless Visual Sensor for Semi-Autonomous Mine Navigation System	Vinay Kumar Pilania, Dr. Debashish Chakravarty Indian Institute of Technology Kharagpur, India	
Optimized calculation of hourly price forward curve (HPFC)	Ahmed Abdolkhalig Department of Electrical and Electronic Engineering, The University of Omar Al Mukhtar, Tobruk, Libya	
Calibration Method for an Augmented Reality System	S. Malek, N. Zenati-Henda, M. Belhocine and S. Benbelkacem, Vision team, Robotics division, Advanced Technologies Development Center, CDTA, Algeria	
K-Means for Spherical Clusters with Large Variance in Sizes	A. M. Fahim, G. Saake, A. M. Salem, F. A. Torkey and M. A. Ramadan Otto-von-Guericke-University Magdeburg	
DCBOR: A Density Clustering Based on Outlier Removal	A. M. Fahim, G. Saake, A. M. Salem, F. A. Torkey and M. A. Ramadan, Otto-von-Guericke-University Magdeburg, Germany	
Feature's Extraction of Human Body Composition in Images by Segmentation Method	Mousa Mojarrad, Mashallah Abbasi Dezfouli, and Amir Masoud Rahmani, Islamic Azad University Firoozabad Branch, Firoozabad, Iran	
Three-Phase High Frequency AC Conversion Circuit with Dual Mode PWM/PDM Control Strategy for High Power IH Applications	Nabil A. Ahmed College of Technological Studies, Kuwait	
Organizational Dimensions as Determinant Factors of KM Approaches in SMEs	Mehdi Shami Zanjani, Shohreh Mehrasa, Mandana Modiri, Faculty of Management, University of Tehran, Iran	
Another formal proposal for stealth	Adrien Derock, DCNS/ESIEA and Pascal Veron, IMATH information security department at DCNS, the french naval ship builder, Toulon, France	
Mapping SOA and Outsourcing on NEBIC: A Dynamic Capabilities Perspective Approach	Benazeer Md. Shahzada, Verelst Jan, Van Grembergen Wim, Mannaert Herwig, Department of Management Information Systems, University of Antwerp, Belgium	
VLSI Design of 2-D Discrete Wavelet Transform for Area-Efficient and High-Speed Image Computing	Mountassar Maamoun, Mehdi Neggazi and Daoud Berkani, Abdelhamid Meraghni, Department of Electronics, University of Blida, Blida, Algeria	
Performance Analysis of Fuzzy Logic Based Unified Power Flow Controller	Lütfü Saribulut, Mehmet Tümay, İlyas Eker Çukurova University, Department of Electrical & Electronics Engineering, Balcalı, Adana, Turkey	
Real-time system controlling based on CORBA Architecture and DAIS standard	El Kamel Ali, Research Unit Prince, Higher Institute of Computer Science and Communication, Hammem, Sousse, 4011, Tunisia	
<b>Technical Equipment</b>	5- PowerPoint Presentation Remote with Laser Pointer	
1- Laptop Computer	6- PowerPoint Presentation/ Acrobat Reader Software	
2- LCD Data Projector	7- Each Technical Presentation is 20 Minutes including	

### PARIS METRO MAP

