

Review result for the manuscript submissions in WCE 2009

**Subject:** Review result for the manuscript submissions in WCE 2009  
**From:** "IAENG Conferences - WCE 2009" <wce@iaeng.org>  
**Date:** Wed, 4 Feb 2009 14:46:46 +0800  
**To:** <strunin@usq.edu.au>

Dear Dr. Dmitry Strunin,

[Review result for the manuscript submissions in WCE 2009]

Thanks for your submission to the The World Congress on Engineering 2009 (WCE 2009). It is our pleasure to tell you that your manuscript

- paper number: ICAEM\_27
- title: Low-dimensional boundary-layer model of turbulent dispersion in a channel

has been accepted for the WCE 2009 with minor revision. Please read the attached review report.

There is an appeal system that we will arrange two other reviewers for your submitted paper if you do not agree with the grading or comment(s) in this review.

For the accepted and registered papers, they will be included in the conference proceeding published by IAENG (ISBN: 978-988-17012-5-1) in hardcopy. The length of each camera-ready paper will be limited to 6 (IEEE style, double-column) pages. Each conference participant will be entitled to one proceeding at the conference. The accepted papers will also be considered for publication in the special issues of the IAENG journals and book chapters (soon after the conference). Revised and expanded version of the selected papers may also be included as book chapters in the standalone edited books under the cooperation between IAENG and publishers like America Institute of Physics, IEEE Computer Society, and Springer. The proceeding will be indexed in major database indexes so that it can be assessed easily.

Important Dates:

Camera-Ready Papers Due & Registration Deadline: 30 March, 2009  
WCE 2009: 1-3 July, 2009

The details about the registration are available at:  
<http://www.iaeng.org/WCE2009/registration.html>

The details about the camera-ready paper format and templates are available at:  
<http://www.iaeng.org/WCE2009/publications.html>

The details about the accommodation are available at:  
<http://www.iaeng.org/WCE2009/travel.html>

More details about the WCE Best Paper Awards are available at:  
<http://www.iaeng.org/WCE2009/program.html>

We are looking forward to your presentation of this paper and would like to express our warm welcome to you in advance. If you have any question, you are also welcome to tell us.

Best regards,

Anna Lee  
Assistant Secretary  
WCE 2009 Organizing Committee  
<http://www.iaeng.org/WCE2009/>

Engineering Letters  
http://www.engineeringletters.com/

IAENG International Journal of Computer Science  
http://www.iaeng.org/IJCS/

IAENG International Journal of Applied Mathematics  
http://www.iaeng.org/IJAM/

IAENG Secretariat  
Unit 1, 1/F, 37-39 Hung To Road, Hong Kong

---

The World Congress on Engineering 2009 (WCE2009)

Paper Number: ICAEM\_27 (Track: The 2009 International Conference of Applied and Engineering Mathematics)

Paper Title: Low-dimensional boundary-layer model of turbulent dispersion in a channel

Ratings: 5=excellent, 4=good, 3=average, 2=poor, 1= unacceptable

1. Content

Technical quality (1-5) : [ 4 ]

Technical originality (1-5): [ 4 ]

2. Presentation

Overall format (1-5): [ 4 ]

Abstract (1-5) : [ 4 ]

English (1-5) : [ 3 ]

3. Recommendation (tick one)

Accept : [ ]

Accept with minor revision: [ x ]

Accept with major revision: [ ]

Reject : [ ]

Recommendation for the edited book : [ x ]

4. Brief summary and further comments for the author(s) if any for improvement of the paper.  
(Use a separate sheet if necessary)

This is an interesting paper suitable for the presentation at the International Conference of Applied and Engineering Mathematics. Here are three minor comments which I hope will be taken into account by the authors,

1. It is not clear why the authors refer to the k-e model as the Kolmogorov-type theory of turbulence (see page 1);

2. The authors introduce two Reynolds numbers:  $R$  and  $Re$ , but they define only the first one. I suggest that they define both numbers to avoid any ambiguity;

3. There is much room for improvement in the authors' style of English. The following are some examples of the statements which need to be corrected: The model is extendable ....., ... we deduce ... (see Conclusions), ... the formula (15) ... (see page 3)



WCE 2009

# International Association of Engineers

## World Congress on Engineering 2009



- Home Page
- Conference Topics
- Publications
- Paper Submission
- Registration
- Important Dates
- Conference Committee
- Travel & Accommodation
- Conference Program
- Past Conferences
- Contact WCE 2009

London, U.K., 1-3 July, 2009

[Conferences](#)   [Publications](#)   [Membership](#)   [About IAENG](#)   [FAQ](#)   [Contact Us](#)

The World Congress on Engineering will take place in London, U.K., 1-3 July, 2009.

The WCE 2009 is organized by the International Association of Engineers (IAENG), a non-profit international association for the engineers and the computer scientists. The conference has the focus on the frontier topics in the theoretical and applied engineering and computer science subjects. The WCE conferences serve as good platforms for our members and the entire engineering community to meet with each other and to exchange ideas. The last IAENG conference has attracted more than one thousand participants from over 30 countries. Our congress committees have been formed with over three hundred committees members who are mainly research center heads, faculty deans, department heads, professors, and research scientists from over 20 countries.

All submitted papers will be under peer review and accepted papers will be published in the conference proceeding (ISBN: 978-988-17012-5-1). The abstracts will be indexed and available at major academic databases. The accepted papers will also be considered for publication in the special issues of the Engineering Letters and IAENG journals and in edited books.

#### Important Dates:

**Draft Paper Submission Deadline (extended): 23 March, 2009**

**Camera-Ready Papers Due & Registration Deadline (extended): 28 April, 2009**

**WCE 2009: 1-3 July, 2009**

**WCE 2010: 30 June - 2 July, 2010 <sup>NEW!</sup>**



The World Congress on Engineering 2010 will take place in London, U.K., 30 June - 2 July, 2010. The details are available at:

<http://www.iaeng.org/WCE2010>

#### The summary of submissions and accepted papers in WCE 2009 is as followed:

Total number of submissions received in WCE 2009: 869

Total number of papers that have been accepted for WCE 2009: 493 (Acceptance rate: 56.73%)

The titles and contact authors of submitted papers that have been reviewed and accepted papers (or accepted with minor revisions) for WCE 2009 are listed here:

[titles\\_A\\_D](#), [titles\\_E\\_N](#), [titles\\_O\\_Others](#).

[WCE 2009 Program Schedule Details](#)

[The Best Paper Awards and Best Student Paper Awards of the WCE 2009](#)

Some of the selected photos for The World Congress on Engineering 2009 are [available here](#).

The WCE 2009 is composed of the following 15 conferences (all will be held at the same location and date):

ICAEM'09	The 2009 International Conference of Applied and Engineering Mathematics London, U.K., 1-3 July 2009
ICCIIS'09	The 2009 International Conference of Computational Intelligence and Intelligent Systems London, U.K., 1-3 July 2009
ICCSDE'09	The 2009 International Conference of Computational Statistics and Data Engineering London, U.K., 1-3 July 2009
ICCSSE'09	The 2009 International Conference of Computer Science and Engineering London, U.K., 1-3 July 2009
ICDMKE'09	The 2009 International Conference of Data Mining and Knowledge Engineering London, U.K., 1-3 July 2009
ICEEEE'09	The 2009 International Conference of Electrical and Electronics Engineering London, U.K., 1-3 July 2009
ICFE'09	The 2009 International Conference of Financial Engineering London, U.K., 1-3 July 2009
ICIE'09	The 2009 International Conference of Information Engineering London, U.K., 1-3 July 2009

ICISIE'09	The 2009 International Conference of Information Security and Internet Engineering London, U.K., 1-3 July 2009
ICME'09	The 2009 International Conference of Mechanical Engineering London, U.K., 1-3 July 2009
ICMEEM'09	The 2009 International Conference of Manufacturing Engineering and Engineering Management London, U.K., 1-3 July 2009
ICPDC'09	The 2009 International Conference of Parallel and Distributed Computing London, U.K., 1-3 July 2009
ICSBBI'09	The 2009 International Conference of Systems Biology and Bioengineering London, U.K., 1-3 July 2009
ICISIE'09	The 2009 International Conference of Signal and Image Engineering London, U.K., 1-3 July 2009
ICWN'09	The 2009 International Conference of Wireless Networks London, U.K., 1-3 July 2009

**IAENG**

**Engineering  
Letters**



**YOUR  
LONDON**

**EBSCO**  
INFORMATION SERVICES



RPCS 10769

**IAENG**[About IAENG](#)[Membership](#)[Publications](#)[IAENG News](#)[Site Map](#)[Contact Us](#)

International Association of Engineers

[Online Journals](#)[Conferences](#)[IAENG Societies](#)[Online Resources](#)

# Engineering Letters

## Information for Authors

Engineering Letters welcomes submissions of manuscripts concerning any branch of the engineering and the computer science and their applications in business, industry and other subjects. The subjects of the engineering and the computer science covered by the journal include artificial intelligence, bioinformatics, computational statistics, database, data mining, financial engineering, hardware systems, imaging engineering, industrial engineering, internet computing, networking, operations research, scientific computing, software engineering, and their applications. All submitted papers are to be peer-reviewed for ensuring their qualities. Submissions must be previously unpublished.

For the initial submission for reviewing, both the ps and pdf formats are acceptable and the manuscripts can be in any conventional journal style. Accepted manuscripts should use the standard IEEE two-column format. The final submission format should be PDF. The templates and style files for MS Word and LaTeX are available by sending an email to [el@iaeng.org](mailto:el@iaeng.org).

The style template for the MS Word can also be downloaded here ([the doc file](#) and [its pdf file](#)).

The style template for the Latex can be downloaded here ([the tex file](#), [the ps file for the figure](#) and [its pdf file](#)).

The copyright form is available for [download here](#).

## Page Charges

**Voluntary Page Charges:** Upon acceptance of a manuscript for publication, the author or his/her institution or company will be asked to pay a charge of total US\$180. This charge is voluntary and is to cover part of the cost of publication. The author will be entitled to 3 free reprints of the journal upon the payment of the voluntary page charges.

**Mandatory Page Charges:** The author or his/her institution or company will be asked to pay a mandatory page charge of US\$200 for manuscripts of eleven to fifteen pages, and then, an additional page charge of US\$20 per additional page for manuscripts of over fifteen pages. The maximum mandatory page charges are US\$300. The author will be entitled to 3 free reprints of the journal upon the payment of the page charges.

## Call for International Advisory Board Members and Reviewers

Engineering experts and computer scientists are welcome to join the Engineering Letters as the members of the international advisory board or as reviewers. Interested persons can send us an email, along with their curriculum vitae (CV), to [el@iaeng.org](mailto:el@iaeng.org).

[Journal Home](#)[Manuscripts Submission](#)[Editorial Board](#)[Subscriptions and Delivery](#)[Contact Us](#)

## Engineering Letters

[Journal Home](#)[Manuscripts Submission](#)[Author Information](#)[Editorial Board](#)[Subscriptions and Delivery](#)[Contact Us](#)

## Join IAENG Now!

[IAENG Membership](#) is free.[Our societies](#) welcome committee members too.[Our journals](#) are waiting for your involvement.

IAENG

International Association of Engineers

[info@iaeng.org](mailto:info@iaeng.org)



- High Order Conservative ENO/WENO Lagrangian Schemes for Euler Equations
- HIGH SPEED REED SOLOMON DECODER USING GALOIS FIELD ARITHMETICS
- How a Circular Spatially Extended Point is Topological Related with a Line?
- How to Analyse Specifications with Self Organizing Map
- How to Release Orders with Sequence-dependent Setup Times?
- Human Error Management Optimization in CAREM NPP
- Hydrostatic Fluid-structure Characteristic Analysis of Hydraulically Damped Rubber Mount
- Image Enhancement Techniques Using Local, Global, Bright, Dark and Partial Contrast Stretching For Acute Leukemia Images
- Image Segmentation Using Active Contour Model and Level Set Method Applied to Detect Oil Spills
- Impact of Sea-Sand Filling in the Paravur-Kappil Backwaters, Southern Kerala with Special Reference to Phytoplankton Productivity
- Implementation of a Purely Hardware-assisted VMM for x86 Architecture
- Implementation of a Visible Watermarking in a Secure Still Digital Camera Using VLSI Design
- Implementation of Boundary Equations in the Finite Transfer Method
- Implementation of inverse finite element method with respect to energetic strain gradient plasticity in micro deep drawing
- Implementing Human-Acceptable Navigational Behavior for an Autonomous Robot
- Improving Decisions of Situated Agents in Competitive Scenarios
- Improving efficiency of ANN-based clustering algorithms for large scale dataset
- Improving Sharpe Ratios and Stability of Portfolios by Using a Clustering Technique
- Improving the Accuracy and Efficiency of the k-means Clustering Algorithm
- Induced Aggregation Operators in the Generalized Adequacy Coefficient
- Inequalities for Eigenvalues of a General Clamped Plate Problem
- INFLUENCE OF ELASTIC FOUNDATIONS ON CRITICAL VELOCITY AND FLEXURAL VIBRATIONS OF TIMOSHENKO BEAM SUBJECTED TO FAST TRAVELING LOAD
- Influence Of Operating Conditions On Nox Emission In A Ceramic Furnace Burner
- Influence of Preventive Maintenance Policy on Manufacturing Systems Performances
- Influence of Quality, Innovation and New Product/Services Design on Small and Medium Enterprises
- Instability Analysis of Non-linear Unmanned Helicopter Model Control
- Integration Of Fcm, Pca And Neural Networks For Classification Of Ecg Arrhythmias
- Intelligent Daylight Panel Control System based on Fuzzy Control for Green Buildings
- Intelligent Water Drops A new optimization algorithm for solving The Vehicle Routing Problem
- Intensity Dynamics in a Waveguide Array Laser
- Interlayer Dielectric Capping Effect on Thermal Stability of Ni Germanide on Doped Ge-on-Si Substrate for Nano-scale Ge MOSFETs
- Interval Oscillation Criteria for Second-Order Delay Differential Equations
- Investigation of Cutting Parameters in Manufacturing of Femoral Heads
- Investigation of Surface Roughness and Flank Wear by CBN and PCBN Tools on Hard Cr-Mo Steel
- Investigation of the Operational Behavior of a Large Chipper Drive
- IP over Optical CDMA Network
- Kippenhahn Curves of Some Kronecker Products
- Laboratory Performance Studies of IEEE 802.11 b, g Point-to-Point Links through TCP, UDP and FTP Experiments
- Lean Manufacturing using Axiomatic Design
- Liquidity Adjusted Intraday Value at Risk
- Local Bootstrap Approach for the Estimation of the Memory Parameter
- Low-dimensional Boundary-layer Model of Turbulent Dispersion in a Channel
- LQR-Based Trajectory Control Of Full Envelope, Autonomous Helicopter
- LSF Quantization to Enhance the Frame Erasure Robustness of CELP Type Coders in Packet Networks
- Machinability Studies of Al/SiC/ (20p) MMC by Using PCD Insert (1300 grade)
- Machine Learning in FX Carry Basket Prediction
- Magnetic State of Components of Fe-Mn Alloys and Mixing energy: First-Principles Calculation
- Markov Models and Extensions for Land Cover Mapping in Aerial Imagery
- Mass Customization: Where do we go from here?
- Materials Structure and Strain Analysis Using Time-of-flight Neutron Diffraction
- Mathematical Modeling and Computational Analysis of Nitric Oxide induced Hypoxemia in Methemoglobinemia
- Mathematical Modeling of Fire Dynamics
- Maximization of Power Yield in Thermal and Chemical Systems
- Mean-reverting discrete time market models: speculative and arbitrage opportunities
- Measuring impacts of web financial news on financial markets with artificial neural networks
- MEGA: A Bio Computational Software for Sequence and Phylogenetic Analysis
- Methodology for CFD analysis of a glass manufacturing furnace
- Micro-Architectural Power Estimation and Optimization
- Microstructural Investigation of Direct Metal Deposition of H13 Steel on High Strength Copper Substrate
- Mining Online Diaries for Blogger Identification
- Mobility Management for Mobile Agents
- Modeling & Simulation of Supersonic Flow Using McCormack's Technique
- Modeling and Analysis of Creep in Functionally Graded Thick Cylinder Subjected to Internal Pressure
- Modeling and Simulation of Broken Rotor Bars in Squirrel Cage Induction Machines
- Modeling and Studying The Impact of Solution Treatment Time on Internal Diametral Growth in Tube Spinning Process by The Design of Experiments
- Dr. Juan Cheng
- Katna Radha, and Dr.S.P.Joy
- Vasanth Rani
- Dr. Maribel Y. Santos
- Arun Nagarajah
- Dr. Nuno Fernandes
- Dr. Eng. Jorge E. Nunez McLeod
- Dr. Lirong Wang
- Dr. N.R.Mokhtar
- Dr. mohamed airou
- Dr. Santhosh
- Dr. Ezudheen P
- Dr. S.C.Ramesh
- Dr. Lazaro Gimena
- Reza Azizi
- Dr. Laureano Casanova Oscar
- Dr. Ibarra Martinez Salvador
- Dr. SYED MUHAMMAD FARAZ
- Jin Zhang
- Dr. K A Abdul Nazeer
- Dr. Jose M. Merigo
- Dr. Kazem Ghanbari
- Dr. OMOLOFE BABATOPE
- Dr. Anouar SOUID
- Dr. Antonio C. Caputo
- Dr. Aamer Hanif
- Dr. lizhao liu
- Dr. Dipti Patra
- Prof. Tzu-Chun Kuo
- Dr. Iman Kamkar
- Dr. Matthew Williams
- Ying-Ying Zhang
- Dr. Bin Zheng
- Dr. Nikolaos Galanis
- Dr. Sthamizhmanii
- Dr. Christian Kral
- Dr. M. M. Karbassian
- Dr. Hongkui Li
- Dr. Jose A. R. Pacheco de Carvalho
- Mr. Sachpreet Singh Aulakh
- Dr. Jun Qi
- Dr. J. Orbe
- Dr. Dmitry Strunin
- Dr. Semuel Franko
- Dr. Fatiha Merazka
- Dr. Venkatesh .R
- Dr. Tristan Fletcher and Dr. Nick Straw
- Prof. Alexander Mirzoev
- Dr. Mohamed El Yazid Boudaren
- Dr. Arun N. Nambiar
- Prof. A.M. Korsunsky and Dr Shu Yan Zhang
- Dr. Saikat Chakraborty
- Dr. Leo Razdolsky
- Prof. Stanislaw Sieniutycz
- Dr. Nikolai Dokuchaev
- Dr. Xun Liang
- Dr. Vipin Kumar
- Dr. Chandrashekhara M. Sewatkar
- Dr. basaza anhiali
- Professor S.H. Masood
- Dr. Haytham Mohtasseb
- Mrs Rama Sushil
- Dr. Muhammad Saif Ullah Khalid
- Dr. tejeet singh
- Dr. Christian Kral
- Dr. Ahmad Reza Fazeli Nahrkhalagi

Modeling Parabolic Pulse Formation in Mode-Locked Laser Cavities	Dr. Nathan Kutz
Modelling and Prediction for Functional Relationships between Time-series	Dr. Xiaoshu Lu
Modelling Collaborative Software Development Using Axiomatic Design Principles	Dr. Gulcin Buyukozkan
Modelling Traffic Flow with Constant Speed using the Galerkin Finite Element Method	Prof. Magd Abdel Wahab
Modified K-modes Algorithms for Clustering Categorical Data Sets With Missing Values Using Bhattacharyya Distance Function	Dr. Lyna Mie Cerilo Daisog
Monte Carlo Method for Physically-Based Drop Size Distribution Evolution	Dr. TEMBELY Moussa
Motion Estimation Analysis for Unsupervised Training for Lip Reading User Authentication Systems	Dr. Hanan A. Mahmoud
Moulding Parameter Optimisation for the Best Sintered Density	Dr. Khairur Rijal Bin Jamaludin
MSTBBN: M-way Search Tree Based Base station to Node Communication Protocol for Wireless Sensor Networks	Dr. Pankaj Gupta
MULEP-A Multi Level E-Procurement System with Distributed Agents	Dr. Ozgur Koray SAHINGOZ
Multi Sensor Data Fusion using Kalman Filter Techniques	Dr. Mohammad Sadegh Mohebbi Nazar
Multi-level Discrete Wavelet Transform Architecture Design	Dr. Dia Dhaha
Multi-Sensor SAR Image Fusion by Using Different Integration Techniques	Dr. kala praveen
Network Numerical Analysis of Magneto-Tribological Squeeze Film Flow Between Rotating Disks With Magnetic Induction	Dr. Anwar Beg
Neuro-Fuzzy Learning and Genetic Algorithm Approach with Chaos Theory Principles Applying for Diagnostic Problem Solving	Dr. Stefania Gallova
New Cooling Channel Design for Injection Moulding	Dr. saifullah saifullah
New Design for Intelligent Parking System Using the Principles of Management Information System and Image Detection System	AYAD AHMED YASS
New metrics for semiconductor machine performance measurement	Wang Qiang
Non - Isothermal Depolarization Current Studies in Polyvinyl Pyrrolidone (PVP) Foil Electrets	Dr. Vikram S Yadav
Nonlinear Analysis of Concrete Gravity Dams by Neural Networks	Dr. A. Joghataie
Nonlinear Resonances of a Semi-Infinite Cable on a Unilateral Elastic Substrate	Dr. Lucio Demeio
Note on an $\langle S \rangle$ Inventory System with Decay	Dr. Percy Brill
Novel Dual-Pulse Actuation Voltage for Longer MEMS Switch Lifetime	Dr. W. S. H. Wong
Numerical and Analytical Approach of Thermo-Mechanical Stresses in FGM Beams	Dr. Fatemeh Farhatnia
Numerical and Experimental Investigation of an Elliptical Paraboloid Shell Model	Dr. D. HAMADI
Numerical Determination of Crack Opening and Closure Stress Intensity Factors	Dr. Luiz Carlos H. Ricardo
Numerical Simulation of an Induction-Conduction Model Arising in Steel Hardening	Dr. Francisco Ortegon Gallego
Numerical Simulation of Low-Reynolds-Number and High-Lift Airfoil S1223	Dr. Rong Ma
Numerical Simulations of Reactive Flow Displacements in Porous Media	Dr. J. Azaiez
Numerical Study of Flow around Twin Cubic Obstacles Issued from a Bent Chimney	Mrs. Ines BHOUREI BAOUEB
Numerical Study of Sand Ingestion Through a Ventilating System	Dr. ADEL GHENAÏET

The titles and contact authors of submitted papers that have been reviewed and accepted (or accepted with minor revisions) for WCE 2009 are listed here:

[titles\\_A\\_D](#), [titles\\_E\\_N](#), [titles\\_O\\_Others](#).

Titles (E_N)	Contact Authors
EATSAL: An Energy Aware Task Scheduling Algorithm for Hybrid Networks	Dr. Engr. Fawad Hussain
ECOSENSE- An Energy Consumption Protocol for Wireless Sensor Networks	Dr. Amutha nanmaran
Educational Software for Simulation of Interacting Population Models	Dr. kamyar movaghamejad
Effect Of Benzene Hexa Chloride (Hexa Chloro Cyclo Hexane) In Testis, Liver, Kidney And Muscular Tissue Of Gerbil	Dr. Santhosh
Effect of Cavity in a Pentroof Piston on the Engine In-cylinder Tumble Flows - An Investigation by Particle Image Velocimetry	Dr. B.Murali Krishna
Effect of Dyslipidemia on Photoplethysmography Flow Mediated Dilation	Ms. Mojgan Zaheditochai
Effect of Fins on Heat Transfer of Horizontal Immersed Tube in Bubbling Fluidized Beds	Dr. saeid rasouli
Effect of High Speed Cutting Parameters on the Surface Characteristics of Superalloy Inconel 718	Dr. DINESH THAKUR
Effect of Hole Shape on Blade Cooling Effectiveness	Dr Yufeng Yao
Effect of Material Models on Formability of Sheet Metals in Explosive Forming	Dr. B. M. Dariani
Effect of Reduced Web Beam Section on the Stiffness of Moment Frames	Dr. Paul Howson
Effect of Suturing of a Tendon Graft in ACL Reconstruction	Dr. Mahmoud Chizari
Effect of Two Inline Jet' Temperature on The Turbulence They Generate Within a Crossflow	Ms. Amina RADHOUANE
Effect Of Voltage Variation On MRR For Stainless Steel EN Series 58A (AISI 302B) In Electrochemical Machining: A Practical Approach	Dr. S. S. Uttarwar
Effective Estimation of Modules' Metrics in Software Defect Prediction	Dr. S.M. Fakhrahmad
EFFICIENT IMPLEMENTATION OF DATA MINING: IMPROVE CUSTOMER'S BEHAVIOUR	Dr. Zahid Ullah
Elasto-Plastic EFGM Analysis of an Edge Crack	B. Aswani Kumar
Electromagnetic Scattering of Plane Wave from a Finite Array of Partially-Shielded Dielectric Cylinders	Mr. Kaiser Lock
Elevated Temperature Mechanical Properties of Al Alloy AA6063/SiCp MMCs	Prof Tarek Ahmed Khalifa
Elliptic Numerical Ranges of 4x4 Matrices	Dr. Hongkui Li
Embeddings into Crossed Cubes	Dr. Emad Abuelrub
Employ the Ad-hoc Admission Control on WIMAX Relay Station to Give the Coverage for the Mobile Stations Out of Coverage	Dr. Aws Alaa
Energy-aware AODV routing protocol For Ad Hoc Wireless Networks	M.Karthik Ramnath
Engineering Mathematical Study for the Visco-Elastic Impact Problem	Professor Hou Lei
Enhanced Genetic Algorithm for Optimal Electric Power Flow using TCSC and TCPS	Dr.V.Suresh Kumar
Ensemble Approach to Distributed Fuzzy Clustering	Dr. karthikeyani chitrambalam
Entrapped Gas Action for One-Dimensional Models of Capillary Dynamics	Dr. Salvatore IACONO
ETHOM, an Ethernet over SCI and DX Driver for Linux	Dr. Rainer Finocchiaro
Evaluation of drag force effect on hold-up in a gas-liquid stirred tank reactor	Dr. Ramin Zadghaffari
Evaluation of the Performance of Reduced Beam Section (RBS) Connections in Steel Moment Frames Subjected to Cyclic Loading	Dr. Paul Howson
Event B for ODP Enterprise Behavioral Concepts Specification	Dr. M. BOUHDADI
Evidence of Dot-size Variation in Nanowire Silicon Transistor	Prof. Yue-Min Wan
Experimental and numerical investigation of restitution coefficient in low velocity impact	Kamyar Hashemnia and Ashkan Aryaei
Experimental Investigation on the Effect of Workpiece Hardness and Cutting Speed on Surface Roughness in Hard Turning With CBN Tools	Dr. Ehsan Dezhparvar Derakhshan
Experimental Study and Analysis Of Temperature Variation in Multicylinder Motorized Engine Test - Rig Under Different Lubricants - A Case Study	Dr. Atul Shah and Mr. Bharat.M.Sutaria
Explicit Finite Difference Method For Convection-Diffusion Equations	Dr. Qinghua Feng
Fabrication Process of 3D Micro Components from Stainless Steel Aqueous Slurry	Dr. Mohamed Imbaby
False-alarm and Non-detection Probabilities for On-line Quality Control via HMM	Prof. Chang C.Y. Dorea
FE Magnetic Field Analysis Simulation Models based Design, Development, Control and Testing of An Axial Flux Permanent Magnet Linear Oscillating Motor	Dr. GOVINDARAJ T
Feasibility of Using GMM Based Actuators in Active Control of Journal Bearing System	HY Lau
Feature Selection for Interactive Clustering: A Filter Approach	Dr. karthikeyani chitrambalam
Financial Modelling with Ornstein - Uhlenbeck Processes Driven by Levy Process	Prof.Dr. Omer Onalan
FINITE AUTOMATA: A MATHEMATICAL MODEL FOR SEQUENTIAL DECISION PROBLEM UNDER UNCERTAINTY	Dr. A.JAMES ALBERT
Finite Element Method on Mass Loading Effect for Gallium Phosphate Surface Acoustic Wave Resonators	Dr. Mohd Nizar Hamidon
Finite-time Ruin Probability of Renewal Model with Risky Investment and Subexponential Claims	Dr. Tao Jiang
Free Vibration Characteristics of Clinched Joints	Dr. Xiaocong He
From Medical Images to Simulations: 4D MRI Flow Analysis	Dr. Eduardo Soudah
FTS-SQL: A Query Language for Fuzzy Multidatabases	Dr. Awadhesh Kumar Sharma
Fuzzy Rule Based Traffic Signal Control System for Oversaturated Intersections	Dr. Syed Muhammad Sheraz
General Formulae for Frequency Shifts Using a Parallel Transport of Wave 4-Vector in Flat Minkowski Space	Dr. Emilija G. Celakoska
Genetic Algorithm as a Tool of Fuzzy Parameters and Cutting Forces Optimization	Dr. Stefania Gallova
Geochemistry of Different Aquatic Systems in Thiruvananthapuram, Southern Kerala	Dr. Santhosh
GEOMETRIC NON-LINEAR ANALYSIS OF COMPOSITE LAMINATED PLATES USING HIGHER ORDER FINITE STRIP ELEMENT	Dr.Rizal Zahari
Geometrically Non-Linear Dynamic Analysis of Thin-Walled Beams	Prof. Kuo Mo Hsiao
Hardware Co-simulation For Video Processing Using Xilinx System Generator	Dr. Mohamed ATRI
Hardware Implementation of High Throughput 1/2 code rate LDPC Decoder for IEEE WIMAX 802.16e	Dr. satya rajesh
Harmonic Distortion in the Grid Connected Wind Electric Generators: A Case Study	Dr.V.Suresh Kumar



Online Journals  
Conferences  
IAENG Societies  
Online Resources

# Proceedings of the World Congress on Engineering 2009

WCE 2009, July 1-3, 2009, London, U.K.

The World Congress on Engineering 2009 has been organized by the International Association of Engineers (IAENG), a non-profit international association for the engineers and the computer scientists. The WCE 2009 takes place in Imperial College London, London, U.K., 1-3 July, 2009.

The congress scope covers the frontier topics in the theoretical and applied engineering and computer science subjects. The WCE conferences serve as excellent platforms for our members and the entire engineering community to meet with each other and to exchange ideas. The conferences also strike a balance between theoretical development and applications.

WCE 2009 has been organized with the help of conference committees incorporating over two hundred and eighty committee members who are prominent in the field as research center heads, faculty deans, department heads, professors, and leading research scientists from over 30 countries. WCE conferences are truly international meetings with participants from many countries across the world.

WCE 2009 has attracted more than eight hundred paper submissions from over 50 countries. All submitted papers have been peer reviewed. The total number of submissions to WCE 2009 reviewed was 869. With the total number of 493 papers accepted, the overall acceptance rate at the congress is 56.73%.

## WCE 2009

- [Conference Home](#)
- [Conference Committee](#)
- [Coming Conference](#)
- [Order Conference Publication](#)
- [Contact Us](#)

## Join IAENG Now!

- [IAENG Membership is free.](#)
- [Our societies welcome committee members too.](#)
- [Our journals are waiting for your involvement.](#)

✓ Editors: S. I. Ao and Len Gelman and David WL Hukins and Andrew Hunter and A. M. Korsunsky

ISBN of Vol I (pp1-927): 978-988-17012-5-1

ISBN of Vol II (pp928-1895): 978-988-18210-1-0

✓ Publisher: Newswood Limited

Organization: International Association of Engineers

## CONFERENCE PAPERS:

### The 2009 International Conference of Computational Intelligence and Intelligent Systems

Improving Sharpe Ratios and Stability of Portfolios by Using a Clustering Technique

Jin Zhang, and Dietmar Maringer

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1-6 [[Online Full Text](#)]

Induced Aggregation Operators in the Generalized Adequacy Coefficient

Jose M. Merigo, Anna M. Gil-Lafuente, and Jaime Gil-Aluja

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp7-11 [[Online Full Text](#)]

Conceptual Neighborhood Graphs for Topological Spatial Relations

Maribel Yasmina Santos, and Adriano Moreira

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp12-18 [[Online Full Text](#)]

A Framework for the Merger and Practical Exploitation of Formal Logic and Artificial Neural Networks

Gareth Howells, and Konstantinos Sirlantzis

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp19-24 [[Online Full Text](#)]

How a Circular Spatially Extended Point is Topological Related with a Line?

Maribel Yasmina Santos, and Adriano Moreira

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp25-30 [[Online Full Text](#)]

Applying Machine Learning Techniques for Email Reply Prediction

Taiwo Ayodele, Shikun Zhou, and Rinat Khusainov

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp31-36 [[Online Full Text](#)]

Assessing a Sparse Distributed Memory Using Different Encoding Methods

Mateus Mendes, A. Paulo Coimbra, and Manuel Crisostomo

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp37-42 [[Online Full Text](#)]

An Overview of Fuzzy Research in the ISI Web of Knowledge

Jose M. Merigo, and Anne M. Gil-Lafuente

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp43-48 [[Online Full Text](#)]

Improving Decisions of Situated Agents in Competitive Scenarios

Salvador Ibarra M., Jose A. Castan R., Julio Laria M., and Jose M. Malibran V.

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp49-53 [[Online Full Text](#)]

Neuro-Fuzzy Learning and Genetic Algorithm Approach with Chaos Theory Principles Applying for Diagnostic Problem Solving

Stefania GALLOVA

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp54-62 [[Online Full Text](#)]

A New Rule-weight Learning Method based on Gradient Descent

S. M. Fakhrahmad, and M. Zolghadri Jahromi

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp63-68 [[Online Full Text](#)]

FTS-SQL: A Query Language for Fuzzy Multidatabases

Awadhesh Kumar Sharma, A. Goewamiy, and D. K. Gupta

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp69-74 [[Online Full Text](#)]

A Multi-objective Approach to Implement an Integrated Management System: Quality, Security, Environment

Ahmed Badreddine, Taleb Ben Romdhane, and Nahla Ben Amor

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp75-81 [[Online Full Text](#)]

On the Use of the OWA Operator in the Weighted Average and its Application in Decision Making

Jose M. Merigo

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp82-97 [[Online Full Text](#)]

An Expert System for HIV and AIDS Information

A. N. Masizana-Katongo, T. K. Leburu-Dingalo, and D. Mpoeleng

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp88-92 [[Online Full Text](#)]

An Algorithmic Approach to Generate After-disaster Test Fields for Search and Rescue Agents

Panteha Saeedi, and Soren A. Sorraesen

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp93-98 [[Online Full Text](#)]

## The 2009 International Conference of Computer Science and Engineering

An Adaptive Fusion using SVM based Audio Reliability Estimation for Biometric Systems

Dzati Athler Ramli, Salina Abdul Samad, and Aini Husain

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp99-104 [[Online Full Text](#)]

Classification of Road Traffic Congestion Levels from GPS Data using a Decision Tree Algorithm and Sliding Windows

Thammasak Thianniwet, Satidchoke Phosard, and Wasan Pattara-Atikom

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp105-109 [[Online Full Text](#)]

Aspect Oriented Software Fault Tolerance

Kashif Hameed, Rob Williams, and Jim Smith

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp110-117 [[Online Full Text](#)]

Analysis and Pattern Recognition of Woodwind Musical Tones Applied to Query-by-Playing Melody Retrieval

Majid A. Al-Taee, Mohammed T. Al-Ghawanmeh, Fadi M. Al-Ghawanmeh, and Baha O. Abu Al-Owi

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp118-123 [[Online Full Text](#)]

Perception-based Road Traffic Congestion Classification using Neural Networks

Pitiphoom Posawang, Satidchoke Phosard, Wasan Pattara-Atikom, and Weerapong Polnongit

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp124-129 [[Online Full Text](#)]

Magnetic State of Components of Fe-Mn Alloys and Mixing energy: First-Principles Calculation

A. A. Mirzoev, D. A. Mirzaev, and M. M. Yalolov

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp130-135 [[Online Full Text](#)]

Implementation of a Purely Hardware-assisted VMM for x86 Architecture

Satishlavi Kalady, Dileep P. G, Krishanu Sikdar, Sreejith B. S, Vinaya Surya, and Ezudheen P

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp136-140 [[Online Full Text](#)]

A Symbolic State-Transition Graph for a Class of Dynamic Petri Nets

Lorenzo Capra

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp141-148 [[Online Full Text](#)]

Simulation, Analyze and Program Support for Pneumatic Cylinder System

Djordje N. Dihovcni, and Miroslav Medenica

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp148-152 [[Online Full Text](#)]

MULEP-A Multi Level E-Procurement System with Distributed Agents

Ozgur Korey SAHINGOZ, and Emre OZTAS

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp153-157 [[Online Full Text](#)]

Discriminant Analysis for Classification of Stressed Syllables in Arabic

A. Chentir, M. Guertl, and D. J. Hirst

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp158-161 [[Online Full Text](#)]

Using BPEL for Behavioral Concepts in ODP Computational Language

Belhaj Hafid, Youssef Belouki, Jalel Laasstri, Redouane Benaini, Mohamed Bouhadadi, and Said El Hajji

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp162-168 [[Online Full Text](#)]

Software Reliability Estimation Based on Cubic Splines

P. L. M. Kelani Bandara, G. N. Wikramanayake, and J. S. Goonethillake

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp169-173 [[Online Full Text](#)]

An Adaptive Multimedia System for Teaching Fundamentals of Finite Element Method Using the Case-based Content Sequencing

Haris Stupic

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp174-178 [[Online Full Text](#)]

Design and Implementation of New Data Validation Service (NDVS) Using Semantic Web Technologies in Web Applications

Shadi Aljawarneh, and Faisal Alkhateeb

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp179-184 [[Online Full Text](#)]

The Use of Neighbourhood Matching in Constructing Hidden Object Topology

Peter Varley

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp185-190 [[Online Full Text](#)]

Multi-level Discrete Wavelet Transform Architecture Design

Dhaia Dia, Medlen Zeghid, Taoufik Saidani, Mohamed Atri, Belgacem Bouallegue, Mohsen Machhout, and Rached Tourki

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp191-195 [[Online Full Text](#)]

PNR: New Position based Routing Algorithm for Mobile Ad Hoc Networks

Hossein Ashtiani, Shahpour Alrezaee, seyed mohsen mir hosselini, and HamidKhosravi

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp196-200 [[Online Full Text](#)]

Hardware Co-simulation For Video Processing Using Xilinx System Generator

T. Saldani, D. Dia, W. Elhamzi, M. Atri, and R. Tourki

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp201-205 [[Online Full Text](#)]

Effective Estimation of Modules' Metrics in Software Defect Prediction

S. M. Fakhrahmad, and A. Sami

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp206-211 [[Online Full Text](#)]

Software Fault Prediction of Unlabeled Program Modules

C. Catal, U. Sevim, and B. Dir

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp212-217 [[Online Full Text](#)]

A Fuzzified Approach for the Prediction of Fault Proneness and Defect Density

Sunint K. Khalsa

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp218-223 [[Online Full Text](#)]

A-MISC: The Arabic Medium Instruction Set Computer Architecture Design

Asbahiya A. Abu-Samra

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp224-229 [[Online Full Text](#)]

LSF Quantization to Enhance the Frame Erasure Robustness of CELP Type Coders in Packet Networks

Fatma Merazka

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp230-233 [[Online Full Text](#)]

Embeddings into Crossed Cubes

Emad Abuelrub

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp234-239 [[Online Full Text](#)]

Software Fault Proneness Prediction Using Support Vector Machines

Yogesh Singh, Arvinder Kaur, and Ruchika Malhotra

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp240-245 [[Online Full Text](#)]

Solving Nonlinear Hammerstein Integral Equations by Using B-spline Scaling Functions

Khosrow Malenejad, and Nasser Aghazadeh

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp248-249 [[Online Full Text](#)]

A Bluetooth Solution For Manipulating An Object Manipulator Within An X-Ray Tomograph

M. Mansour

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp250-252 [[Online Full Text](#)]

Achieving QoS Through Network Coding

Marium Jalal Chaudhry, Farhat Saleemi, and Fatima Jalal Chaudhry

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp253-256 [[Online Full Text](#)]

Securing Cover-File Without Limitation of Hidden Data Size Using Computation Between Cryptography and Steganography

A. A. Zaidan, Fazidah Othman, B. B. Zaidan, R. Z. Rajl, Ahmed K. Hasan, and A. W. Najl

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp259-265 [[Online Full Text](#)]

Genetic Algorithm as a Tool of Fuzzy Parameters and Cutting Forces Optimization

Stefania GALLOVA

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp266-272 [[Online Full Text](#)]

Specification and Modeling of HW/SW CO-Design for Heterogeneous Embedded Systems

Adnan Shaout, Ali H. El-Mousa, and Khalid Mattar

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp273-278 [[Online Full Text](#)]

Protocol Design Issues in WLAN

Muhammed Akber Farooqui

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp279-282 [[Online Full Text](#)]

## The 2009 International Conference of Data Mining and Knowledge Engineering

Data Mining and Collusion Resistance

Samuel Shepard, Ray Kresman, and Larry Dunning

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp293-298 [[Online Full Text](#)]

An Empirical Framework for Automatically Selecting the Best Bayesian Classifier

Stuart Moran, Yulan He, and Kecheng Liu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp289-294 [[Online Full Text](#)]

Mining Online Diaries for Blogger Identification

Haytham Mohtaseb, and Amr Ahmed

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp295-302 [[Online Full Text](#)]

Modelling and Prediction for Functional Relationships between Time-series

X. Lu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp303-307 [[Online Full Text](#)]

Improving the Accuracy and Efficiency of the k-means Clustering Algorithm

K. A. Abdul Nazeer, and M. P. Sebastian

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp308-312 [[Online Full Text](#)]

Categorical Grading Based Personalized Privacy Preservation Against Attacks

E. Poovammal, and M. Ponnevalikko

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp313-318 [[Online Full Text](#)]

The Knowledge Cube and Knowledge Conversions

Eckhard M. Ammann

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp319-324 [[Online Full Text](#)]

The Robust Principal Component Using Minimum Vector Variance

Dyah E. Herwindiaty, and Sanj M. Iaa

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp325-329 [[Online Full Text](#)]

## The 2009 International Conference of Electrical and Electronics Engineering

Consistent Induction Motor Parameters for the Calculation of Partial Load Efficiencies

G. Kral, A. Haumer, and G. Grabner

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp330-339 [[Online Full Text](#)]

Solar Tracking Fuzzy Control System Design using FPGA

Y. J. Huang, B. C. Wu, C. Y. Chen, C. H. Chang, and T. C. Kuo

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp340-344 [[Online Full Text](#)]

Sensorless Permanent Magnet Drive Design

G. Grabner, J. V. Gragger, H. Kapeller, A. Haumer, and C. Kral

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp345-350 [[Online Full Text](#)]

LQR-Based Trajectory Control Of Full Envelope, Autonomous Helicopter

Samuel Franke

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp351-356 [[Online Full Text](#)]

Intelligent Daylight Panel Control System based on Fuzzy Control for Green Buildings

T. C. Kuo, J. S. Lin, Y. Takeuchi, and Y. J. Huang

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp357-380 [[Online Full Text](#)]

Real-Time Adaptive Phase-Lead Controller for Maglev Systems Using Digital Signal Processors

Jianxin Tang

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp361-366 [[Online Full Text](#)]

Spectral Filtering Highly Chirped Pulses in All Normal Dispersion Fiber Lasers

Brandon G. Bale, and J. Nathan Kutz

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp367-370 [[Online Full Text](#)]

A Novel Cascaded Nonlinear Equalizer Configuration on Recurrent Neural Network Framework for Communication Channel

Susmita Das

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp371-375 [[Online Full Text](#)]

A Simple Digital VHDL QPSK Modulator Designed Using CPLD/FPGAs for Biomedical Devices Applications

Gihad Elamary, Graeme Chester, and Jeffrey Neesham

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp376-381 [[Online Full Text](#)]

Outer Bounds for the Symmetric Gaussian Cognitive Radio Channel with DPC Encoded Cognitive Transmitter

F. G. Awan, N. M. Sheikh, and F. H. Muhammad

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp382-385 [[Online Full Text](#)]

Investigation of the Operational Behavior of a Large Chipper Drive

H. Kapeller, A. Haumer, C. Kral, and C. Grabner

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp386-391 [[Online Full Text](#)]

Scattering at MOS Interfaces

Raheel Shah, and M. M. De Souza

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp392-396 [[Online Full Text](#)]

Evidence of Dot-size Variation in Nanowire Silicon Transistor

Yue-Min Wan, Kuo-Dong Huang, Shu-Fen Hu, and Chin Lung Sun

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp397-399 [[Online Full Text](#)]

Non - Isothermal Depolarization Current Studies in Polyvinyl Pyrrolidone (PVP) Foil Electrets

Vikram S Yadav, Devendra K Sahu, and Yashpal Singh

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp400-402 [[Online Full Text](#)]

Design of a Large Measurement Range Piezoelectric Accelerometer

ZHANG Zhong-cai, Yang Li-ming, and CHENG Yong-sheng

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp403-406 [[Online Full Text](#)]

Novel Dual-Pulse Actuation Voltage for Longer MEMS Switch Lifetime

C. H. Lai, and W. S. H. Wong

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp407-410 [[Online Full Text](#)]

Optimal Placement of Shunt Connected Facts Device in a Series Compensated Long Transmission Line

Ibrahim Oumarou, Daozhao Jiang, and Cao Yijia

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp411-416 [[Online Full Text](#)]

Semi-Empirical Phonon Scattering Model

Raheel Shah, and M. M. De Souza

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp417-422 [[Online Full Text](#)]

Interlayer Dielectric Capping Effect on Thermal Stability of Ni Germanide on Doped Ge-on-Si Substrate for Nano-scale Ge MOSFETs

Ying-Ying Zhang, Jungwoo Oh, Shi-Guang Li, Kee-Young Park, Hong-Sik Shin, In-Shik Han, Hyuk-Mim Kwon, Ga-Won Lee, Jin-Suk Wang, Prashant Majhi, Raj Jammy, and Hi-Deok Lee

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp423-426 [[Online Full Text](#)]

The Characterization of Micro-Channel Structure Poly Silicon Solar Cell Shaped by Laser Carving

Technology

Liann B. Chang, Hsin C. Chen, Chao S. Lai, and Chung W. Liao

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp427-428 [[Online Full Text](#)]

FE Magnetic Field Analysis Simulation Models based Design, Development, Control and Testing of An Axial Flux Permanent Magnet Linear Oscillating Motor

Govindaraj T, Debashis Chatterjee, and Ashoke K. Ganguli

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp429-434 [[Online Full Text](#)]

Modeling and Simulation of Broken Rotor Bars in Squirrel Cage Induction Machines

C. Kral, A. Haumer, and C. Grabner

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp435-440 [[Online Full Text](#)]

DC Suppressed Fourier Power Spectrum Sum: A Means to Determine Periodicity ( Repeat Unit ) and Thread Count of Fabric Patterns

V. Jayashree, and S. Subbaraman

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp441-446 [[Online Full Text](#)]

Finite Element Method on Mass Loading Effect for Gallium Phosphate Surface Acoustic Wave Resonators

M. N. Hemidon, S. A. Mousavi, M. M. Ise, A. Ismail, and M. A. Mahdi

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp447-452 [[Online Full Text](#)]

On the Real Time Implementation of a Controller for an Electromechanical System

Ruben Salas-Cabrera, Jonathan C. Mayo-Maldonado, Erika Y. Rendon-Fraga, Eduardo N. Salas-Cabrera, and Aaron Gonzalez-Rodriguez

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp453-458 [[Online Full Text](#)]

Performance Enhancement of OFDM System with ICI Reduction Technique

Srabani Mohapatra, and Susmita Das

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp459-462 [[Online Full Text](#)]

Design Methodology for a Maximum Sequence Length MASH Digital Delta-Sigma Modulator

Tao Xu, and Marissa Condon

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp463-468 [[Online Full Text](#)]

Structure Design and Fabrication of Silicon Resonant Micro-accelerometer Based on Electrostatic Rigidity

ZHANG Feng-lian, HE Xiao-ping, SHI Zhi-gui, and ZHOU Wu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp469-473 [[Online Full Text](#)]

A Force Directed Macro Cell Placement Tool

Methiha Samaranyake, Helen Ji, and John Aincough



Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp474-479 [[Online Full Text](#)]

## The 2009 International Conference of Information Engineering

Using Virtual I/O for CAN Bit Timing Conformance Tests

I. Shelkh, M. Short, and K. F. Athaide

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp480-485 [[Online Full Text](#)]

A Denotational Semantics of Concepts in ODP Information Language

Jalal Laassiri, Youssef Balouki, Hafid Belhaj, Said El Hajji, and Mohamed Bouhdad

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp486-492 [[Online Full Text](#)]

## The 2009 International Conference of Information Security and Internet Engineering

Correspondence between Multiple Views in a SOA Trans-National Business System

Anca Daniela Ionita, Monica Florea, and Lucian Jelea

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp493-498 [[Online Full Text](#)]

A Specialized Cache of Automata Matching for Content Filtering

Kuo-Kun Tseng, Chao-Shi Wang, and Ya-Ying Liao

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp499-503 [[Online Full Text](#)]

The Case for the Universal Personal Internet Identification: The Case against Internet Anonymity

Nazil Hardy

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp504-508 [[Online Full Text](#)]

TransCrypt: an Enterprise Encrypting File System over NFS

Abhay Khoje, Sali K A, and Rajat Moone

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp509-514 [[Online Full Text](#)]

Comparative Evaluation of Header vs. Payload based Network Anomaly Detectors

Faisal M. Cheema, Adeel Akram, and Zeshan Iqbal

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp515-519 [[Online Full Text](#)]

## The 2009 International Conference of Manufacturing Engineering and

## Engineering Management

Stability Lobes Prediction in Thin Wall Machining

O. B. Adetoro, P. H. Wen, W. M. Slim, and R. Vepa

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp520-525 [[Online Full Text](#)]

A New Hybrid Genetic Algorithm and Tabu Search Method for Yard Cranes Scheduling with Inter-crane Interference

K. L. Mak, and D. Sun

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp526-531 [[Online Full Text](#)]

Sleeping Posture Analysis of Economy Class Aircraft Seat

C. F. Tan, W. Chen, F. Kimman, and G. W. M. Rauterberg

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp532-535 [[Online Full Text](#)]

Fabrication Process of 3D Micro Components from Stainless Steel Aqueous Slurry

Mohamed Imbaby, and Kyle Jiang

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp536-540 [[Online Full Text](#)]

How to Release Orders with Sequence-dependent Setup Times?

Nuno O. Fernandes, and S. Carmo - Silva

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp541-544 [[Online Full Text](#)]

Development of 5S Practice Checklist for Manufacturing Industry

N. Khamis, M. N. Ab Rahman, K.R. Jamaludin, A.R. Ismail, J.A. Ghani, and R. Zulkiffli

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp545-549 [[Online Full Text](#)]

Developing a Novel Framework for Quality System and Systems Thinking to Integrate: A Paradigm Shift in Maintenance

Hari Agung Yuniarso, and Hiroshi Oaeda

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp550-554 [[Online Full Text](#)]

Utilising Fly Ash as a Salt Sinking Media Through Pasting with Industrial Brine

Y. Muntingh, J. S. Mahlaba, and C. Pretorius

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp555-560 [[Online Full Text](#)]

Development Of Cost Effective Agglomerated Fluxes From Waste Flux Dust For Submerged Arc Welding

Vinod Kumar, Narendra Mohan, and J. S. Khamba

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp561-565 [[Online Full Text](#)]

A Fuzzy Cognitive Map Approach for Modeling CPFR Supporting Factors

G. Buyukozkan, Z. Vardaloglu, and O. Feyziloglu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp568-571 [[Online Full Text](#)]

Optimization Formulation Based on Limited Data and RSM: An Approximation

Mohamed H. Gadallah

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp572-577 [[Online Full Text](#)]

An Engineering Philosophy for the Next Wave of Infrastructure Renewal

Steven G. Pudney, Lin Ma, and Joseph Mathew

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp578-583 [[Online Full Text](#)]

Study Regarding the Knowledge and Use of Costs Analysis to the Setting-up of Prices Policy in Firms

Alina-Teodora Cihureanu, and George Balan

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp584-589 [[Online Full Text](#)]

Moulding Parameter Optimisation for the Best Sintered Density

Khairur Rijal Jamaludin, Norhamidi Muhamad, Mohd Nizam Ab. Rahman, Sri Yulis M. Amin, Sufizar Ahmad, Mohd Halim Irwan Ibrahim, Murtadhahadi, and Nor Hafiez Mohamad Nor

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp590-594 [[Online Full Text](#)]

Supply Chain Management in a Dairy Industry - A Case Study

K. Venkata Subbaiah, K. Narayana Rao, and K. Nookesh babu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp595-599 [[Online Full Text](#)]

Simulation in Bus Manufacture

Muhammad Latif

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp600-603 [[Online Full Text](#)]

Simultaneous Scheduling of Import and Export Containers Handling in Container Terminals

K. L. Mak, and L. Zheng

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp604-609 [[Online Full Text](#)]

Computer Simulation-based Optimization: Hybrid Branch & Bound and Orthogonal Array based Enumeration Algorithm

Mohamed H. Gadallah

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp610-617 [[Online Full Text](#)]

Human Error Management Optimization in CAREM NPP

Jorge E. Nunez McLeod, and Selva S. Rivera

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp618-622 [[Online Full Text](#)]

How to Analyse Specifications with Self Organizing Map

Jorg Feldhusen, Elisao Milonia, Arun Nagarajah, and Sebastian Schubert

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp623-627 [[Online Full Text](#)]

Automotive Process-based New Product Development: A Review of Key Performance Metrics

Komsan Sanongpong

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp628-633 [[Online Full Text](#)]

Design and Development of a Model for Competitive Production Management System through Axiomatic Design - A Case Study

R.M.Belokar, and R.N. Nauhria

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp634-639 [[Online Full Text](#)]

Production Planning in the Inventory Limited Capacity Setting Assuming Permissible Storage Shortage Using Dynamic Programming Model

Firoozeh Attarian, Habibollah Javanmard, Ali Mardani, and Ehsan Kish Hazrate Soltan

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp640-644 [[Online Full Text](#)]

Influence of Preventive Maintenance Policy on Manufacturing Systems Performances

Antonio C. Caputo, and Paolo Salini

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp645-650 [[Online Full Text](#)]

Recommendations Generated about a Discontinuous Distillation Plant of Biofuel

Selva S. Rivera, and Jorge E. Nunez McLeod

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp651-656 [[Online Full Text](#)]

Reduction of NOX Gases Using Copper Zeolite Catalyst

Abdallah M. Hasna

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp657-661 [[Online Full Text](#)]

Geochemistry of Different Aquatic Systems in Thiruvananthapuram, Southern Kerala

Sobha V, P. R. Abhilash, S. Santhosh, Hashim. K. A, and E.Vatsalakumar

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp662-667 [[Online Full Text](#)]

Performance Evaluation of Control Schemes Under Drift in Simple Linear Profiles

Abbas Saghaei, Amirhosein Amiri, and Merziah Mehrjoo

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp668-672 [[Online Full Text](#)]

Lean Manufacturing using Axiomatic Design

Sachpreet Singh Aulakh, and Janpreet Singh Gill

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp673-678 [[Online Full Text](#)]

Composite Dielectric Heating and Drying: The Computation Process

Abdallah M. Hasna

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp679-686 [[Online Full Text](#)]

Mass Customization: Where do we go from here?

Arun N. Nambiar

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp687-693 [[Online Full Text](#)]

Impact of Sea-Sand Filling in the Paravur-Kappil Backwaters, Southern Kerala with Special Reference to Phytoplankton Productivity

S. Santhosh, V. Sobha, E. Valsalakumar, and Hashim K. A

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp694-699 [[Online Full Text](#)]

New Cooling Channel Design for Injection Moulding

A. B. M. Saifulah, S. H. Masood, and Igor Sbarski

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp700-703 [[Online Full Text](#)]

Microstructural Investigation of Direct Metal Deposition of H13 Steel on High Strength Copper Substrate

M. Khalid Imran, S. H. Masood, and Milan Brendt

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp704-708 [[Online Full Text](#)]

An AHP-based Study of WCM Implementation Factors in ISO 9001 Certified Manufacturing Organizations in Trinidad and Tobago

Krystal Remoutar, and Chanen S. Syan

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp709-714 [[Online Full Text](#)]

Studies on Removal of As(□□) by Several Types of Ferrated Salt in Aqueous Medium

Guiqiu Liu, Qingsong Liu, and Xingchun Zhu,

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp715-718 [[Online Full Text](#)]

Computational Analysis of Erosion Wear Rate in a Pipeline Using the Drift Flux Models based on Eulerian Continuum Equations

Joseph I. Achebo

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp719-721 [[Online Full Text](#)]

Investigation of Surface Roughness and Flank Wear by CBN and PCBN Tools on Hard Cr-Mo Steel

S.Thamizhmani, and S. Hasan

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp722-728 [[Online Full Text](#)]

Professional Ethics in Construction Industry of Pakistan

Nadeem Ehsan, Sohail Anwar, and Muhammad Talha

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp729-733 [[Online Full Text](#)]

The Impact of Manufacturing Execution Systems on Labor Overheads

Ardeshr Nasarwanji, David Pearce, Petros Khoudian, and Ricardo Worcester

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp734-737 [[Online Full Text](#)]

Collaborative Learning in Condition Based Maintenance

Javid Koochaki

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp738-742 [[Online Full Text](#)]

The Optimal Milling Condition of the Quartz Rice Polishing Cylinder Using Response Surface Methodology

Surapong Bangphan, Phiraphan Bangphan, Sukengkane Lee, Sermkiat Jomjunyong, and Suwattanarwong phanphet

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp743-747 [[Online Full Text](#)]

Influence of Quality, Innovation and New Product/Services Design on Small and Medium Enterprises

Aamer Hanif, and Irfan Anjum Manarvi

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp748-751 [[Online Full Text](#)]

The ERP Project Risk Assessment - A case study

Patvi Iskanikus

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp752-756 [[Online Full Text](#)]

Description of Components with Graded Properties

D. Dettmer, J. Brokelmann, and J. Gausemeier

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp757-760 [[Online Full Text](#)]

An Investigation into Effect of Canned Cycles on Drilled Hole Quality

M. N. Islam, N. H. Rafi, and P. Charoon

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp761-766 [[Online Full Text](#)]

The 2009 International Conference of Parallel and Distributed Computing

ETHOM, an Ethernet over SCI and DX Driver for Linux

Rainer Finocchiaro, Lukas Razik, Stefan Lenkes, and Thomas Bemmerl

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp767-773 [[Online Full Text](#)]

PROMESPAR: A Parallel Implementation Of The Regional Atmospheric Model PROMES

Juan E. Garrido, Enrique Arlas, Diego Cazorla, Fernando Cuartero, Ivan Fernandez, and Clemente Gallardo

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp774-779 [[Online Full Text](#)]

Web-based Axial Fan Simulator using Supercomputer

Myungil Kim, Seungmin Lee, Jaesung Kim, and Sangmin Lee

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp780-783 [[Online Full Text](#)]

Event B for ODP Enterprise Behavioral Concepts Specification

Y. Balouki, J. Laassiri, H. Belhaj, R. Benaini, S. El hajji, and M. Bouhdadi

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp784-788 [[Online Full Text](#)]

Reverse Engineering with Shape Optimization using Workflow-Based Computation and Distributed Computing

Damir Vucina, Zeljan Lozina, and Igor Pehnc

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp789-794 [[Online Full Text](#)]

## The 2009 International Conference of Signal and Image Engineering

Utilizing the Discrete Orthogonality of Zernike Functions in Corneal Measurements

Zoltan Fazekas, Alexandros Soumelidis, and Ferenc Schipp

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp795-800 [[Online Full Text](#)]

Dynamical Energy-Based Speech/Silence Detector for Speech Enhancement Applications

Kirill Sakhnov, Ekaterina Verteletskaya, and Boris Simak

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp801-806 [[Online Full Text](#)]

Image Enhancement Techniques Using Local, Global, Bright, Dark and Partial Contrast Stretching For Acute Leukemia Images

N. R. Mokhtar, Nor Hazlyna Harun, M. Y. Mashor, H. Rosellina, Nazahah Mustafa, R. Adollah, H. Adiah, and N. F. Mohd Nasir

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp807-812 [[Online Full Text](#)]

Determination of Radar Z-R Relationship For Libya - Tripoli City

Kamil S. Ali, and Medhat H. Said

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp813-816 [[Online Full Text](#)]

VLSI Design for High-Speed Image Computing Using Fast Convolution-Based Discrete Wavelet Transform

Mounassar Maamoun, Abderrahmane Namane, Mehdi Neggazi, Rachid Beguenane, Abdelhamid Meraghni, and Daoud Berkani

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp817-821 [[Online Full Text](#)]

Piecewise Lifting Scheme Based DWT to Model Human Vision Interpolation Phenomenon

Rohini S. Asamwar, Kishor M. Bhurchandi, and Abhay S. Gandhi

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp822-827 [[Online Full Text](#)]

Markov Models and Extensions for Land Cover Mapping in Aerial Imagery

Mohamed El Yazid Boudaren, and Abdel Belaïd

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp828-833 [[Online Full Text](#)]

Combining Extended Dependency Tree - HMM based Recognition and Unsupervised Segmentation for Land Cover Mapping in Aerial Images

Mohamed El Yazid Boudaren, and Abdel Belaïd

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp834-839 [[Online Full Text](#)]

Primary Study on Correlation Dimension of 24h HRV in Different Frequency Domains

Xia Li, and Xian Xu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp840-841 [[Online Full Text](#)]

Advantages of Matched Filter Detection at Quadrature Baseband Than at Radio Frequency

Lusungu Ndovi

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp842-845 [[Online Full Text](#)]

Image Segmentation Using Active Contour Model and Level Set Method Applied to Detect Oil Spills

M. Alrouche, L. Bentabet, and M. Zelmat

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp846-850 [[Online Full Text](#)]

## The 2009 International Conference of Wireless Networks

Transmit and Receive Power Optimization for Source-Initiated Broadcast in Wireless-Relay Sensor Networks

Chen-Yi Chang, and Da-shan Shu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp851-856 [[Online Full Text](#)]

Dynamic Buffer Management for Multimedia Services in 3.5G Wireless Networks

Suleiman Y. Yarlina, and Khalid Al-Begain

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp857-862 [[Online Full Text](#)]

Deterministic Deployment of Wireless Sensor Networks

M.Brazil, C.J.Ras, and D.A.Thomas

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp863-868 [[Online Full Text](#)]

Optimum Sample Number for Central and Autonomous Wireless Sensor Network in Process Automation Applications

Amir M. Jafari, and Walter Lang

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp869-874 [[Online Full Text](#)]

Employ the Ad-hoc Admission Control on WIMAX Relay Station to Give the Coverage for the Mobile Stations Out of Coverage

Anas. Majeed, A. A. Zaidan, S. M. Mohammed, B. B. Zaidan, and R. Z. Raji

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp875-879 [[Online Full Text](#)]

Laboratory Performance Studies of IEEE 802.11 b, g Point-to-Point Links through TCP, UDP and FTP Experiments

J. A. R. Pacheco de Carvalho, P. A. Gomes, H. Veiga, C. F. Ribeiro Pacheco, N. Marques, and A. D. Reis

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp880-883 [[Online Full Text](#)]

A Contribution to Laboratory Performance Evaluation of IEEE 802.11 a, b, g Point-to-Point Links: a Case Study

J. A. R. Pacheco de Carvalho, P. A. Gomes, H. Veiga, C. F. Ribeiro Pacheco, N. Marques, and A. D. Reis

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp884-888 [[Online Full Text](#)]

Content Classification Based on Objective Video Quality Evaluation for MPEG4 Video Streaming over Wireless Networks

Aalya Khan, Lingfen Sun, and Emmanuel Ifeachor

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp889-894 [[Online Full Text](#)]

Development of Prioritized Handoff Scheme for Congestion Control in Multimedia Wireless Network

Ojesanmi O. A., Ojesanmi A., and Makinde O

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp895-900 [[Online Full Text](#)]

A Handover Scheme for Subnet Mobility in Heterogeneous Networks

Xuefeng Yan, Bing Chen, Hongyan Qian, Feng Gu, and Xiaolin Hu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp901-906 [[Online Full Text](#)]

Throughput Optimization of Unplanned Wireless Mesh Networks Deployment Using Partitioning Hierarchical Cluster (PHC)

Ahmed. K. Hasan, A. A. Zaidan, Roell Saleh, Omar Zakaria, B. B. Zaidan, and S. M. Mohammed

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp907-911 [[Online Full Text](#)]

A Performance Evaluation Study of WiMAX Using Qualnet

Khaled A. Shualb

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp912-916 [[Online Full Text](#)]

EATSAL: An Energy Aware Task Scheduling Algorithm for Hybrid Networks

F. Hussain, A. Akram, and M. Zafrullah

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp917-922 [[Online Full Text](#)]

An Optimization Scheme for Energy Efficient Ad-hoc Wireless Networks Operating in Error-prone Channel Conditions

Tsung-Han Lee, Alan Marshall, and Bosheng Zhou

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp923-927 [[Online Full Text](#)]

## The 2009 International Conference of Applied and Engineering Mathematics

Block Krylov Subspace Spectral Methods for Variable-Coefficient Elliptic PDE

James V. Lambers

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp828-933 [[Online Full Text](#)]

Nonlinear Resonances of a Semi-Infinite Cable on a Unilateral Elastic Substrate

Lucio Demelo, and Siefano Lenci

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp934-939 [[Online Full Text](#)]

Spatial Disorder Of Coupled Discrete Nonlinear Schrodinger Equations

Shih-Feng Shieh

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp940-944 [[Online Full Text](#)]

Stability Analysis of the Mode-Locking Dynamics in a Laser Cavity with a Passive Polarizer

Edwin Ding, and J. Nathan Kutz

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp945-950 [[Online Full Text](#)]

Maximization of Power Yield in Thermal and Chemical Systems

S. Sienlutyicz

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp951-956 [[Online Full Text](#)]

Electromagnetic Scattering of Plane Wave from a Finite Array of Partially-Shielded Dielectric Cylinders

Kaiser Lock



Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp957-962 [[Online Full Text](#)]

Implementation of Boundary Equations in the Finite Transfer Method

Lazaro Gimena, Pedro Gonzaga, and Faustino N. Gimena

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp963-968 [[Online Full Text](#)]

A Weighted Ostrowski-Gruss Type Inequality and Applications

Ather Qayyum

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp969-974 [[Online Full Text](#)]

Numerical and Experimental Investigation of an Elliptical Paraboloid Shell Model

D. HAMADI, R. CHEBILI, and M. MELLAS

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp975-979 [[Online Full Text](#)]

Two-Dimensional PCBFs : Application to Nonlinear Volterra Integral Equations

K. Maleknejad, S. Sohrabi, and B. Baranj

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp980-983 [[Online Full Text](#)]

An Efficient Technique to Treat Singularities when Applying BEM with Quadratic Boundary Elements to the Problem of Compressible Fluid Flow

Ion Vladimirescu, and Luminita Grecu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp984-988 [[Online Full Text](#)]

Asymmetric Taxation in a Competition Between Nonprofit and For-Profit Firms

Fernanda A. Ferreira

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp989-992 [[Online Full Text](#)]

Modelling Traffic Flow with Constant Speed using the Galerkin Finite Element Method

Wesley Ceulemans, Magd A. Wahab, Kurt De Proft, and Geert Wets

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp993-999 [[Online Full Text](#)]

An Optimal Stopping Rule for Approaching a Border that Should not be Crossed

Andrzej Z. Grzybowski

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1000-1002 [[Online Full Text](#)]

General Formulae for Frequency Shifts Using a Parallel Transport of Wave 4-Vector in Flat Minkowski Space

Kostadin Trencevski, and Emilija G. Celakoska

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1003-1009 [[Online Full Text](#)]

Switchings Conditions Study for a Particular Class of Hybrid Dynamical Systems

Celine Quemard

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1010-1015 [[Online Full Text](#)]

Entrapped Gas Action for One-Dimensional Models of Capillary Dynamics

Riccardo Fazio, and Salvatore Iacono

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1016-1021 [[Online Full Text](#)]

Nonlinear Analysis of Concrete Gravity Dams by Neural Networks

Abdolreza Joghataie, and Mehrdad Shafiei Dizaji

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1022-1027 [[Online Full Text](#)]

Theorems and Methods on Partial Functional Iteration

Ibrahim M. Alabdulmohsin

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1028-1034 [[Online Full Text](#)]

Approximation Results For q-Parametric BBH Operators

Nazim Mahmudov, and Pembe Sabancigil

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1035-1039 [[Online Full Text](#)]

Solving Second Order Linear Differential Equations via Algebraic Invariant Curves

Yiu-Kwong Man

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1040-1042 [[Online Full Text](#)]

Correlation Study between Second/Fourth Digit Ratio, Number of Older Brothers and Mathematics Inclination in Female Pre-service Teachers

Maureen Jordan-Steen

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1043-1045 [[Online Full Text](#)]

ADFE Simulation for Anisotropic Convection Diffusion Problems with Moving Boundaries

Xia Cui, Jing-Yan Yue, and Xi-Jun Yu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1046-1051 [[Online Full Text](#)]

Quantity-Setting Competition Under Uncertain Demand

Fernanda A. Ferreira, and Flavio Ferreira

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1052-1055 [[Online Full Text](#)]

Chaotic Generator in Digital Secure Communication

Shu-Ming Cheng

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1056-1060 [[Online Full Text](#)]

The Necessary and Sufficient Condition for a Set of Matrices to Commute and Related Results

M. De la Sen

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1061-1070 [[Online Full Text](#)]

Comparative Strength of Common Structural Shapes Using Genetic Algorithms

Federico M. Nedela, and Jose Ernie C. Lope

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1071-1074 [[Online Full Text](#)]

On the Misapplication of Cybernetics to Sensory Neurons: Norwich's Informational Entropy Theory of Perception Has Not Derived Stevens' Law for Taste

Lance Nizami

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1075-1079 [[Online Full Text](#)]

On a Generic Differentiation Rule for all Mathematical Operators

Ibrahim M. Alabdulmohsin

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1080-1083 [[Online Full Text](#)]

Interval Oscillation Criteria for Second-Order Delay Differential Equations

Qinghua Feng

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1084-1088 [[Online Full Text](#)]

Truss Topology Optimization Using Genetic Algorithm with Individual Identification Technique

Su Ruiyi, Gul Llangjin, and Fan Zijie

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1088-1093 [[Online Full Text](#)]

Explicit Finite Difference Method For Convection-Diffusion Equations

Qinghua Feng

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1094-1097 [[Online Full Text](#)]

Using Optimal Time Step Selection to Boost the Accuracy of FD Schemes for Variable-Coefficient PDEs

Kevin T. Chu, and James V. Lambers

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1098-1103 [[Online Full Text](#)]

Engineering Mathematical Study for the Visco-Elastic Impact Problem

L. Hou, H.Wang, L. Cai, and L. Qiu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1104-1108 [[Online Full Text](#)]

A New Model Updating Method for Quadratic Eigenvalue Problems

Yueh-Cheng Kuo, Wen-Wei Lin, and Shufang Xu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1109-1114 [[Online Full Text](#)]

t-Generalized Closed Sets in Topological Spaces

A. Pushpalatha, S. Eswaran, and P. Rajarubi

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1115-1117 [[Online Full Text](#)]

Unsteady Free Convective Flow of a Temperature Varying Electrically Conducting Fluid

Krishna Gopal Singha, and P. N. Deka

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1118-1123 [[Online Full Text](#)]

Diameter Constrained Network

A. Barreiras

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1124-1126 [[Online Full Text](#)]

Intensity Dynamics in a Waveguide Array Laser

Matthew O. Williams, and J. Nathan Kutz

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1127-1130 [[Online Full Text](#)]

A New Approach for Establishing the Energy Momentum Tensor in the Theory of Relativity

Andrei Nicolaide

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1131-1137 [[Online Full Text](#)]

A Complex Variable Boundary Element Method for the Flow around Obstacles

Luminita Grecu, Valentin Grecu, Mihai Demian, and Gabriela Demian

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1138-1142 [[Online Full Text](#)]

AGEI Method For Diffusion Equations

Bin Zhang, and Qinghua Feng

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1143-1146 [[Online Full Text](#)]

Finite-time Ruin Probability of Renewal Model with Risky Investment and Subexponential Claims

Tao Jiang

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1147-1151 [[Online Full Text](#)]

Parallel Alternating Group Explicit Iterative Method For Hyperbolic Equations

Qinghua Feng

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1152-1155 [[Online Full Text](#)]

Ruin Probability with Constant Interest Force and Negatively Dependent Insurance Risks

Tao Jiang

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1156-1159 [[Online Full Text](#)]

Adding Edges for a Simple Path to a Level of a Complete Binary Tree Maximizing Total Shortening Path Length

Kiyoshi Sawada

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1160-1163 [[Online Full Text](#)]

On a Nonlinear Nonlocal Cauchy Problem

Sergiu Alzicovici

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1164-1168 [[Online Full Text](#)]

Application of Eigenfunction Orthogonalities to Vibration Problems

I. Fedotov, T. Fedotova, M. Shatalov, and H. M.Tenkama

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1169-1173 [[Online Full Text](#)]

A Pade-Chebyshev Reconstruction of Functions with Jump Discontinuities

Arnel L. Tampos, and Jose Ernie C. Lope

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1174-1179 [[Online Full Text](#)]

Picard-Newton Iterative Method for Multimaterial Nonequilibrium Radiation Diffusion Problem on Distorted Quadrilateral Meshes

Jingyan Yue, Guangwei Yuan, and Zhiqiang Sheng

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1180-1185 [[Online Full Text](#)]

Strange Attractors in Nonlinear Time-delay Neural Systems

Shyan-Shiou Chen, and Chang-Yuan Cheng

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1186-1191 [[Online Full Text](#)]

On The Existence Of Locally Attractive Solutions Of A Nonlinear Quadratic Volterra Integral Equation Of Fractional Order

Mohamed I. Abbas

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1192-1196 [[Online Full Text](#)]

Voronoi Tessellations Description of Cast Composite Solidification Processes

Zbigniew Domanski, Mariusz Ciesielski, and Bohdan Mochnicki

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1197-1202 [[Online Full Text](#)]

Modeling Parabolic Pulse Formation in Mode-Locked Laser Cavities

Brandon G. Bale, and J. Nathan Kutz

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1203-1208 [[Online Full Text](#)]

Solving Fuzzy Linear Programming Problem as Multi Objective Linear Programming Problem

P. A. Thakre, D. S. Shelar, and S. P. Thakre

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1209-1212 [[Online Full Text](#)]

Adaptive Strategies for Numerical IVPs Solvers

Ricardo Fazio

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1213-1218 [[Online Full Text](#)]

Common Fixed Point Iterations of a Finite Family of Quasi-nonexpansive Maps

Abdul Rahim Khan

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1219-1223 [[Online Full Text](#)]

Monte Carlo Method for Physically-Based Drop Size Distribution Evolution

Moussa Tembely, Christian Lecot, and Arthur Soucemerlanadin

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1224-1229 [[Online Full Text](#)]

Low-dimensional Boundary-layer Model of Turbulent Dispersion in a Channel

Dmitry V. Strunin, and Anthony J. Roberts

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1230-1234 [[Online Full Text](#)]

Designing Optimal Flow Networks

M. G. Volz, M. Brazil, K. J. Swanepoel, and D. A. Thomas

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1235-1240 [[Online Full Text](#)]

An Algorithm For Minimization Of A Nondifferentiable Convex Function

Nada DJURANOVIC-MILICIC, and Milanka GARDASEVIC-FILIPOVIC

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1241-1246 [[Online Full Text](#)]

False-alarm and Non-detection Probabilities for On-line Quality Control via HMM

Chang C. Y. Dorea, Catia R. Goncalves, and Pledson G. Medeiros

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1247-1249 [[Online Full Text](#)]

Numerical Simulation of an Induction-Conduction Model Arising in Steel Hardening

J. M. Diaz Moreno, G. Garcia Vazquez, M. T. Gonzalez Montesinos, and F. Orlegon Gallego

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1250-1255 [[Online Full Text](#)]

Condition Based Maintenance of Periodically Inspected Systems

Allen H. Tai, Ling-Yau Chan, Yongdao Zhou, Haitao Liao, and E. A. Elsayed

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1256-1261 [[Online Full Text](#)]

An Approximate To Solution Of A Subclass Of Wiener-Hopf Integral Equation

Amir T. Payandeh Najafabadi, and Dan Kucerovsky

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1262-1267 [[Online Full Text](#)]

High Order Conservative ENO/WENO Lagrangian Schemes for Euler Equations

Juan Cheng, and Chi-Wang Shu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1268-1269 [[Online Full Text](#)]

## The 2009 International Conference of Computational Statistics and Data Engineering

Rank-sum Test Based on Order Restricted Randomized Design

Omer Ozturk, and Yiping Sun

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1270-1274 [[Online Full Text](#)]

Robust Regression Methods for the Analysis of Unreplicated Factorials

Roman de la Vera, and Victor M. Aguirre

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1275-1280 [[Online Full Text](#)]

A Novel Nonparametric Multiple Imputation Algorithm for Estimating Missing Data

Iffat A. Gheyas, and Leslie S. Smith

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1281-1286 [[Online Full Text](#)]

A Bayesian Review of the Meta-Analysis on the Efficacy of Bone Marrow-Derived Cells Transplantation in Adult Patients with Heart Diseases

Siew-Pang Chan, Rosalind Lee, and Kim-Leng Poh

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1287-1291 [[Online Full Text](#)]

A Neural Network Approach to Time Series Forecasting

Iffat A. Gheyas, and Leslie S. Smith

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1292-1296 [[Online Full Text](#)]

The Robust Distance for Similarity Measure Of Content Based Image Retrieval

Dyah E. Herwindati, and Sanj M. Isa

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1297-1302 [[Online Full Text](#)]

An Approach of Neuro-Fuzzy Classifiers Using the Example Dependent Costs

Allina Constantinescu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1303-1306 [[Online Full Text](#)]

An Efficient Recursive Transition Network Parser for Arabic Language

Bilal M. Batalneh, and Emad A. Batalneh

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1307-1311 [[Online Full Text](#)]

Local Bootstrap Approach for the Estimation of the Memory Parameter

J. Artech, and J. Orbe

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1312-1317 [[Online Full Text](#)]

Reliability Function Estimator with Exponential Failure Model for Engineering Data

Zuhair A. Al-Hemyari

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1318-1324 [[Online Full Text](#)]

## The 2009 International Conference of Financial Engineering

Stochastic Learning of the Optimum Bid in Auction Markets

Shahram Tabandeh, and Hannah Michalska

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1325-1330 [[Online Full Text](#)]

A Hybrid Finite Difference Method for Valuing American Puts

Jin Zhang, and SongPing Zhu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1331-1336 [[Online Full Text](#)]

Liquidity Adjusted Intraday Value at Risk

Jun Qi, and Wing Lon Ng

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1337-1343 [[Online Full Text](#)]

Ruin Probability for Non-standard Poisson Risk Model with Stochastic Returns

Tao Jiang

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1344-1349 [[Online Full Text](#)]

Financial Modelling with Ornstein - Uhlenbeck Processes Driven by Levy Process

Omer Onalen

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1350-1355 [[Online Full Text](#)]

Corporate Financial Strategy in SMEs

Jaroslav Pavlicerk

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1356-1358 [[Online Full Text](#)]

Pricing Variance Swaps with Stochastic Volatility

Song-Ping Zhu, and Guang-Hua Lian

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1359-1364 [[Online Full Text](#)]

On the Determinants of Interest Rate Swap Usage by Indian Banks

B. Charumathi

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1365-1370 [[Online Full Text](#)]

Machine Learning in FX Carry Basket Prediction

Tristan Fletcher, Fabian Redpath, and Joe D'Alessandro

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1371-1375 [[Online Full Text](#)]

Correlations in Financial Time Series during Extreme Events - Spectral Clustering and Partition Decoupling Method

Rossitsa Yalamova

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1376-1378 [[Online Full Text](#)]

A Note on the Dynamics of Target Leverage Ratios

C. F. Lo, and C. H. Hui

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1379-1383 [[Online Full Text](#)]

The Comparison Artificial Neural Networks and Multi Decimal Analysis Models for Forecasting Bankruptcy and Financial Distress

Habibollah Javanmard, and Farnoosh Saleh

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1384-1387 [[Online Full Text](#)]

Short Note on Correlation in a Hull-White Tree

Martin Auer

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1388-1389 [[Online Full Text](#)]

Valuation of Fixed Rate Mortgages by Moving Boundary Approach

C. F. Lo, C. S. Lau, and C. H. Hui

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1390-1395 [[Online Full Text](#)]

Price Reversal and Firm Size in the U.S. Stock Markets, New Evidence

W. K. Leung

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1396-1399 [[Online Full Text](#)]

Speeding Up Two-Level Simulation for Tail Conditional Expectations by Means of Prefix Sum Based Algorithms

Yi-Cheng Tsai, Hsin-Taung Peng, Jen-Ming Ho, Bryant Chen, and Ming-Yang Kao

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1400-1405 [[Online Full Text](#)]

A Generalized Linear Transformation Method for Simulating Meixner Levy Processes

Junichi Imai, and Ken Seng Tan

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1406-1411 [[Online Full Text](#)]

## The 2009 International Conference of Mechanical Engineering

Materials Structure and Strain Analysis Using Time-of-flight Neutron Diffraction

Shu Yan Zhang, Evelyn Godfrey, Brian Abbey, Pingguang Xu, Yo Tomota, David Lijedahl, Olivier Zanellato, Michael Fitzpatrick, Joe Kelleher, Salvatore Steno, Javier Santisteban, and Alexander M. Korsunsky

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1412-1419 [[Online Full Text](#)]

Optimising Performance of Polyurethane Elastomeric Products Via Control of Chemical Structure

Cristina Prisacaru, Elena Scortanu, and Victor A. Prisacaru

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1420-1425 [[Online Full Text](#)]

Safety Reliability Method Applied to Evaluate Smoke Control System of Fire Accident in the Tunnel of Mass Rapid Transit System

Ying-Cho Weng, Ming-Tsun Ke, and Sih-Li Chen

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1426-1430 [[Online Full Text](#)]

Average Pressure Gradient of Swirling Flow Motion of a Viscoelastic Fluid in a Circular Straight Tube with Constant Radius

Fernando Carapau

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1431-1435 [[Online Full Text](#)]

Hydrostatic Fluid-structure Characteristic Analysis of Hydraulically Damped Rubber Mount

Ling Wang, Zhenhua LU, and Ichiro Hagiwara

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1436-1441 [[Online Full Text](#)]

Geometrically Non-Linear Dynamic Analysis of Thin-Walled Beams

Kuo Mo Hsiao, Wen Yi Lin, and Ren Haw Chen

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1442-1446 [[Online Full Text](#)]



Elasto-Plastic EFGM Analysis of an Edge Crack

B. Aswani Kumar, I. V. Singh, and V. H. Saren

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1447-1451 [[Online Full Text](#)]

Simulation and Modeling of Friction Force and Oil Film Thickness in Piston Ring - Cylinder Liner Assembly of an I. C. Engine

Sutaria B. M, Bhatt D.V, and Mistry K, N

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1452-1457 [[Online Full Text](#)]

Particularity Concerning Evaluation of Unguided Rocket Trajectories Deviation under the Disturbance Factors Action

Dan RADUGANU, Ion NEDELICU, Doru SAFTA, Pamfil SOMOIAG, and Cristian-Emil MOLDOVEANU

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1458-1462 [[Online Full Text](#)]

Numerical Simulations of Reactive Flow Displacements in Porous Media

S. H. Hejazi, and J. Azaleh

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1463-1467 [[Online Full Text](#)]

A New Infinite Boundary Element Formulation Applied to Three-Dimensional Domains

Dimas Bettoli Ribeiro, and Joso Batista de Paiva

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1468-1473 [[Online Full Text](#)]

A Virtual System for Simulation of Human Upper Limb

Valentin Grecu, Luminita Grecu, Mihai Demien, and Gabriela Demian

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1474-1478 [[Online Full Text](#)]

Numerical Study of Sand Ingestion Through a Ventilating System

Adel. Ghenalet

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1479-1485 [[Online Full Text](#)]

New Empirical Correlations for Simulating the Influence of Compression Ratio on Ignition Delay and Overall Combustion Duration in SI Engines

R. Harish Kumar, and A. J. Antony

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1486-1492 [[Online Full Text](#)]

Feasibility of Using GMM Based Actuators in Active Control of Journal Bearing System

H. Y. Lau, K. P. Liu, W. Wang, and P. L. Wong

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1493-1498 [[Online Full Text](#)]

Development of Polymer Nanocomposites for Rapid Prototyping Process

M. S. Wahab, K. W. Dalgarno, R. F. Cochrane, and S. Hassan

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1499-1504 [[Online Full Text](#)]

Variable Countercurrent Distribution Control (VCDC) System in IC Diesel Engine

Md. Iqbal Mahmud, Haeng Muk Cho, and Kwak Sang-Shin

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1505-1509 [[Online Full Text](#)]

A Critical Review on Microtools Fabrication by Focused Ion Beam (FIB) Technology

Sanket N. Bhevsar, S. Aravindan, and P. Venkateswara Rao

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1510-1515 [[Online Full Text](#)]

Performance of a Pneumatic Muscle Actuated Rotation Module

Andreea Deaconescu, and Tudor Deaconescu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1516-1520 [[Online Full Text](#)]

Computer Aided Kinematic and Dynamic Analysis of a Horizontal Slider Crank Mechanism Used For Single-Cylinder Four Stroke Internal Combustion Engine

H. D. Desai

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1521-1525 [[Online Full Text](#)]

Prediction and Measurement of Through Thickness Residual stresses in Large Quenched Components

F. Hosseinzadeh, A. H. Mahmoudi, C. E. Truman, and D. J. Smith

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1526-1531 [[Online Full Text](#)]

Design Sensitivity Analysis and Optimization of McPherson Suspension Systems

Hee G. Lee, Chong J. Won, and Jung W. Kim

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1532-1537 [[Online Full Text](#)]

Characterization of Material Parameters

S. M. Humayun Kabir, Tae-In Yeo, and Sang-Ho Kim

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1538-1543 [[Online Full Text](#)]

Attitude Control of Spider-type Multiple-rotor Rigid Bodies Systems

Anton V. Doroshin

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1544-1549 [[Online Full Text](#)]

Service Robot for Inspecting Exterior Gas Pipes of High Rise Buildings

K. P. Liu, B. L. Luk, and Y. T. Chan

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1550-1554 [[Online Full Text](#)]

Assessment on Reusability of Space Shuttle External Tank

Vyshak SureshKumar, Sundeeep Ramachandran, and M. V. N. Sankaram

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1555-1556 [[Online Full Text](#)]

Elevated Temperature Mechanical Properties of Al Alloy AA6063/SiCp MMCs

Tarek A. Khalifa, and Tamer S. Mahmoud

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1557-1562 [[Online Full Text](#)]

A Homogenization Method for Pre-impregnated Composite Materials

Horatiu Teodorescu-Draghicescu, Sorin Vlase, Anghel Chiru, Maria Luminita Scutaru, and Dana Luca Motoc

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1563-1568 [[Online Full Text](#)]

Dynamic Modeling of a Mobile Mechanical System with Deformable Elements

Nicolae Dumitru, Cristian Copilusi, and Althabbi Zuhair

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1569-1574 [[Online Full Text](#)]

Performance Analysis of an Irreversible Otto Cycle using Finite Time Thermodynamics

Hemant B. Mehta, and Omprakash S. Bhatti

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1575-1579 [[Online Full Text](#)]

Energy and Exergy Analysis of Brayton-Diesel Cycle

Sanjay, Mukul Agarwal, and Rajay

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1580-1585 [[Online Full Text](#)]

Turbulent Boundary Layer Manipulation using Synthetic Jet Actuation

Adnan Qayoum, Valbhav Gupta, and P. K. Panigrahi

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1586-1591 [[Online Full Text](#)]

Experimental Investigation on the Effect of Workpiece Hardness and Cutting Speed on Surface Roughness in Hard Turning With CBN Tools

E. D. Derakhshan, and A. A. Akbari

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1592-1595 [[Online Full Text](#)]

A New and Practical Approach for Calculating the Static Eccentricity of Doubly Asymmetric, Non-proportional, Multi-storey Buildings

B. Rafezy, and W. P. Howson

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1596-1600 [[Online Full Text](#)]

The Effect of Von Karman Vortex Street on Building Ventilation

P. Praveen Kumar

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1601-1605 [[Online Full Text](#)]

Investigation of Cutting Parameters in Manufacturing of Femoral Heads

Nikolaos I. Galanis, and Dimitrios E. Manolakes

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1606-1611 [[Online Full Text](#)]

Changes in Laser Weld Bead Geometry with the Application of Ultrasonic Vibrations

S. Venkannah, and J. Mazumder

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1612-1617 [[Online Full Text](#)]

Position Control of DC Motor Using Genetic Algorithm Based PID Controller

Neenu Thomas, and P. Poongodi

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1618-1622 [[Online Full Text](#)]

Effect of Fins on Heat Transfer of Horizontal Immersed Tube in Bubbling Fluidized Beds

Saeid Rasouli, and Mohammad R. Golriz

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1623-1626 [[Online Full Text](#)]

Active Vibration Suppression Using Neural Networks

Yong Xie, and Ahmad Ghasempoor

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1627-1632 [[Online Full Text](#)]

Research Concerning the Interaction between the Ground and the Turbulent Aircraft Wake Vortex

Dan RADUCANU, Ion NEDELUCU, Doru SAFTA, Cristian-Emil MOLDOVEANU, and Pamfil SOMOIG

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1633-1637 [[Online Full Text](#)]

Prediction of Oil Film Thickness in Piston Ring - Cylinder Assembly in an I C Engine: A Review

D. V. Bhatt, M. A. Bulsara, and K. N. Mistry

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1638-1641 [[Online Full Text](#)]

Evaluation of the Performance of Reduced Beam Section (RBS) Connections in Steel Moment Frames Subjected to Cyclic Loading

Yousef Ashrafi, Behzad Rafezy, and W. Paul Howson

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1642-1648 [[Online Full Text](#)]

Machinability Studies of Al/SiC/ (20p) MMC by Using PCD Insert (1300 grade)

R. Venkatesh, A.M. Hariharan, and N. Muthukrishnan

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1649-1652 [[Online Full Text](#)]

The Effect of Ultrasound on the Microhardness and Nanohardness of Laser Welds in Mild Steel

S. Venkannah, and J. Mazumder

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1653-1657 [[Online Full Text](#)]

Aspects Concerning Impact Tests on Composites for Rigid Implants

Diana L. Colaros, Mihaela I. Baritz, Constantin M. Opran, and Gheorghe Bacanu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1658-1661 [[Online Full Text](#)]

Design and Optimisation of Crane Jibs for Forklift Trucks

Miralbes R, and Castejon L

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1662-1667 [[Online Full Text](#)]

Modeling & Simulation of Supersonic Flow Using McCormack's Technique

M. Seif Ullah Khalid, and Afzaal M. Malik

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1668-1672 [[Online Full Text](#)]

Stagnation-Point Pressure Distribution and Wall Shear Stress: Numerical Simulation and Similarity Solution

Val Kuong Sin, and Tai Yin Tong

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1673-1678 [[Online Full Text](#)]

Optimization of Space Structures with Fuzzy Constraints Via Real Coded Genetic Algorithm (RCGA)

A. Behraves, M. M. Ebad, and V. Rashtchi

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1679-1685 [[Online Full Text](#)]

Significance of the Ratio of Exhaust Temperature to Coolant Temperature and Its Effect on Various Engine Working Parameters

Pawan Kumar

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1686-1690 [[Online Full Text](#)]

Numerical Simulation of Low-Reynolds-Number and High-Lift Airfoil S1223

Rong Ma, and Peiqing Liu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1691-1696 [[Online Full Text](#)]

Condensation Heat Recycle in Solar Stills

Mohamed M. Aboabboud, Gyorgy Mink, and Abraham Kudish

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1697-1701 [[Online Full Text](#)]

Assessment of an Interface Conservative Algorithm MFBI in a Chimera Grid Flow Solver for Multi-Element Airfoils

Xu Kangle, and Sun Gang

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1702-1708 [[Online Full Text](#)]

Numerical and Analytical Approach of Thermo-Mechanical Stresses in FGM Beams

Fatemeh Farhatnia, Gholam-Alli Sharifi, and Saeid Rasouli

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1707-1712 [[Online Full Text](#)]

Mathematical Modeling of Fire Dynamics

L. Razzdolsky

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1713-1718 [[Online Full Text](#)]

A Numerical Approach for Modeling the Human Upper Limb

Valentin Grecu, Nicolae Dumitru, and Luminita Grecu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1719-1723 [[Online Full Text](#)]

Free Vibration Characteristics of Clinched Joints

Xiaocong He, Wenbin Zhang, Biao Dong, Xunzhi Zhu, and Sharfeng Gao

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1724-1729 [[Online Full Text](#)]

Rapid Manufacturing Technique used in the Development of a Regenerative Pump Impeller

Francis Quail, Mathew Stickland, and Thomas Scanlon

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1730-1736 [[Online Full Text](#)]

Stress Relief Cracking in Advanced Steel Material - Overview

S. P. Ghiya, D. V. Bhatt, and R. V. Rao

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1737-1740 [[Online Full Text](#)]

Effect of Material Models on Formability of Sheet Metals in Explosive Forming

M. Gerdoel, B. Mollael Dariani, and G. H. Llaghat

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1741-1746 [[Online Full Text](#)]

Real-Time Intelligent Gripping System for Dexterous Manipulation of Industrial Robots

Abhinev V, and Vivekanandan S

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1747-1752 [[Online Full Text](#)]

Bending Behaviour of the Composite Materials Made by Recycling of the CDs and DVDs

Camelia CERBU, and Horatiu TEODORESCU-DRAGHICESCU

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1753-1756 [[Online Full Text](#)]

A One-step Analytical Approach for Springback Compensation in Channel Forming Process

A. Behrouzi, B. M. Dariani, and M. Shakeri

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1757-1762 [[Online Full Text](#)]

Testing Stand for Antifriction Bearings with Applications in Biomechanics

Diana L. Cotoros, Mihaela I. Beritz, Constantin M. Opran, Serbina Leonardo, and Stanclu Anca

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1763-1765 [[Online Full Text](#)]

Optimum Forging Preform Shape Design by Interpolation of Boundary Nodes

M. Mirsaedi, F. R. Bglari, K. Nikbin, E. Moezami Goudarzi, and S. Bagherzadeh

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1766-1771 [[Online Full Text](#)]

Influence Of Operating Conditions On Nox Emission In A Ceramic Furnace Burner

A. Sould, W. Krlas, H. Mhiri, G. Le Palec, and P. Bournot

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1772-1776 [[Online Full Text](#)]

Performance Characteristics of SALiM Isolator

H. Teng, and Q. Chen

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1777-1780 [[Online Full Text](#)]

Effect Of Voltage Variation On MRR For Stainless Steel EN Series 58A (AISI 302B) In Electrochemical Machining: A Practical Approach

S. S. Uttarwar, and I. K. Chopade

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1781-1786 [[Online Full Text](#)]

Study of Air Fuel Ratio and Instantaneous Behaviour on Crank Angle of Four Cylinder Direct Injection Hydrogen Fueled Engine

M. M. Rahman, Mohammed K. Mohammed, Rosli A. Bakar, and M. S. M. Sani

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1787-1792 [[Online Full Text](#)]

Experimental Study and Analysis Of Temperature Variation in Multicylinder Motorized Engine Test - Rig Under Different Lubricants - A Case Study

Atul S. Shah, B. M. Sutaris, and D.V. Bhatt

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1793-1796 [[Online Full Text](#)]

Damping Analysis of a New Sandwich Structure

Horatiu Teodorescu-Draghicescu, Sorin Vlase, Dorin Rosu, Ramona Purcarea, and Violeta Munteanu

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1797-1802 [[Online Full Text](#)]

Comparative Verification of Fatigue in Steel Using Bending Tension Tests Carried Through Different Environments

Castro C. A. C, and Bracarense A. Q

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1803-1807 [[Online Full Text](#)]

A New Elastic-wave-based NDT System for Imaging Defects inside Concrete Structures

Jian-Hua Tong, and Shu-Tao Liao

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1808-1813 [[Online Full Text](#)]

The Influence of Ultrasonic-Vibration on Double Backward-Extrusion of Aluminum Alloy

Jung-Chung Hung, and Ming-Chieh Chiang

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1814-1819 [[Online Full Text](#)]

Dynamical Analysis of a Hydraulic Pressure Relief Valve

Gabor Licsko, Alan Champneys, and Csaba Hos

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1820-1826 [[Online Full Text](#)]

Oscillations of a Spacecraft with a Vertical Tether

Vladimir S. Aslanov

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1827-1831 [[Online Full Text](#)]

Acoustic Emissions from Polymeric Gears

K D Dearn, and D Wallon

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1832-1837 [[Online Full Text](#)]

## The 2009 International Conference of Systems Biology and Bioengineering

Speech Reconstruction in Post-Laryngectomised Patients by Formant Manipulation and Pitch Profile Generation

H. R. Sharifzadeh, F. Ahmadi, and I. V. McLoughlin

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1838-1843 [[Online Full Text](#)]

Stochastic Nonlinear Gompertz Model of Tumour Growth

C. F. Lo

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1844-1848 [[Online Full Text](#)]

The Effect of Pipette Tip Roughness on Giga-seal Formation

M. Malboubi, H. Ostadi, S. Wang, Y. Gu, and K. Jiang

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1849-1852 [[Online Full Text](#)]

A Computational Test of the Information-Theory Based Entropy Theory of Perception: Does It Actually Generate the Stevens and Weber-Fechner Laws of Sensation?

Lance Nizami

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1853-1858 [[Online Full Text](#)]

The Effect of Transforming Growth Factor Beta (TGF-Beta3), HCl and BSA/HCl on Trypsinisation of Bone Cells Monolayer

F. Sefat, M. Youseffi, R. F. Berends, S. A. Khaghani, and M. C. T. Denyer

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1859-1862 [[Online Full Text](#)]

MEGA: A Bio Computational Software for Sequence and Phylogenetic Analysis

Vipan Kumar, Apurba Dey, and Amarpal Singh

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1863-1865 [[Online Full Text](#)]

The Anti-Scarring (Wound Closure) Properties of TGF-Beta3, BSA/HCl and HCl in Cultured Human Bone Cell Monolayer

F. Sefat, M. Youseffi, R. F. Berends, S. A. Khaghani, and M. C. T. Denyer

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1866-1871 [[Online Full Text](#)]

Characterization and Biocompatibility Study of Nematic and Cholesteryl Liquid Crystals

Chin Phong Soon, Mansour Youseffi, Nick Blagden, Rebecca Berends, Samira Batista Lobo, Farideh A. Javid, and Morgan Denyer

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1872-1875 [[Online Full Text](#)]

Optimizations and Interpretations of Signal from Liquid Distribution Setup in Shake Flask

Amizon Azizan, Rungnape Voravichan, and Jochen Buchs

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1876-1880 [[Online Full Text](#)]

Effect of Dyslipidemia on Photoplethysmography Flow Mediated Dilation

M. Zahedtochal, E. Zahedi, and M. A. Mohd Ali

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1881-1884 [[Online Full Text](#)]

Study On The Influence Of Benzene Hexa Chloride (Hexa Chloro Cyclo Hexane) In Certain Endocrine Glands Of Gerbil

K.A. Hashim, K.K. Sreedevi Amma, S. Santhosh, and Sobha V.

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1885-1890 [[Online Full Text](#)]

On the General Solution of the Two-Dimensional Electrical Impedance Equation for a Separable-Variables Conductivity Function

M. P. Ramirez T, V. D. Sanchez N, O. Rodriguez T, and A. Gutierrez S

Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, pp1891-1895 [[Online Full Text](#)]



International Association of Engineers

[info@iaeng.org](mailto:info@iaeng.org)

© Copyright International Association of Engineers



# Newswood Publications

Newswood publishes journals, conference proceedings and books with a comprehensive covering of all the major branches of engineering for international associations. Each journal and conference proceeding has their own web page and is available to accredited universities and government libraries in hard-copy format and online format with no charge.

## Engineering Letters

Engineering Letters is published with both online and print versions. The journal covers the frontier issues in the engineering and the computer science and their applications in business, industry and other subjects. The computer science is a branch of engineering science that studies computable processes and structures. It contains theories for understanding computing systems and methods; computational algorithms and tools; methodologies for testing of concepts. The subjects covered by the journal include artificial intelligence, bioinformatics, computational statistics, database, data mining, financial engineering, hardware systems, imaging engineering, industrial engineering, internet computing, networking, operations research, scientific computing, software engineering, and their applications etc.

ISSN: 1816-0948 (online version); 1816-093X (print version)

The current editorial committee of the journal includes members of research center heads, faculty deans, department heads, professors, research scientists, experienced software development directors and engineers from over 20 countries. Printed copies of the journal are distributed to accredited universities and government libraries. All the papers in the journal are also available freely with online full-text content and permanent worldwide web link. The abstracts will be indexed and available at major academic databases.

### Submissions

Engineering Letters welcomes submissions of manuscripts concerning any branch of the engineering and computer science and the applications of computer science in business, industry and other subjects. All submitted papers are to be peer-reviewed for ensuring their qualities.

And go to view the details of the journal [Engineering Letters](#).

## IAENG International Journal of Computer Science

IAENG International Journal of Computer Science is published with both online and print versions. The journal covers the frontier issues in the computer science. Printed copies of the journal are distributed to accredited universities and government libraries. All the papers in the journal are also available freely with online full-text content and permanent worldwide web link. The abstracts will be indexed and available at major academic databases.

ISSN: 1819-9224 (online version); 1819-656X (print version)

IAENG International Journal of Computer Science welcomes author submission of papers concerning any branch of the computer science and their applications in business, industry and other subjects. The subjects covered by the journal include artificial intelligence, bioinformatics, computational statistics, database, data mining, financial engineering, hardware systems, imaging engineering, internet computing, networking, scientific computing, software engineering, and their applications etc. All submitted papers are to be peer-reviewed for ensuring their qualities.

And go to view the details of the journal at:

<http://www.iaeng.org/IJCS/index.html>

## **IAENG International Journal of Applied Mathematics**

IAENG International Journal of Applied Mathematics is published with both online and print versions. The journal covers the frontier issues in the applied mathematics and their applications in business, industry, science and other subjects. Applied Mathematics is a branch of mathematics that concerns itself with the connections between mathematics and other domains with the applications of the mathematical knowledge. A broad spectrum of applied mathematics is covered by the journal. The subjects include differential equations (ODEs and PDEs), numerical analysis, scientific computing, approximation theory and representation theory, matrix theory, mathematical physics, mathematical methods of engineering, optimization, operations research, linear and nonlinear programming, continuous modelling control theory, mathematical biology, bioinformatics, information theory, game theory, probability, mathematical economics, financial mathematics, actuarial science, cryptography, graph theory, statistics, theoretical computer science, stochastic systems theory, neuroscience, mechanics of solids, materials science and fluids etc.

ISSN: 1992-9986 (online version); 1992-9978 (print version)

IAENG International Journal of Applied Mathematics welcomes author submission of papers concerning any branch of the applied mathematics and their applications in business, industry and other subjects. The subjects include differential equations (ODEs and PDEs), numerical analysis, scientific computing, approximation theory and representation theory, matrix theory, mathematical physics, mathematical methods of engineering, optimization, operations research, linear and nonlinear programming, continuous modelling control theory, mathematical biology, bioinformatics, information

theory, game theory, probability, mathematical economics, financial mathematics, actuarial science, cryptography, graph theory, statistics, theoretical computer science, stochastic systems theory, neuroscience, mechanics of solids, materials science and fluids etc. All submitted papers are to be peer-reviewed for ensuring their qualities.

And go to view the details of the journal at:

<http://www.iaeng.org/IJAM/index.html>

## **Ordering the Recent Newswood Publications**

IMECS (The International MultiConference of Engineers and Computer Scientists) has the focus on the frontier topics in the theoretical and applied engineering and computer science subjects. The IMECS conference is organized by IAENG - International Association of Engineers. The conference proceedings book of IMECS 2006 contains the papers accepted by the conference IMECS 2006 and is available now for researchers and librarians:

Order the IMECS 2006 Proceedings Book and other IAENG Publication:

[http://www1.iaeng.com/publication/order\\_conference.php](http://www1.iaeng.com/publication/order_conference.php)

Order Status Enquiry:

[http://www1.iaeng.com/order\\_enquiry.php](http://www1.iaeng.com/order_enquiry.php)

## **Newswood Conferences**

Newswood Limited

[publication@iaeng.org](mailto:publication@iaeng.org)

Unit 1, 1/F, 37-39 Hung To Road, Hong Kong

© Copyright Newswood Limited