

AMIC 2010
& The Sixth East Asia SIAM Conference

June 22 – 24, 2010

PNB DARBY PARK EXECUTIVE SUITES
 KUALA LUMPUR, MALAYSIA

June 22, Tuesday (Morning Session)

08.00 - 09.00	Registration		
Chair: A1			
09.00 - 10.00	SIAM Keynote Speaker I: Prof C.T.Kelley		
	Rank-Deficient and Ill-Conditioned Nonlinear Least Squares Problems		
10.00 - 10.30	Break		
	Session 1 (Chair: B1)	Session 2 (Chair: C1)	Session 3 (Chair: D1)
10.30 - 11.00	Alireza Keshavarz The Crank-Nicholson Investigation of the One Dimensional Photorefractive Screening Solution	Wai Kong Yuen MCMC Algorithms and Their Applications in Quantum Chemistry	Chin-Tien Wu Adaptive Mesh Refinement for the Elliptic Interface Problems using the Immerse Finite Element Method
11.00 - 11.30	Shuo-Tsung Chen and Huang-Nan Huang Optimization-based audio watermarking in wavelet domain	Changiz Eslahchi A Monte-Carlo Method for the Construction of Phylogenetic Networks from Weighted Quartets	Abd Rahni Mt Piah Improved Sufficient Conditions for Monotonic Piecewise Rational Quartic Interpolation
11.30 - 12.00	Irwan Ary Dharmawan Analysis and Numerical Study of Fluid Flow Through Oscillatory Channel	Xiaoyue Luo On Nonlinear Local Regularization for an Inverse Problem of Option Pricing with Parameter Selection Strategy	Tao Wu Parallel Talbot Method for Nonnormal Jump-Diffusion Dynamics in Finance
12.00 - 13.00	EASIAM Student Paper Competition		
Chair: E1			
12.00 - 12.15	Zuliang Lu		
12.15 - 12.30	Kensuke Aishima		
12.30 - 12.45	Tomoyuki Miyaji		
12.45 - 13.00	Yinbing Chen		
13.00 - 14.30	Lunch		

June 22, Tuesday (Afternoon Session)

	Session 1 (Chair: F1)	Session 2 (Chair: G1)	Session 3 (Chair: H1)
14.30 - 15.00	L.F.Koo Energy Release Rate When a Circular Crack is Slightly Perturb Under Shear Pressure	Sze San-Nah Insertion Based Manpower Scheduling for In-Flight Catering Service	Isamu Ohnishi A Mathematical Analysis to Liesegang Ring as a Radially Symetric Solution in n-Space Dimension
15.00 - 15.30	Ching-An Wang Multiple Solutions of Steady Flows in a Rectangular Channel with Slip Effect on Two Equally Porous Walls	Sashirekha Appalasaamy A Comparison and Analysis of Step Size Rules for Optimization of the Job Shop Scheduling Lagrangean Dual Function	Rajshree Mishra Convolution Theorem for Fractional Fourier Transform: A Fractional Calculus Approach
15.30 - 16.00	Ruwaidiah Idris Effects of a magnetic Field on Low-Prandtl-Number Chaotic Convection in a Porous Medium	Siti Suzlin Supadi A Just-In-Time Production-Inventory Model for Single-Vendor Single-Buyer Under Time-Varying Demand Processes	Mohammad Isa Irawan Numerical Approach of Riccati Equation Using Radial basis Function Neural Networks
16.00 - 16.30	Mohsen Hatami Numerical Study of Collision and Absorption of Two Vector Solitons	Yeo Heng Giap Ivan A Production and Repair Model with Multiple Production and Repair Setups Under Time-Varying Demand	Teh Sin Yin Performance of the optimal Max-DEWMA chart versus the optimal Max-GWMA chart
16.30 - 17.00	M.Narahari Natural Convection Near a Vertical Plate with Newtonian Heating in the Presence of Thermal radiation and Mass Diffusion	Nuzulha Khilwani Ibrahim Improving Optimization of Appointment Scheduling with Analytical and Simulation Approach	Shin'ichi Oishi Numerical Verification of Existence for Solutions of Dirichlet Boundary Value Problems of Semilinear Elliptic Equations
17.00 - 17.30	Tea		

June 23, Wednesday (Morning Session)

	Session 1 (Chair: A2)	Session 2 (Chair: B2)	Session 3 (Chair: C2)
08.30 - 09.00	Fazlina Aman Boundary Layer and heat Transfer on the Stagnation Point Flow Toward a Vertical Stretching Sheet with Prescribed Surface Heat Flux	Maryam Mohaghegh Tabar Centralized Multi Objective resource Allocation Using Data Envelopment Analysis	Katsuhisa Ozaki Fast Interval Matrix Multiplication
09.00 - 09.30	Mohd Norhisham Che Soh Numerical Heat Dissipation Analysis of Printed	Alireza Amirteimoori A DEA Model for Two-Stage Production Processes	Liu Xuefeng Verified Eigenvalue Evaluation for Elliptic Operator and Its Application
09.30 - 10.00	Shazirawati Mohd Puzi Towards Information Integration in Sensor	Moradi Marzeih Measure of Efficiency with Enhanced Ruseel	Takeshi Ogita Accurate Singular Value Decomposition and Eigenvalue Decomposition
10.00 - 10.30	Break		
	Chair: D2		
10.30 - 11.30	SIAM Keynote Speaker I: Prof. Susanne C.Brenner		
	(title of the talk)		
	Invited Session 1 (Chair: E2)	Invited Session 2 (Chair: F2)	Invited Session 3 (Chair: G2)
11.30 - 12.00	Invited Speaker 1	Invited Speaker 2	Invited Speaker 3
12.00 - 12.30	Invited Speaker 4	Invited Speaker 5	Invited Speaker 6
12.30 - 13.00	Invited Speaker 5	Invited Speaker 6	Invited Speaker 7
13.00 - 14.30	Lunch		

June 23, Wednesday (Afternoon Session)

	Session 1 (Chair: H2)	Session 2 (Chair: I2)	Session 3 (Chair: J2)
14.30 - 15.00	Hidenori Yasuda Transmission of Pandemic H1N1 Influenza in Japan in 2009: Simulated Measures and Post-Analysis	Ehsanollah Mansourirad A Data Envelopment Analysis Model with Uncertain Weights in Objective Function and Interval Efficiency Scores	Hashibah Hamid Some Investigations on the LDA when Handling Large Number of Variables
15.00 - 15.30	Koh Hock Lye Development of FluSiM@USM for H1N1 Simulation	S.Sarifah Radiah Shariff Using Location-Allocation Model to Optimize Current and Future Healthcare Facility Planning	Isamu Ohnishi Remarks to Study About Distribution of DNA-knot by Use of Jones Polynomial of Topological Invariant
15.30 - 16.00	Betty Voon Wan Niu Deterministic Behaviour in Malaysian Rainfall	A.J. Aisha Nuddin A Simple Model of Equity Contract with Default Probabilities	Xiao-Qing Jin A Ulm-Like Method for Inverse Eigenvalue Problems
16.00 - 16.30	Teh Su Yean Simulation of Tsunami in South China Sea Towards East Malaysia	Mahmoud Alrefaei Adaptive Balanced Algorithm for Continuous Stochastic Optimization	A.M.Nazari A Modified Precondition in the Gauss-Seidel, SOR and AOR Methods
16.30 - 17.00	Tea		
17.00 - 18.30	KLCC Tour (optional)		
18.30 - 20.00	Free Time		
20.00 - 22.00	Get Together Dinner		

June 24, Wednesday (Morning Session)

	Session 1 (Chair: A3)	Session 2 (Chair: B3)	Session 3 (Chair: C3)
08.30 - 09.00	Mohammad Yaghobifar, Nik Mohd Asri Nik Long Criteria of Homothetic Transformation and Rotation for a Hole in Plane Elasticity	Pradeep K.Joshi Dynamic Routing In An M ^a b/M/I Queuing System	Lazhar, Mesbahi The Exponential Stabilization for Some Controlled Degenerate Systems
09.00 - 09.30	Ni Wayan Surya Wardhani Logistic and Gompertz Model to Estimate the Growth of <i>Capsicum Frutescens L.</i>	Seyed A.Hosseini On Determining the Minimum Cost Flows in Dynamic Networks with Zero Transit Times	Abdelouahed EL KHALIL On the Principal of Discrete p-Laplacian
09.30 - 10.00	Valeriy Perminov Numerical Modeling of Forest Fire Initiation and Propagation	Tysseer Harak Mass Human Energy Harvesting: A Feasibility Study	Samir Karaa On the Stability of Galerkin Multi-step Approximation Schemes
10.00 - 10.30	Break		
	Session 1 (Chair: D3)	Session 2 (Chair: E3)	Session 3 (Chair: F3)
10.30 - 11.00	Y. Norzihani Mathematical Modeling of Lithium-Ion Concentration in Full Cell by Reinforcing the Concept of Finite Difference Method	K. Ratchagit Stability of Non-Autonomous Systems	Shamsollah Ghanbari, G.Latif A Novel Learning Based Method for Improving Accuracy of Lagrange Interpolation Method
11.00 - 11.30	Ku Azlina Ku Akil The Influence of Action Potential Duration and Conduction Velocity Restitution in Promoting Spiral Wave Breakup in Human Heart	P. Azhdari Existence of Fixed Theorems in Some Contraction	Roden Jason A.David An Algorithm for Approximating the Eigenvalues of the Product of Unitary Matrices and Its Applications
11.30 - 12.00	Noorul Akma Mat Amin Development of an Algorithm for Solving the Time-Dependent Schrodinger Equation	Dongyung Kim An Exact Solution of Location of a Circle to a Set of Points	Hyung-Chun Lee Analysis and Finite Element Approximations of Optimal Neumann Boundary Control Problems for Stochastic PDEs
12.00 - 12.30	Hilyati Hanina Zazali Key Exchange Protocols for Elliptic Curve Cryptography		Shamsollah Ghanbari A Genetic Algorithm based Model For Improving Computation Security of Cryptography's Algorithm
12.30 - 14.30	Lunch		
14.30 - 17.30	Campus Tour (optional)		