



PROGRAM

Sunday November 30, 2008

13:45 - 14:45 CAPS 2008 Registration at Press Club (3rd Floor)

15:00 - 17:45 Guided Bus City Tour of Hanoi



17:45 - 20:30 Welcome Reception at Press Club Terrace (3rd Floor)

Monday December 1, 2008

08:00 – 09:00 CAPS 2008 Registration at Press Club (1st Floor)

Opening Session & Keynote Session I

Chair: Thu Gia Pham, University of Moncton, Canada

Room A+B+C

09:00 - 09:45

Welcome Addresses:

Bui Duy Cam, Hanoi University of Science, Hanoi

Ngô Viet Trung, Institute of Mathematics, VAST, Hanoi

Nguyễn Bích Lam, General Statistics Office, Hanoi

09.45 - 10.30

How Can Statisticians Help Vietnam Prosper?

Nicholas Fisher, University of Sydney, Australia

10:30 - 11:00 Coffee Break

Invited Session 1A: Statistics and the Living Standards of the People

Sponsor: GSO Hanoi; Organiser/Chair: Dominique Haughton, Bentley University and Toulouse School of Economics & Phong Nguyen, General Statistics Office, Hanoi

Room A

11:00 - 12:30

Multilevel Models and Small Area Estimation in the Context of Vietnam Living Standards Surveys

Phong Nguyen, General Statistics Office, Dominique Haughton, Bentley University and Toulouse School of Economics & John Boland and Irene Hudson, University of South Australia

Health Equity in Viet Nam: A Situational Analysis Focused on Maternal and Child Mortality

Sarah Bales, James Knowles, Le Quang Cuong, Tran Thi Mai Oanh & Duong Huy Luong, Ministry of Health, Hanoi

Vietnam Household Living Standards Surveys: Methodology and Implementation

Lo Thi Duc, General Statistics Office, Hanoi

Poverty Mapping for Ho Chi Minh City

Le Thi Thanh Loan, Ho Chi Minh City Statistics Office, Nguyen van Phuc, Open University in Ho Chi Minh City & Nguyen Viet Cuong, National Economics University

Contributed Session 1B: Financial Statistics 1

Chair: *Tran Hung Thao, Institute of Mathematics, VAST, Hanoi*

Room B

11:00 - 11:15	Stochastic Volatility Models and the Relationship Between Persistent And Erratic Volatility Factors and Trading Activity <i>Duy Tien Tran, University of Western Australia, Australia</i>
11:15 - 11:30	Option Pricing with Regime-switching by Trinomial Tree Method <i>F. L. Yuen & H. Yang, The University of Hong Kong, Hong Kong</i>
11:30 - 11:45	An Analysis of Stock Exchange Data with Emphasis on Prediction for Future Crash <i>Nidhin Keloth & C. Chandran, University of Calicut, India</i>
11:45 - 12:00	Statistical and ANN Model for Forecasting KLSE-CI <i>Zuhaimy Ismail, Universiti Teknologi Malaysia, Malaysia</i>
12:00 - 12:15	Ruin Probability for Hypoexponential Risk Processes <i>Wei Yeing Pan, M. H. Lim & A. H. Pooi, University of Malaya, Malaya</i>

Contributed Session 1C: Applying Statistical Methods to Promote Data Usages

Chair: *Jaw-Sin Su, Chinese Culture University, Taiwan*

Room C

11:00 - 11:15	Classical Game and Fuzzy Game in Design and Its Application <i>Pei-Ling Wu, Chienkuo Technology University, Taiwan & San-Jean Ho Lion Fellowship Monthly Magazine, Taiwan</i>
11:15 - 11:30	Confidence Interval Statements Construction and Its Application <i>Shiou-Chih Wang, National Taipei University, Taiwan & Mang-Ling Lo, Chinese Culture University, Taiwan</i>
11:30 - 11:45	The Keyless Technique of Text Data Mining and It Application <i>Hengsheng Chen, Chinese Culture University, Taiwan & Juei-Yang Su, JanSin Business Management Consultants Corp., Taiwan</i>
11:45 - 12:00	The Reliability Matrix of Input-Output Table in Design and Its Application <i>Kevin Cheng, Shin Kong Life Insurance, Taiwan & Jaw-Sin Su, Chinese Culture University, Taiwan</i>
12:00 - 12:15	Towards a Unified Methodology for Statistical Data Processing <i>Péter Tóth, FAIR Information Systems Ltd., Hungary</i>
12:15 - 12:30	A Proof for the Maximal Rank of 2-Slices of Tensors by Simple Induction and Symmetrization <i>Toshio Sakata, Toshio Sumi, Kyushu University, Japan & Mitsuhiro Miyazaki, Kyoto University of Education, Japan</i>

12:30 - 14:00

Lunch Break

Invited Session 2A: Designs for Computer Experiments (DOE1)

Sponsor: ISBIS; Organiser: *David Steinberg, Tel Aviv University, Tel Aviv*

Chair: *Dennis K. J. Lin, Penn State University, USA*

Room A

14:00 - 15:30	Nested Space-Filling Designs for Computer Experiments with Two Levels of Accuracy <i>Boxin Tang, Simon Fraser University, Canada</i>
	A Construction Method for Orthogonal Latin Hypercube Designs with Prime Power Levels

	<i>Fang Pang, Min-Qian Liu, Nankai University, China & Dennis K. J. Lin, Penn State University, USA</i>
	Latin Square-based Orthogonal Latin Hypercubes <i>Nam-Ky Nguyen, Hanoi University of Science, Hanoi</i>

Contributed Session 2B: Financial Statistics 2

Chair: Paresh Kumar Narayan, Deakin University, Australia		Room B
14:00 - 14:15	Modeling Complex Seasonality <i>Paul J. Fields & Phillip Witt, Brigham Young University, USA</i>	
14:15 - 14:30	Masking of Volatility by Seasonal Adjustment <i>Abdul Aziz Muhammad Hayat & Maxwell L King, Deakin University, Australia</i>	
14:30 - 14:45	Estimation of Coefficients in Autoregressive Models of the Financial Time Series by Bootstrap <i>Bohdan Linda & Jana Kubanová, University of Pardubice, Czech Republic</i>	
14:45 - 15:00	Optimal Portfolio with Options in a Framework of Mean-CVaR <i>Thierry Bonnaz, Azek & Binh Dao, Hanoi University, Hanoi</i>	
15:00 - 15:15	GARCH-Mixture of Stable Models for Financial Data Analysis <i>Ercan E. Kuruoglu, ISTI-CNR, Italy Lea Petrella, Diego Buoncristiani, & University of Rome, Italy</i>	

Contributed Session 2C: Classification Techniques

Chair: Ha Nguyen, Pfizer Inc., USA		Room C
14:00 - 14:15	Maximum Function in Statistical Classification & Discriminant <i>Vo Van Tai, Can Tho University, Thu Gia Pham, Moncton University, Canada & To Anh Dung, University of Sciences, HCM City</i>	
14:15 - 14:30	Clust_MCFA: A Model-Based Clustering and Classification Tool for High-Dimensional Data <i>Yunkyoung Jeong, Jangsun Baek, Chonnam National University, South Korea & Geoffrey J. McLachlan, University of Queensland, Australia</i>	
14:30 - 14:45	A Study of Different Algorithms Based on k-means <i>Parvesh Kumar & Siri Krishan Wasan, Jamia Milia Islamia, Delhi, India</i>	
14:45 - 15:00	A Credit Classification Method Based on Generalized Additive Models Using Factor Scores of Mixtures of Factor Analyzers <i>Suyeol Lim, Youngsun Jo & Jangsun Baek, Chonnam National University, South Korea</i>	
15:00 - 15:15	A Gini Criterion Split in a Modified Classification Tree <i>Regimar Rasid & Chita P. Evardone, MSU-Iligan Institute of Technology, Philippines</i>	

15:30 - 16:00 Coffee Break

Invited Session 3A: Advanced Statistics Methods 1

Organiser: SPC; Chair: Paul Switzer, Stanford University, USA		Room A
16:00 - 17:30	Analyzing Longitudinal Clinical Data With Dropouts: Role of Sensitivity Analysis <i>Sati Mazumdar, Gong Tang, Fang Zhu, Patricia Houck, University of Pittsburgh, USA</i>	

	Modifications on Rescaling Bootstrap and Sitter's Mirror Match Bootstrap in Case of Rare and Illusive Population <i>Sanghamitra Pal, Indian Statistical Institute, India</i>
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Contributed Session 3B: Modern Statistical Methods

Chair: <i>Thu Gia Pham, University of Moncton, Canada</i>		Room B
16:00 - 16:15	A Modified Quadratic-Based Confidence Interval Estimator for the Binomial Parameter P <i>Junge B. Guillena & Chita P. Evardone, MSU-Iligan Institute of Technology, Philippines</i>	
16:15 - 16:30	Comparison of the Estimates of Correlation Coefficient by Bootstrap and Classical Methods <i>Jana Kubanová & Bohdan Linda, University of Pardubice, Czech Republic</i>	
16:30 - 16:45	B-spline and Kernel Procedures in Estimating Regression Functions and Their Derivatives <i>Xiaoling Dou, The Institute of Statistical Mathematics, Japan & Shingo Shirahata, Osaka University, Japan</i>	
16:45 - 17:00	Developing a Key Index and Determining Sample Size For Measuring Service Performance <i>Jeh-Nan Pan, Tzu-Chun Kuo & Abraham Bretholt, National Cheng-Kung University, Taiwan</i>	
17:00 - 17:15	Handling of Multicollinearity & Missing values in Partial Least Squares based Satisfaction Studies <i>Jacob Eskildsen, Kai Kristensen & Rikke Nielsen, University of Aarhus, Denmark</i>	
17:15 - 17:30	Order Effects in Satisfaction Studies <i>Kai Kristensen, Jacob Eskildsen & Rikke Nielsen, University of Aarhus, Denmark</i>	

Invited Session 3C: Designs of Experiments and Related Computation (DOE2)

Sponsor: IASC-ARS; Organiser/Chair: <i>Sung H. Park, Seoul National University, South Korea</i>		Room C
16:00 - 17:30	An Applied Study of Design of Experiments in Parameter Optimization Design <i>Zhen He, Tianjin University, China & Ya-juan Han, Sung H. Park, Seoul National University, South Korea</i>	
	DOE in Recent Technology Development by Computer Simulation <i>Shu Yamada, Tsukub University, Japan & Hiroki Hashiguchi, Saitama University, Japan</i>	
	Extended Central Composite Designs and Related Computation for Second Order <i>Sung H. Park, Seoul National University, South Korea & Zhen He, Tianjin University, China</i>	

Tuesday December 2, 2008

Keynote Sessions II

Chair: <i>Nicholas Fisher, University of Sydney, Australia</i>		Room A+B+C
09:00 - 09:45	The Sample Size Determination Problem : Frequentist Vs Bayesian <i>Thu Gia Pham, University of Moncton, Canada</i>	
09.45 - 10.30	Recent Developments in Degradation Modeling and Applications to Reliability Inference <i>Vijay Nair, University of Michigan, USA</i>	

10:30 - 11:00 Coffee Break

Invited Session 4A: Financial Statistics 1

Organiser: SPC; Chair: <i>Philip J Boland, University College Dublin, Ireland</i>		Room A
11:00 - 12:30	Some Attempts to the Real-Time Estimation of the Volatility <i>Shigeyoshi Ogawa, Ritsumeikan University, Japan</i>	
	Testing the Consumption Based CAPM: Evidence from a New Approach <i>Paresh Kumar Narayan, Deakin University, Melbourne, Australia & Stephan Poppy, University of Duisburg-Essen, Germany</i>	
	A Fractional Analysis for Modeling Default Risk <i>Tran Hung Thao, Nguyen Tien Dung, Intarasit Arthit, Institute of Mathematics, VAST, Hanoi & SUT, Thailand</i>	

Contributed Session 4B: Statistical Distributions

Chair: <i>Thu Gia Pham, University of Moncton, Canada</i>		Room B
11:00 - 11:15	Approximation of Multivariate Distribution Functions: Comparing Edgeworth Expansion with Approximation by Means of Copulas <i>Margus Pihlak & Velko Adermann, Tallinn University of Technology, Estonia</i>	
11:15 - 11:30	Distributions of Determinants of Some Random Matrices in Multivariate Statistical Analysis <i>Thu Gia Pham, University of Moncton, Canada</i>	
11:30 - 11:45	A New Asymmetric Laplace Process <i>A.P. Kuttykrishnan, Sir Syed College, Kannur University, Kerala, India</i>	
11:45 - 12:00	Cramer Property of Multivariate Rayleigh Distributions and Some Related Statistical Problems <i>Nguyen Thu Van, International University, HCM City</i>	

Contributed Session 4C: DOE, Quality Control and 6 Sigma

Chair: <i>Man V. M. Nguyen, Ho Chi Minh City, University of Technology</i>		Room C
11:00 - 11:15	A Measure of Robust Slope-Rotatability for Second Order Response Surface Experimental Designs <i>Rabindra Nath Das, Burdwan University, India & Sung Hyun Park, Seoul National University, South Korea</i>	
11:15 - 11:30	Automated Control Charts for Administrative Data with Non-Normal Probability Distributions <i>Angela Higginson & Michele Haynes, The University of Queensland Social Research Centre, Australia</i>	

11:30 - 11:45	Assessment and Evaluation of a Six Sigma Program <i>Peter Martin, University of Ballarat, Australia</i>
11:45 - 12:00	Effects of Heterogeneous Variance on Chart Assuming Known Parameter: A Study from HDD Arm Manufacturing Process in Thailand <i>Wichai Chattinnawat, Chiang Mai University, Thailand</i>
12:00 - 12:15	Case Studies of Statistical Application in Production <i>Siti Aishah Sh Abdullah, University Technology MARA, Malaya</i>
12:15 - 12:30	Optimal Cut Point Determination <i>The Nguyen, National Economics University, Hanoi & Ben Torsney, University of Glasgow, UK</i>

12:30 - 14:00 Lunch Break

Invited Session 5A: Statistics and the Environments

Organiser: SPC; Chair: Indrani Basak, Penn State Altoona, USA		Room A
14:00 - 15:30	Air Pollution Mortality – Modeling Individual Exposure and Frailty <i>Paul Switzer, Stanford University, USA</i>	
	Quantifying the Role of an Industrial Activity on the Environment: – The New Canadian Survey of Industrial Processes <i>Soheil Rastan, Concordia University, Canada</i>	

Contributed Session 5B: Non-parametric Statistics

Chair: Heung Wong, The Hong Kong Polytechnic University, Hong Kong		Room B
14:00 - 14:15	Confidence Intervals based on Rank Statistics in Simple Linear Models <i>Ng Kok Haur & Lim Mang Hian & Pooi Ah Hin, Institute of Mathematical Sciences, University of Malaya, Malaya</i>	
14:15 - 14:30	Nonparametric Hypothesis Testing For Stationary Ergodic Processes <i>Daniil Ryabko, INRIA, France</i>	
14:30 - 14:45	Analysis of the Annual Inflation Rates in the Philippines Using Quantile Regression , <i>Carolina B. Baguio, MSU-IIT, Iligan, Philippines & Abdellah Salhi University of Essex, UK</i>	
14:45 - 15:00	Nonparametric test for comparing hazard functions under the additive hazards assumption <i>Hyo-II Park, Chong-ju University, South Korea & Seung-Man Hong, Korea University, South Korea</i>	
15:00 - 15:15	A New Method for Estimating Integrated Volatility in the presence of jumps <i>Jinfang Tian & Bo Zhang, Renmin University of China, China</i>	

Invited Session 5C: Algebraic Statistics in Designs of Experiments (DOE3)

Organiser/Chair: Maria Piera Rogantin, Università di Genova, Italy		Room C
14:00 - 15:30	Constructions of Strength t-Orthogonal Arrays: A Few Developments <i>Man V. M. Nguyen, University of Technology, HCM City</i>	
	Indicator Functions and Sudoku Designs <i>Roberto Fontana, Politecnico di Torino DIMAT, Italy & Maria Piera Rogantin, Università di Genova</i>	

	Polynomial Algebra in Kriging on a Regular Grid <i>Giovanni Pistone, Politecnico di Torino DIMAT, Italy</i>
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15:30 - 16:00 Coffee Break


Invited Session 6A: Advanced Statistics Methods 2

Organiser: SPC; Chair: Sati Mazumdar, University of Pittsburgh, USA		Room A
16:00 - 17:30	Bayesian Joint Modeling of Incomplete Longitudinal Data <i>Sanjib Basu, Northern Illinois University, USA</i>	
	Methods for Analyzing Recurrent Event Data under Competing Risks <i>Anupap Somboonsavatdee, Chulalongkorn University, Thailand</i>	

Contributed Session 6B: Estimation & Prediction Methods

Chair: Prasanta Basak, Penn State Altoona, USA		Room B
16:00 - 16:15	Estimations for Three-parameter Inverse Gaussian Distribution Parameters Under Progressively Censoring <i>Prasanta Basak, Penn State Altoona, USA & N. Balakrishnan McMaster University, Canada</i>	
16:15 - 16:30	On Least Absolute Value Estimators for Poisson Processes <i>Christian Farinnetto, Université du Maine, France</i>	
16:30 - 16:45	State Space Modelling and Variance Estimation under Benchmarking <i>Leonardo Trujillo, Universidad Nacional de Colombia, Colombia, Chris Skinner University of Southampton, UK & Danny Pfeffermann, Hebrew University, Israel</i>	
16:45 - 17:00	Predictors of Times to Failure of Censored Items in Progressively Censored Samples from Normal Distribution <i>Indrani Basak, Penn State Altoona, USA & N. Balakrishnan McMaster University, Canada</i>	
17:00 - 17:15	Missing Covariates in Multiple Linear Regression <i>G. P. Nthoiwa, Botswana College of Agriculture, Botswana</i>	
17:15 - 17:30	Improved Correlation Estimation Using OHLC Prices <i>Ralph Friedman, Saarland University, Germany</i>	

Invited Session 6C: Recent Advances in Designs of Experiments 1 (DOE4)

Organiser: SPC; Chair: John J. Borkowski, Montana State University, USA		Room C
16:00 - 17:30	Analysis of Data from Nonorthogonal Multi-Stratum Designs <i>Steven Gilmour & Peter Goos, Queen Mary, UK</i>	
	Componentwise Variance Dispersion Graphs for Mixture Experiments <i>John J. Borkowski, Montana State University, USA, Boonorm Chomtee & Kamnolchanok Panishkan, Kasetsart University, Thailand</i>	
	A Model Selection Algorithm for Computer Experiments <i>Park Jeong-Soo, Chonnam National University, South Korea</i>	
19:00 - 21:30	CAPS 2008 Conference Dinner at Sen Ha Thanh Restaurant	

Wednesday December 3, 2008

Invited Session 7A: Financial Statistics 2	
Organiser: SPC; Chair: <i>Shigeyoshi Ogawa, Ritsumeikan University, Japan</i>	
Room A	
09:00 - 10:30	Pricing Credit Portfolio Using Credit Risk Models <i>Budhi A. Surya, Quantitative Risk Management, Bank of America, N.A</i>
	Statistical and Probabilistic Methods for the General Insurance Actuary <i>Phillip J Boland, University College Dublin, Ireland</i>
	Measuring the Effects of Trust and Satisfaction on Customer Loyalty via Structural Equation Modeling <i>Bee Wah Yap & Wan Nushazellin Wan Shahidan, Universiti Teknologi Mara, Malaya</i>

Contributed Session 7B: Modern Data Analysis	
Chair: <i>Sati Mazumdar, University of Pittsburgh, USA</i>	
Room B	
09:00 - 09:15	Fuzzy Error Terms of Heckman Sample Selection Model <i>A. Yusrina & Muhamad Safiih Lola, Universiti Malaysia Terengganu, Malaysia</i>
09:15 - 09:30	Confidence Interval Statements Construction and Its Application <i>Shiou-Chih Wang, National Taipei University, Taiwan</i>
09:30 - 09:45	The Keyless Technique of Text Data Mining and It Application <i>Hengsheng Chen, Chinese Culture University, Taiwan</i>
09:45 - 10:00	An Application of Hierarchical Bayesian Method in Selecting Hazardous Accident Locations <i>Noorizam Daud, Malaysian Ministry of Works</i>

Invited Session 7C: Recent Advances in Designs of Experiments 2 (DOE5)	
Organiser: SPC; Chair: <i>Min-Qian Liu, Nankai University, China</i>	
Room C	
09:00 - 10:30	A Theory of General Minimum Lower-Order Confounding for Regular Factorial Designs <i>Runchu Zhang, Nankai University & Northeast Normal University</i>
	Constructing Supersaturated Designs by Computational Approach <i>Hiroki Hashiguchi & Kenta Toyama, Saitama University, Japan & Shu Yamada, Tsukuba University, Japan</i>
	Necessary Conditions for the Existence of Hadamard Matrices with Circulant Core <i>Ilias Kotsireas & Christos Koukouvinos, Wilfrid Laurier University, NTUA, Canada</i>

10:30 - 11:00 Coffee Break

Invited Session 8A: Hydrological Statistics	
Sponsor: TIES; Organiser/Chair: <i>Quanxi Shao, CSIRO Mathematical and Information Sciences, Australia</i>	
Room A	
11:00 - 12:30	Change-Point Analysis of Hydrological Time Series by Grey Relational Method <i>Wai Cheung Ip, Heung Wong, B. Q. Hu & J Xia, The Hong Kong Polytechnic University, Hong Kong</i>

	Statistical Modelling for Hydrological Extremes <i>Quanxi Shao, CSIRO Mathematical and Information Sciences, Australia</i>
	Non-parametric Time Series Models for Forecasting <i>Heung Wong, The Hong Kong Polytechnic University, Hong Kong</i>
	Prediction of Flow-duration Curves by Using the Hydrological Similarity Index Model <i>Ming Li & Quanxi Shao, CSIRO Mathematical and Information Sciences, Australia</i>

Contributed Session 8B: Statistics in Real-life

Chair: Steven Gilmour, Queen Mary University of London, UK		Room B
11:00 - 11:15	Carbon Based Material Processing Method using Statistical Application Technique <i>Nabihah Hashim, Telekom Malaysia Research & Development Sendirian Berhad, Malaysia</i>	
11:15 - 11:30	Improvement of Mathematical Modelling of L. Monocytogenes Grown Under Different Temperatures and Different Acids Concentration in Broth System <i>Yuniza Md Yusof, Muhamad Saflih Lola & Mohd Nizam Lani, University of Malaysia Terengganu, Malaysia</i>	
11:30 - 11:45	A Blended Learning Approach in Learning Pre-Algebra in a Polytechnic Malaysia <i>Sazali Khalid and Maizam Alias, University Tun Hussein Onn, Malaysia</i>	
11:45 - 12:00	The Model of Integrated Work Potential and the Work Competence as a Predictor for Meaningful Performance using Path Analysis with Modetating Vairables <i>Ratna Jatnika & Fitri Ariyanti, University of Padjadjaran, Bandung, Indonesia</i>	
12:00 - 12:15	Statistical Analysis of Series of Railway Accidents <i>Gilles Dupin, RATP, Fontenay sous Bois, France</i>	
12:15 - 12:30	Nonlinearities and Chaos in Human Eye Movements during Reading <i>Tarik Hadzibeganovic, University of Graz, Austria, Matjaz Perc, University of Maribor, Slovenia, Maurits van den Noort, University of Bergen, Norway & Peggy Bosch, Nijmegen Institute for Cognition and Information, The Netherlands</i>	

Invited Session 8C: Biopharmaceutical Statistics

Organiser: SPC; Chair: Ha Nguyen, Pfizer Inc., USA		Room C
11:00 - 12:30	Current Biostatistics Development in China <i>Sherry Zhao & Frank Shen, Roche Pharmaceutical, China</i>	
	Active Region Finder: A Data Mining Approach to Identify Subsets of Patients with High or Low Response <i>Jose Alvir, Javier Cabrera, Frank Caridi & Ha Nguyen, Pfizer Inc. & Rutgers University, USA</i>	

12:30 - 14:00 **Lunch Break**

Invited Session 9A: Applications of Discrete Choice Modelling in Business and Related Topics

Organiser: <i>Partha Lahiri, University of Maryland, USA; Chair: Dominique Haughton, Bentley University & Toulouse School of Economics</i>		Room A
14:00 - 15:30	Discrete Choice Models on the Demand Forecasting for Pre-Launch Products/Services <i>Jongsu Lee, Gicheol Jeong, & Youngsang Cho, Seoul National University, South Korea</i>	
	Flexible Forms of Discrete Choice Models: A Non-Parametric Mixed Logit Formulation with Applications to Transportation and Finance <i>Cinzia Crillo, University of Maryland, USA</i>	
	An Analysis of Port Use Propensity in Western Japan - With A Focus on the Port of Kobe <i>Hidekazu Ito, Kwansai Gakuin University, Japan</i>	

Contributed Session 9B: Mathematical Statistics

Chair: <i>Tran Hung Thao, Institute of Mathematics, VAST, Hanoi</i>		Room B
14:00 - 14:15	Means Convergence Theorems and Weak Laws of Large Numbers for Double Arrays of Random Elements in Banach Spaces <i>Le Van Dung, & Nguyen Duy Tien, Vietnam National University, Hanoi</i>	
14:15 - 14:30	The Bounded Law of The Iterated Logarithm for Sequences of Blockwise Independent Random Variables <i>Le Van Thanh & Nguyen Duy Tien, Vietnam National University, Hanoi</i>	
14:30 - 14:45	Some Strong Laws of Large Number for Double Arrays of Random Variables <i>Nguyen Van Quang & Le Van Thanh, Vinh University, Vinh City</i>	
14:45 - 15:00	Estimation of the Diffusion Coefficient in the Gompertzian Stochastic Model in the Presence of Nuisance Parameters <i>T.M. Durairajan, Loyola College, Chennai, India & L. Ramprasath Institute for financial Management and Research, Chennai, India</i>	

15:30 - 16:00 **Coffee Break**

Poster Session

14:00 - 16:00	A Credit Classification Method Based on Generalized Additive Models Using Factor Scores of Mixtures of Factor Analyzers <i>Suyeol Lim, Youngsun Jo & Jangsun Baek, Chonnam National University, South Korea</i>
	Towards Skewness Parameter Estimation of Stable Distributions <i>Mahdi Teimouri, Islamic Azad University-Aliabad, Iran</i>
	L and LH Moments for Statistical Analysis of Extreme Events in Generalized Gumbel Distribution <i>Md. Sharwar Murshed, Jeong Bo-yoon & Jeong Soo Park, Chonnam National University, South Korea.</i>
	Functional Data Analysis about Korean Music Broadcast data. <i>Sang Hoo Yoon, Chonnam National University, South Korea</i>
	Geographically Weighted Regression Hybrid Model: Robust Approach <i>Nor Hasliza Asngari & Muhamad Safiih Lola, Universiti Malaya Terengganu, Malaya</i>

Keynote Session III & Closing Session**Chair: Nam-Ky Nguyen, Hanoi University of Science, Hanoi****Room A+B+C****16:00 - 16:45****Process Mining and RFID***Dennis K. J. Lin, Penn State University, USA***16:45 - 17:00****Closing Remarks***Nam-Ky Nguyen, Hanoi University of Science, Hanoi*