## PARALLEL SESSION 1
### 3 December 2013
### 11:30-12:50

| Time | Parallel Session 1A<br>Room: Wind Suite 2<br><br>Chairperson :<br>*Ms. Fauziah Maarof* | Parallel Session 1B<br>Room: Lady Suite<br><br>Chairperson :<br>*Assoc. Prof. Dr. Mahendran Shitan* | Parallel Session 1C<br>Room: Deer Suite<br><br>Chairperson :<br>*Assoc. Prof. Dr. Hsin-Vonn Seow* |
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| 11:30 to 11:50 | **COMPARING THE TYPE I ERROR AND POWER OF ONE POPULATION VARIANCE TEST BETWEEN A STANDARD AND AN ASYMPTOTIC CHI-SQUARE DISTRIBUTION OF 2 LOG LIKELIHOOD RATIO TEST STATISTIC**<br><br>*Jularat Chumnaul* | **A SHORT REVIEW ON ALGEBRAIC STATISTICS**<br><br>*Isamiddin S. Rakhimov* | **PRODUCTION HEURISTICS COMPARISON USING DATA ENVELOPMENT ANALYSIS**<br><br>*Maryam Heydar*<br>*Mohd Rizam Abu Bakar*<br>*Wah-June Leong* |
| 11:50 to 12:10 | **MODEL AVERAGING THROUGH PENALISED LEAST SQUARES IN LINEAR REGRESSION**<br><br>*Antti Liski*<br>*Erkki P. Liski* | **LEVY PROCESSES IN GOLD OPTION MODELLING**<br><br>*Sandya Nilmini Kumari*<br>*Abby Tan* | **PRECONDITIONING ON SUBSPACE QUASI-NEWTON METHOD FOR LARGE SCALE UNCONSTRAINED OPTIMISATION**<br><br>*Hong-Seng Sim*<br>*Wah-June Leong*<br>*Fudziah Ismail* |
| 12:10 to 12:30 | **VISION ON PARAMETRIC AND NONPARAMETRIC CONCEPT**<br><br>*Abdullatif S. Tubbal*<br>*Suha M. Al-Heddar* | **SELECTION OF OPTIMUM AOQL MULTIPLE DEFERRED STATE MDS-1($c_1$, $c_2$) FOR GIVEN AQL AND LQL**<br><br>*C. Raju*<br>*Raghottam H. Akamanchi* | **DETERMINING THE OPTIMAL OPERATOR ALLOCATION IN SME'S FOOD MANUFACTURING COMPANY USING COMPUTER SIMULATION AND DATA ENVELOPMENT ANALYSIS**<br><br>*Ruzanita Mat Rani*<br>*Wan Rosmanira Ismail*<br>*Asmahanim Ab Rahman* |
| 12:30 to 12:50 | **ON THE STANDARD NORMALITY OF STANDARDISED RUNS TEST STATISTICS FOR TESTING RANDOMNESS OF DATA**<br><br>*Fauziah Maarof*<br>*Shamsiah Mohamed* | **TEMPORAL CHANGES IN NUTRIENTS IN FRESHWATER SCOTTISH LAKE**<br><br>*Firdaus Mohamad Hamzah* | **MODIFIED TAROT FOR CROSS-SELLING PERSONAL FINANCIAL PRODUCTS**<br><br>*Ya-Mei Tee*<br>*Lai-Soon Lee*<br>*Chew-Ging Lee*<br>*Hsin-Vonn Seow* |

## PARALLEL SESSION 2
## 3 December 2013
## 14:20-16:40

| Time | Parallel Session 2A<br>Room: Wind Suite 2<br><br>Chairperson :<br>*Dr. Mohd Bakri Adam* | Parallel Session 2B<br>Room: Lady Suite<br><br>Chairperson :<br>*Prof. Dr. Abu Hassan Shaari Md Nor* | Parallel Session 2C<br>Room: Deer Suite<br><br>Chairperson :<br>*Dr. San-Nah Sze* |
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| 14:20 to 14:40 | **PARTIALLY BALANCED INCOMPLETE BLOCK DESIGN ARISING FROM MINIMAL TOTAL DOMINATING SETS OF A GRAPH**<br><br>*Shailaja Shirkol*<br>*Manjula Gudgeri*<br>*H. G. Shekhreppa* | **MODELLING ROAD ACCIDENTS: AN APPROACH USING STRUCTURAL TIME SERIES**<br><br>*Noor Wahida Md Junus*<br>*Mohd Tahir Ismail* | **COOLING SCHEDULE FOR MULTI-OBJECTIVE SIMULATED ANNEALING ALGORITHM**<br><br>*Ahmad Abubaker*<br>*Adam Baharum*<br>*Mahmoud Alrefaei* |
| 14:40 to 15:00 | **WEIGHTED WEIBULL DISTRIBUTION: PROPERTIES AND ESTIMATION**<br><br>*Sanku Dey*<br>*Tanujit Dey*<br>*M. Z. Anis* | **FINITE MIXTURE MODEL: A MAXIMUM LIKELIHOOD ESTIMATION APPROACH ON TIME SERIES DATA**<br><br>*Seuk-Yen Phoong*<br>*Mohd Tahir Ismail* | **HEURISTIC ALGORITHMS FOR ON-LINE SCHEDULING AND ARBITRARY RELEASE DATE IN IDENTICAL PARALLEL PROCESSING TIME**<br><br>*Syarifah Zyurina Nordin*<br>*Lou Caccetta* |
| 15:00 to 15:20 | **BAYESIAN ANALYSIS OF WEIBULL MODEL BY USING SLICE SAMPLING ALGORITHM**<br><br>*Mohammad Rostami*<br>*Mohd Bakri Adam*<br>*Noor Akma Ibrahim*<br>*Hisham Yahya* | **A HYBRID SOM-LSSVM FOR STREAMFLOW FORECASTING IN KEDAH, MALAYSIA**<br><br>*Shuhaida Ismail*<br>*Ani Shabri* | **SCHEDULING BUS SERVICE IN UNIVERSITI TEKNOLOGI MARA (UiTM) SHAH ALAM**<br><br>*Mawardi Omar*<br>*Wan Rosmanira Ismail*<br>*Ahmed Oughalime* |
| 15:20 to 15:40 | **PERFORMANCE OF BAYESIAN OUTLIER DIAGNOSTIC IN TESTING MEAN VECTOR**<br><br>*Rofizah Mohammad* | **FORECASTING OF PALM OIL PRICE IN MALAYSIA USING LINEAR AND NONLINEAR METHODS**<br><br>*Abu Hassan Shaari Md Nor*<br>*Tamat Sarmidi*<br>*Ehsan Hosseinidoust* | **FREIGHT TRAIN SCHEDULING ON A SINGLE LINE NETWORK**<br><br>*Siti Amirah Abd Rahman* |

## PARALLEL SESSION 2 (CONT'D)
## 3 December 2013
## 14:20-16:40

| Time | Parallel Session 2A (cont'd) Room: Wind Suite 2 Chairperson : *Dr. Mohd Bakri Adam* | Parallel Session 2B (cont'd) Room: Lady Suite Chairperson : *Prof. Dr. Abu Hassan Shaari Md Nor* | Parallel Session 2C (cont'd) Room: Deer Suite Chairperson : *Dr. San-Nah Sze* |
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| 15:40 to 16:00 | **MODELLING THE CORRELATION BETWEEN BINARY LONGITUDINAL DATA** *Suraiya Kassim* *Aziz Jemain* | **RECURSIVE ESTIMATION OF THE MS-GARCH MODELS WITH MARKOV REGIME** *Ahmed Ghezal* | **DEVELOPMENT OF INTEGRATED CONTINUOUS BERTH ALLOCATION PROBLEM AND QUAY CRANE SCHEDULING WITH NON-CROSSING CONSTRAINT** *Azyanzuhaila Hasan Basri* *Zaitul Marlizawati Zainuddin* |
| 16:00 to 16:20 | **STOCHASTIC LOGISTIC MODEL OF FISH GROWTH** *M.A. Shah* | **MODEL PERFORMANCE AMONG LINEAR AND MARKOV SWITCHING VECTOR AUTOREGRESSIVE MODEL ON TIME SERIES DATA** *Seuk Wai Phoong* *Mohd Tahir Ismail* | **PARALLEL SESSION TIMETABLING USING PREFERENCE-BASED CONFERENCE SCHEDULING** *Mohamed Faris Laham* *Wan Rosmanira Ismail* |
| 16:20 to 16:40 | **THE APPLICATION OF LINEAR AND LOGISTIC REGRESSIONS IN PREDICTING THE STUDENTS' SUCCESS IN A PRIVATE FOUNDATION CENTRE** *Noor Azizah Suliman* *Basir Abidin* *Norhafizah Abdul Manan* *Ahmad Mahir Razali* | **APPLICATION OF ARTIFICIAL NEURAL NETWORKS TO PREDICT SOLID WASTE GENERATION** *Mohammad K. Younes* *Zulkifli Mohd Nopiah* *Noor Ezlin A. Basri* *Hassan Basri* *Mohammed F.M. Abu Shammala* | **CUTTING PLAN FOR ONE DIMENSIONAL AND TWO DIMENSIONAL PROBLEMS BY USING HYBRID METHOD** *Marcella Tassia Davis* *San-Nah Sze* *Wei-King Tiong* |

## PARALLEL SESSION 3
## 4 December 2013
## 08:30-10:10

| Time | Parallel Session 3A Room: Sarawak Chamber 1 Chairperson : *Prof. Dr. Anton Abdulbasah Kamil* | Parallel Session 3B Room: Lady Suite Chairperson : *Prof. Dr. Noor Akma Ibrahim* | Parallel Session 3C Room: Deer Suite Chairperson : *Assoc. Prof. Dr. Zulkifli Mohd Nopiah* |
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| 08:30 to 08:50 | **CROSS-SECTIONAL TEST OF THE FAMA-FRENCH THREE-FACTOR MODEL: EVIDENCE FROM BANGLADESH STOCK MARKET** *Md. Zobaer Hasan Anton Abdulbasah Kamil* | **COMPARATIVE ANALYSIS OF RELIABILITY CHARACTERISTICS OF TWO DISSIMILAR SYSTEMS** *U. A. Ali Suleiman K B. I. Babura Habiba Auwal* | **UNDERSTANDING OF EMPTY CONTAINER MOVEMENT: A STUDY OF BOTTLENECK AT OFF-DOCK DEPOT** *Rosmaizura Mohd Zain Mohd Nizam Ab Rahman Zulkifli Mohd Nopiah Nizaroyani Saibani* |
| 08:50 to 09:10 | **THE IMPACT AND EFFECTIVENESS OF PREVENTIVE MAINTENANCE MODELS ON THE FAILURES OF THE HIGH POWER DISTRIBUTION STATIONS** *F.M. Alwan Adam Baharum Saad Talib Hasson* | **DETERMINANTS OF MARITAL DISSOLUTION: A SURVIVAL ANALYSIS APPROACH** *Sanizah Ahmad Hasfariza Farizad Mohd Rizam Abu Bakar Nur Niswah Naslina Azid @ Maarof* | **QUEUE ANALYSIS AT DAMANSARA TOLL PLAZA (INBOUND): A STUDY OF THE EFFECT ON TOLL PLAZA WITH DIFFERENT ARRIVAL PATTERNS** *Khairani Abd. Majid Abdul Aziz Jemain* |
| 09:10 to 09:30 | **ANALYSING THE EMPLOYMENT PRODUCTIVITY OF SERVICE SECTOR IN MALAYSIA USING INPUT-OUTPUT APPROACH** *Mohd Sahar Sauian* | **A COVERAGE PROBABILITY STUDY ON THE LOG-NORMAL DISTRIBUTION IN THE PRESENCE OF LEFT TRUNCATED AND RIGHT-CENSORED SURVIVAL DATA** *Thirunanthini Manoharan Jayanthi Arasan Habshah Midi Mohd Bakri Adam* | **A STUDY OF EFFICIENCY ON LOGISTIC SYSTEM FOR SMALL PORTS DEVELOPMENT IN EAST REGION OF MALAYSIA USING TRANSPORTATION MODEL** *Shaiful Bakri Ismail Noor Amalina Nisa Ariffin* |
| 09:30 to 09:50 | **ANALYSIS BY PANEL DATA METHOD ESTIMATION OF CAR FLEET MODELS** *Rachid Toumache Khaled Rouaski Badreddine Talbi* | **COMPARISON BETWEEN TESTS FOR DETECTING OUTLIERS IN REGRESSION ANALYSIS** *Ali Husein Ageli* | **THE STUDY ON THE PERFORMANCE OF KUALA LUMPUR CITY HALL'S ONE STOP CENTRE COUNTERS** *M.A Mohd Isa A.Z Sulaiman N.I Adnan S.A Ahmad W. N.Wan Samsudin Z.M Nopiah* |
| 09:50 to 10:10 | **THE DETERMINANTS OF EXPORT DIVERSIFICATION AT ALL MARGINS : CASE STUDY OF SOUTH KOREA** *Abouellil Embareka* | **THE EFFECT OF TEMPORAL AGGREGATION ON TREND AND SEASONALITY FOR THE DUMMY VARIABLES REGRESSION MODEL** *Smadi A. A. Mousa N. F.* | **SCENARIO GENERATION FOR ASSET AND LIABILITY MANAGEMENT PROBLEM WITH UNCERTAINTY** *Siti Aida Sheikh Hussin Gautam Mitra Diana Roman* |

## PARALLEL SESSION 4
## 4 December 2013
## 11:10-12:50

| Time | Parallel Session 4A<br>Room: Sarawak Chamber 1<br><br>Chairperson :<br>*Dr. Mohd Kamal Mohd Nawawi* | Parallel Session 4B<br>Room: Lady Suite<br><br><br>Chairperson :<br>*Dr. Wan Zawiah Wan Zin* | Parallel Session 4C<br>Room: Deer Suite<br><br><br>Chairperson :<br>*Assoc. Prof. Dr. Lai-Soon Lee* |
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| 11:10 to 11:30 | **ANALYTIC NETWORK PROCESS MODEL FOR SUSTAINABLE LEAN AND GREEN MANUFACTURING PERFORMANCE INDICATOR**<br><br>*Adam Shariff Adli Aminuddin*<br>*Mohd Kamal Mohd Nawawi*<br>*Nik Mohd Zuki Nik Mohamed* | **MODEL-BASED APPROACH FOR DEVELOPING A RIVER WATER QUALITY INDEX**<br><br>*Zalina Mohd Ali*<br>*Noor Akma Ibrahim*<br>*Kerrie Mengersen*<br>*Mahendran Shitan*<br>*Hafizan Juahir* | **COST-EFECTIVENESS ANALYSIS OF THE ANTIPLATELET TREATMENT ADMINISTERED ON ISCHEMIC STROKE PATIENTS USING GOAL PROGRAMMING APPROACH**<br><br>*Rasvini Rajendran*<br>*Zaitul Marlizawati Zainuddin*<br>*Badrisyah Idris* |
| 11:30 to 11:50 | **MODIFIED COLLECTIVE VALUE-AT-RISK IN LIFE INSURANCE WHEN THE NUMBER AND AMOUNT OF CLAIMS HAS POISSON AND LOG-NORMAL DISTRIBUTIONS**<br><br>*Muhammad Iqbal Al-Banna Ismail*<br>*Mohammad Said Zainol*<br>*Sukono*<br>*Adhitya Ronnie Effendie* | **SIGNIFICANCE OF ISLAMIC SOCIAL RESPONSIBILITY (ISR) PRACTICES TOWARDS ORGANISATIONAL COMMITMENT (OC): A MARINE COMPANY, LUMUT, PERAK, MALAYSIA**<br><br>*Ismila Che Ishak*<br>*Shaiful Bakri Ismail*<br>*Fauziah Ab Rahman*<br>*Muhamad Afiq Abdul Rahman* | **SIMULATION MODELLING FRAMEWORK OF RADIATION AND NUCLEAR EMERGENCY MEDICAL RESPOND USING DISCRETE EVENT SYSTEM**<br><br>*Lau Kee Wah*<br>*Azurah A Samah*<br>*Hairudin Abdul Majid* |
| 11:50 to 12:10 | **ANALYSING PATIENT'S WAITING TIME IN EMERGENCY & TRAUMA DEPARTMENT IN PUBLIC HOSPITAL: A CASE STUDY**<br><br>*Shazwa Roslan*<br>*Herniza Md Tahir*<br>*Noraimi Azlin Mohd Nordin*<br>*Zati Aqmar Zaharudin* | **DETERMINING THE INTERACTION BETWEEN GEOSTATISTICAL AND GEOCHEMICAL ANALYSIS OF RIVERS, LAKES AND GROUNDWATER INTERACTION AT A SMALL BANK INFILTRATION SITE IN JENDERAM HILIR**<br><br>*Mohd Khairul Nizar Shamsuddin*<br>*Hafizan Juahir*<br>*Saim Suratman*<br>*Wan Nor Azmin Sulaiman* | **APPLICATION OF MCLP IMPLICIT MODEL IN OPTIMISING AMBULANCE LOCATION**<br><br>*Zati Aqmar Zaharudin*<br>*Herniza Md Tahir* |
| 12:10 to 12:30 | **PAYMENT SCENARIO IN THE MALAYSIAN CONSTRUCTION INDUSTRY: CONTRACTOR**<br><br>*Mohamed Nor Azhari Azman*<br>*Kamarul Anuar Mohamad Kamar*<br>*Zuhairi Abd. Hamid*<br>*Natasha Dzulkalnine* | **STATISTICAL ANALYSIS ON RAINFALL AND TEMPERATURE VIA FUNCTIONAL DATA ANALYSIS TECHNIQUE**<br><br>*Jamaludin Suhaila* | **A DOCTOR ROSTERING USING AN EVOLUTIONARY ALGORITHM: A CASE STUDY AT MALAYSIAN PUBLIC HOSPITAL**<br><br>*Zanariah Zainudin*<br>*Azurah A.Samah*<br>*Hairudin Abdul Majid* |
| 12:30 to 12:50 | **STATISTICAL ISSUES CONCERNING NON-INFERIORITY TRIALS**<br><br>*Nor Afzalina Azmee* | **INTEGRATING INDIVIDUAL AND AGGREGATE LEVEL DATA FOR PARAMETER ESTIMATION IN META-ANALYSIS**<br><br>*NRN Idris*<br>*Abdullah MH* | **PLANNING OF PUBLIC HEALTHCARE FACILITY USING A LOCATION ALLOCATION MODELLING**<br><br>*Sarifah Radiah Shariff*<br>*Noor Hasnah Moin*<br>*Mohd Omar* |

**PARALLEL SESSION 5**
**4 December 2013**
**15:10-16:50**

| Time | Parallel Session 5A Room: Sarawak Chamber 1 Chairperson : Dr. Md. Sohel Rana | Parallel Session 5B Room: Lady Suite Chairperson : Assoc. Prof. Dr. Rohani Tarmizi | Parallel Session 5C Room: Deer Suite Chairperson : Ms. Farhana Johar |
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| 15:10 to 15:30 | **ROBUST *MLCR* LINEAR CLASSIFICATION TECHNIQUE: AN APPLICATION TO CLASSIFY AEDE *ALBOPITUS* MOSQUITO** *Friday Zinzendoff Okwonu Abdul Rahman Othman* | **UNRAVELLING PEDAGOGICAL AND CULTURAL PERSPECTIVE ON MATHEMATICS COMPETENCE** *Rohani Ahmad Tarmizi Wan Zah Wan Ali Ahmad Fauzi Mohd Ayub* | **DECISION SUPPORT SYSTEM FOR ORDER PROMISE AND ORDER DELIVERY** *Bui-Fat Thian San-Nah Sze Kang-Leng Chiew* |
| 15:30 to 15:50 | **A TYPE I ERROR COMPARISON OF ROBUST TEST STATISTICS BASED ON MODIFIED ONE-STEP M-ESTIMATOR** *Sharipah Soaad Syed Yahaya Zahayu Md. Yusof Suhaida Abdullah* | **ASSESSING MOBILE LEARNING READINESS IN SAUDI ARABIAN HIGHER EDUCATION: AN EMPIRICAL STUDY** *Nada Mansour F Aljuaid Mohammed Ali Rajab Alzahrani A.Y.M. Atiquil Islam* | **OPTIMISATION OF VEHICLE ROUTING FOR LESS-THAN-TRUCKLOAD CARRIERS** *Sopnamayee Acharya Sandeep Tiwari* |
| 15:50 to 16:10 | **ESTIMATION OF SLOPE IN LINEAR STRUCTURAL RELATIONSHIP MODEL: A ROBUST NONPARAMETRIC APPROACH** *Abdul Ghapor Hussin* | **INFRASTRUCTURE REQUIREMENT OF KNOWLEDGE MANAGEMENT SYSTEM MODEL OF STATISTICAL LEARNING TOOL (SLT) FOR EDUCATION COMMUNITY** *Rusli Abdullah Bahaman Abu Samah Jusang Bolong Jeffrey Lawrence D'Silva Hayrol Azril Mohamed Shaffril* | **VEHICLE ROUTING PROBLEM WITH RELEASE AND DUE DATE** *Farhana Johar Chris Potts Julia Bennell* |
| 16:10 to 16:30 | **ROBUST RIGE REGRESSION ESTIMATOR IN THE PRESENCE OF MULTICOLLINEARIY AND MULTIPLE OUTLIERS** *Siti Meriam Zahari Norazan Mohamed Balkiah Moktar* | **ACTUAL CURRICULUM DEVELOPMENT PRACTICES INSTRUMENT: TESTING FOR FACTORIAL VALIDITY** *Liew Yon Foi Kamariah Abu Bakar Mohd Sahandri Gani Hamzah Nor Hayati Alwi* | **FUND ALLOCATION USING CAPACITATED VEHICLE ROUTING PROBLEM** *Nur Jumaadzan Zaleha Mamat Saiful Hafizah Jaaman Rokiah Rozita Ahmad Maslina Darus* |
| 16:30 to 16:50 | **ENHANCEMENT OF PARTIAL ROBUST M-REGRESSION (PRM) PERFORMANCE USING BISQUARE WEIGHT FUNCTION** *Mazni Mohamad Norazan Mohamed Ramli Nor Azura Md Ghani @ Mamat Sanizah Ahmad* | **ATTITUDES TOWARD MATHEMATICS: DIFFERENT ANGLE DIFFERENT LENS** *Fang Bee Ling* | **OPTIMUM SHIFT ASSIGNMENT ON MULTI-TRIP VEHICLE ROUTING AND SCHEDULING PROBLEM WITH TIME WINDOWS** *Kong-Weng Lee San-Nah Sze Keat-Keong Phang* |

## PARALLEL SESSION 6
## 5 December 2013
## 08:00-09:20

| Time | Parallel Session 6A Room: Sarawak Chamber 1 Chairperson : *Prof. Dr. Habshah Midi* | Parallel Session 6B Room: Lady Suite Chairperson : *Dr. Husna Hasan* | Parallel Session 6C Room: Deer Suite Chairperson : *Assoc. Prof. Dr. Azmi Jaafar* |
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| 08:00 to 08:20 | **VALIDATING THE MEASUREMENT MODELS OF WIRELESS INTERNET SATISFACTION: THE APPLICATION OF STRUCTURAL EQUATION MODELLING** *A.Y.M. Atiquil Islam Qian Xiuxiu Diljit Singh Zhang Quan* | **MODEL SELECTION AND VALIDATION OF EXTREME DISTRIBUTION BY GOODNESS-OF-FIT TEST BASED ON CONDITIONAL POSITION** *Nahdiya Zainal Abidin Mohd Bakri Adam* | **THE CENTRALISED RESOURCE ALLOCATION ENHANCED ADD MODEL** *Ali Mirsalehy Mohd Rizam Abu Bakar Azmi Jaafar Lai-Soon Lee* |
| 08:20 to 08:40 | **DEVELOPMENT AND VALIDATING OF THE STUDY CIRCLE (HALAKA) MEASUREMENT MODEL IN HIGHER EDUCATION APPLYING STRUCTURAL EQUATION MODELLING** *Hasina Banu Shirin A.Y.M. Atiquil Islam Mohammad Serazul Islam* | **MODELLING THE PROBABILITY DISTRIBUTION OF EXTREME SHARE RETURN IN MALAYSIA** *Wan Zawiah Wan Zin Muhammad Aslam Mohd Safari Saiful Hafizah Jaaman* | **WAREHOUSE LOCATION: A REVIEW** *Rozieana Khairuddin Zaitul Marlizawati Zainuddin* |
| 08:40 to 09:00 | **A LOOK AT THE SOCIO-ECONOMIC AND DEMOGRAPHIC FACTORS AFFECTING SCHOOL ENROLMENT IN NIGERIA** *S. O. Adeyemo A.I.O. Ofomata P.U. Uzoma* | **MODELLING AND CLUSTERING EXTREME TEMPERATURE IN MALAYSIA** *Husna Hasan Nur Hanim Mohd Salleh* | **OPERATIONAL RESEARCH AND BIG DATA** *Zuraida Abal Abas* |
| 09:00 to 09:20 | **A MATHEMATICAL MODEL FOR THE CONTROL OF CHOLERA IN NIGERIA** *Sulayman Fatima Isthrinayagy Krishnarajah Mai Zurwatul Ahlam Mohd Jaffar Mohd Bakri Adam* | **MODELLING EXTREME $PM_{10}$ CONCENTRATION USING GENERALISED EXTREME VALUE DISTRIBUTION: A CASE STUDY OF MALAYSIA** *Husna Hasan Nadiah Mansor* | **HEURISTICS AND METAHEURISTICS FOR FACILITY LAYOUT PROBLEM :CONCEPTS AND TRENDS** *Nurul Nadia Nordin Lai-Soon Lee* |

# PARALLEL SESSION 7
## 5 December 2013
## 09:40-11:20

| Time | Parallel Session 7A Room: Sarawak Chamber 1 Chairperson : *Assoc. Prof. Dr. Zainidin Eshkuvatov* | Parallel Session 7B Room: Lady Suite Chairperson : *Dr. Norhaslinda Zainal Abidin* | Parallel Session 7C Room: Deer Suite Chairperson : *Dr. Anwar Fitrianto* |
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| 09:40 to 10:00 | **AVERAGING ORTHOGONAL PROJECTORS** *Eero Liski* *Klaus Nordhausen* *Hannu Oja* *Anne Ruiz-Gazen* | **UNIVARIATE GENERALISED ADDITIVE MODEL IN SAMPLE EXTREME** *Mostafa Behzadi* *Mohd Bakri Adam* | **LANGKAWI TOUR PACKAGE MODELS USING HEURISTICS** *Aida Mauziah Benjamin* *Syariza Abdul Rahman* *Engku Muhammad Nazri Engku Abu Bakar* |
| 10:00 to 10:20 | **FOURTH ORDER 4-STAGES IMPROVED RUNGE-KUTTA METHOD WITH MINIMISED ERROR NORM** *Faranak Rabiei* *Fudziah Ismail* | **MULTIPLE-TRY METROPOLIS FOR MODELLING EXTREME AIR QUALITY DATA** *Nor Azrita Mohd Amin* *Mohd Bakri Adam* *Noor Akma Ibrahim* | **MEASURE OF COMBAT READINESS: INCORPORATING TANGIBLE WITH INTANGIBLE ELEMENTS** *Fook Wen-Kwong* |
| 10:20 to 10:40 | **RUNGE-KUTTA METHODS FOR THE NUMERICAL SOLUTIONS OF DISCRETE NONLINEAR SCHRÖ-DINGER EQUATIONS** *Zahriddin Muminov* *Fudziah Ismail* *Zainidin Eshkuvatov* | **FOOD PORTION SIZES AND ITS IMPLICATION ON OBESITY SOLUTION** *Norhaslinda Zainal Abidin* *Jafri Hj Zulkepli Hew* *Nerda Zura Zaibidi* | **USING HIERARCHICAL P-MEDIAN PROBLEM FOR PUBLIC SCHOOL ALLOCATION: A CASE STUDY** *Noryanti Nasir* *Sarifah Radiah Shariff* |
| 10:40 to 11:00 | **GENERALISED VARIATIONAL INCLUSIONS INVOLVING GENERALISED $H(.,.)$ MIXED OPERATOR IN HILBERT SPACES** *Sanjeev Gupta* | **OIL PRODUCTION MANAGEMENT USING RECURRENT NEURAL NETWORKS** *Alaeddin Malek* *Forugh Khoshkhou* | **OPTIMAL MAINTENANCE APPROCH BY USING FUZZY SET THEORY** *Prakash R. Chavan* |
| 11:00 to 11:20 | **ON CONJUGACIES OF CIRCLE MAPS WITH SINGULAR POINTS** *Sokhobiddin Akhatkulov* *Mohd Salmi Md Noorani* *Habibulla Akhadkulov* | **OUTSOURCING SYSTEM PLANNING FOR COMPUTER HARDWARE SUPPLY AND MAINTENANCE IN UiTM SHAH ALAM** *Siti Sarah Januri* *Sarifah Radiah Shariff* *Siti Meriam Zahari* | **SIMULATION MODEL OF HUMAN DECISION MAKING FOR COOPERATION** *Zaibidi N. Z.* *Sulaiman N. I. S.* *Abidin N. Z* |