Programme Book

The Second Conference on
DATA MINING & OPTIMIZATION

27-28 October 2009

UNIVERSITI KEBANGSAAN MALAYSIA
National University Of Malaysia

IEEE
Malaysia Section

IEEE
computer society
Malaysia Chapter

DMO

The Second Conference of Data Mining and Optimization (DMO'09)

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CONFERENCE SCHEDULE

DAY 1	DEWAN MUSYTARI
27 OCTOBER 2009	CONFERENCE EVENTS
08.00 - 11.00 am	Conference registration
09.00-10..30 am	**Keynote Speech 1** **Knowledge Discovery and Management in Life Sciences** *Fazel Famili*
10.30 - 11.00 am	Tea break
11.00 - 12.00 am	**Plenary Address 1** **The Application of Primitive Heuristics to Constraint Satisfaction for Complex Real World Optimisation** *Paul McMullan*
12.00 - 12.30 pm	DMO'09 Opening ceremony Announcement of DMO'10 Launch of DMO'10 website
12.30 - 02.00 pm	Lunch break
02.00 - 03.30 pm	**Keynote Speech 2** **Knowledge Discovery in Life Sciences : Choosing the right path** Fazel Famili
03.30 - 04.00 pm	Tea break
04.00 - 05.30 pm	**Plenary Address 2** **University spins out the balance between research and practice** *Barry McCollum*
27 OCTOBER 2009	SOCIAL EVENTS
06.00 - 06.30 pm	Meeting point (FTSM)
06.30 - 07.00 pm	Bus leaving for Putrajaya
07.00 - 08.00 pm	Tour to Masjid Putrajaya and Solat Maghrib
08.00 – 10.30 pm	Buffet BBQ Dinner Restoran Samudera. Kelab Tasik Putrajaya
10.30 pm	End of Day 1

PRESENTATION SCHEDULE

Day 2	PARALLEL SESSION 1	
28 Oct 2009	Track 1 (Data Mining)	Track 2(Optimization)
Room	Dewan Musytari	Room Titan 2
Chairperson	Azah Kamilah	Ahmed Oughalime
08.30 – 10.40 am	G. Hayardisi (Data warehouse and web-based OLAP for hotspot distribution in Indonesia) Ashraf Abazeed (Scalable approach for mining association rules from structured xml data) Almahdi Mohamed Ahmed (Dynamic data discretization technique based on frequency and k-nearest neighbour algorithm) Hamidah Jantan (Classification using decision tree induction technique for talent management) Azah Kamilah Muda (Mining generalized features for writer identification)	Anmar F Abuhamdah (Multi-neighbourhood particle collision algorithm for solving course timetabling problem) Ismadi Badarudin (Metaheuristic approaches for optimizing agricultural land planning) Ayed. A. Salman (A hybrid DE-SA algorithm for course scheduling problem) Ahmed Oughalime (Vehicle and driver scheduling modeling: a case study in UKM) Munaisyah Abdullah (Optimization model in Timber Harvest planning based on an incremental solution approach)
10.40 - 11.00 am	Tea break	
	PARALLEL SESSION 2	
	Dewan Musytari	Room Titan 2
Chairperson	Lazim Abdullah	Anmar Abuhamdah
	Track 1 (Data Mining)	Track 2(Optimization)
11.00 – 12.40 am	Lazim Abdullah (A fuzzy time series model in forecasting malaysian government direct tax collection) Siti Sakira Kamaruddin, Abdul Razak Hamdan, Azuraliza Abu Bakar and Fauzias Mat Nor (Dissimilarity Algorithm on Conceptual Graphs to Mine Text Outliers) Paper A-22 S. A. Rahman, A. A. Bakar, Z.A.M. Hussein (Filter-Wrapper Approach to Feature Selection Using RST-DPSO for Mining Protein Function)	Masri Ayob (Hybrid ant colony systems for course timetabling problems) Mohammed Hadwan (An exploration study of Nurse Rostering Practice at Hospital Universiti Kebangsaan Malaysia (HUKM)) Anmar Abuhamdah (Hybridization Multi-Neighbourhood particle collision algorithm and great deluge for solving course timetabling problems) Hamza Turabieh (Incorporating Tabu Search into Memetic approach for enrolment-based course

	Paper A-23 Sofianita Mutalib, Nor Azlin Ali, Shuzlina Abdul Rahman, Azlinah Mohamed (An Exploratory Study in Classification Methods for Patients' Dataset)	timetabling problems)
12.40 - 02.15 pm	Lunch Break	
	PARALLEL SESSION 3	
	Dewan Musytari	Room Titan 2
Chairperson	Yun-Huoy Choo	Khalid Shaker
	Track 1 (Data Mining)	Track 2(Optimization)
02.15 - 04.30 pm	Yun-Huoy Choo, Azuraliza Abu Bakar, Azah Kamilah Muda(Capturing Uncertainty in Associative Classification Model) Zalizah Awang Long, Abdul Razak Hamdan, Azuraliza Abu Bakar (Parameter Setting Procedure via Quick Parameter Evaluation in Frequent Pattern Mining for Outbreak Detection) Nur Shazila Mohamed, Zulaiha Ali Othman, Azuraliza Abu Bakar (A Classification of "Gracilaria changii" Protein Sequences Using Back-Propagation Classifier) Nor Liyana Mohd Shuib, Azuraliza Abu Bakar, Zulaiha Ali Othman (Building a New Taxonomy For Data Discretization Techniques) Ruhaizan Ismail, Zalinda Othman, Azuraliza Abu Bakar (Data Mining In Production Planning and Scheduling: A Review) N. M. Norwawi, S. F. Abdusalam, C. F. Hibadullah and B. M. Shuaibu (Classification of Students's Performance in Computer Programming Course According to Learning Style)	Nasser R. Sabar and Masri Ayob (Examination Timetabling Using Scatter Search Hyper-Heuristic) Ariff Md Ab Malik, Masri Ayob, Abdul Razah Hamdan (Iterated Two-stage Multi-neighbourhood Tabu Search Approach for Examination Timetabling Problem) Khalid Shaker, Salwani Abdullah (Incorporating Great Deluge Approach with Kempe Chain Neighbourhood Structure for Curriculum-Based Course Timetabling Problems) Helmi Md Rais, Zulaiha Ali Othman, Abdul Razak Hamdan (Improvement DACS3 Searching Performance using Local Search) Navid Nasr Esfahani, Parisa Mazrooei, Kaveh Mahdaviani, Behnaz Omoomi (A Note on the Maximum Independent Set Problem)
04.30-05.00 pm	Tea break and End of Conference	

WORKSHOP FASILITATOR

Dr. Fazel Famili's Research Project Portfolio:
Group Leader, Knowledge Discovery, NRC Institute for Information Technology, Ottawa.

BIODATA

KEYNOTE I: TITLE

Abstract/Content Paper:

KEYNOTE II: TITLE

Abstract/Content Paper:

PLENARY SPEAKERS

Dr Barry McCollum

School of Electronics, Electrical Engineering
& Computer Science, Queen's University Belfast

BIODATA

PLENARY I: TITLE

Abstract/Content Paper:

PLENARY SPEAKERS

Dr Paul

BIODATA

PLENARY II: TITLE

Abstract/Content Paper:

CONTRIBUTED PAPERS

Title :

Writer

Abstract

DMO09 Organizing Committee

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