

THE PROGRAMME

Day 1 26th May (Tuesday) Venue : THE BAYVIEW BALLROOM	
0800 – 0830	Arrival and Registration
0900 – 10.15	<p>Opening Ceremony and Keynote Address</p> <ul style="list-style-type: none"> - Arrival of Invited Guests - Arrival of Y.Bhg, Dato’ Ir. Ahmad Husaini Sulaiman, Director General, Department of Irrigation and Drainage Malaysia (DID) - Recital of Doa - Welcoming Speech by Chairman ICWR 2009, Y.Bhg. Prof. Madya. Dr. Sobri Bin Harun. - Officiating and Keynote Address Speech by Y.Bhg, Dato’ Ir. Ahmad Husaini Sulaiman, Director General, Department of Irrigation and Drainage Malaysia. (DID) <p>Title of Paper: <i>"Innovative Water Resources Management Towards Adaptability to Climate Change" Towards Realizing Effective Implementation of IWRM in Malaysia."</i></p> <ul style="list-style-type: none"> - Momento to Director General, Department of Irrigation and Drainage by Chairman ICWR 2009. - Press Conference
1015 – 1030	Refreshment
PLANERY SESSION 1 Venue : THE BAYVIEW BALLROOM Chairperson: Prof. Dr Zulkifli Yusop	
1040 – 1120	<p>Keynote Address 2:</p> <p>Keynote Speaker 2 -- Prof. Howard Wheater, Professor of Hydrology, Imperial College London</p> <p>Title of Paper: <i>"Flood Risk Management in A Changing World: Assessing The Impacts Of Land Use and Climate Change."</i></p>

Day 1 26th MAY (Tuesday)	
PARALLEL SESION 1A Venue: THE BAYVIEW BALLROOM Chairperson: Assoc. Prof. Dr Norhan Abd Rahman (Time shown includes Paper Presentation, and Questions and Answers)	
Time	Paper Title
1130 – 1145	Paper ID 218: Statistical river flood estimation for the wettest state of Peninsular Malaysia. <i>Saied Saiedi and Nabilah Abu Bakar</i> <i>Universiti Teknologi PETRONAS,</i>
1145 – 1200	Paper ID 79: Large-scale variability of rainfall: creation and analysis of a new daily gridded data set for Peninsular Malaysia. <i>C.L. Wong, R. Venneker, S. Uhlenbrook and A.B.M. Jamil</i> <i>UNESCO-IHE Institute for Water Education,</i>
1200 – 1215	Paper ID 109: Geostationary meteorological satellite-based quantitative rainfall estimation (GMS-rain) for hydro-meteorological flood forecasting. <i>Wardah Tahir, Zaidah Ibrahim and Suzana Ramli</i> <i>Universiti Teknologi MARA (UiTM)</i>
1215 – 1230	Paper ID 199: Identification of flood source areas in Pahang river basin. <i>Wan Nor Azmin Sulaiman, Ali Heshmatpour and Mohd Hafiz Rosli</i> <i>University Putra Malaysia (UPM)</i>
1230-1245	Paper ID 130: Overview of selected climate models for flood forecasting. <i>M.R.M. Adib, A.Junaidah, T.Wardah, M.A. Zarina and R.S.Nazahiyah</i> <i>Universiti Tun Hussein Onn Malaysia (UTHM)</i>
1245-1300	Paper ID 142: Evaluation of uncertainty in urban water drainage system performance. <i>Sara Nazif, Mohammad Karamouz and Ana Hosseinpoor</i> <i>University of Tehran, Tehran, Iran</i>
1300 – 1400	Lunch and Prayer

Day 1	
26th MAY (Tuesday)	
PARALLEL SESION 1B	
Venue: EMERALD ROOM	
Chairperson: Assoc. Prof. Dr Ayob Katimon	
(Time shown includes Paper Presentation, and Questions and Answers)	
Time	Paper Title
1130 – 1145	Paper ID 52: NO ₃ -N uniformity distribution in soil, water, and plant in the management of wheat fertigation based on three irrigation management strategies in a semi arid region. <i>Ali A. Ghaemi, and Yaser Chagha</i> <i>Shiraz University, Shiraz, I.R. IRAN.</i>
1145 – 1200	Paper ID 181: Tannery wastewater pre-treatment. <i>Mahmoud Abdel-Shafy Elsheikh</i> <i>University of Tabuk, Tabuk, Saudi Arabia</i>
1200 – 1215	Paper ID 91: Water management and conservation: from a beach resort's perspective. <i>Chek Min En</i> <i>The Frangipani Langkawi Resort & Spa</i>
1215 – 1230	Paper ID 93: Impact of Compound Channel Flow on Spatial and Temporal Distributions of Pollutant Transport using POLLUTE1: channel roughness and Bed Slope Effects. <i>Hamzeh Ghassabsaraei, M., Ayyoubzadeh, S. A., Firoozfar, A. R, and Faramarz, M.</i> <i>Tarbiat Modares University, Tehran, Iran</i>
1230-1245	Paper ID 178: Bioretention systems for the treatment of oily wastewater in partly saturated condition. <i>Merry Hastuti, Nasiman B Sapari</i> <i>Universiti Teknologi PETRONAS, Malaysia</i>
1245-1300	Paper ID 215: Artificial reefs: A potential tool for the conservation of natural marine resources through NAHRIM's experience at Tioman Island, Pahang, Malaysia <i>Ang Shin Ying^a and Mohamad Fauzi Bin Mohamad</i> <i>National Hydraulic Research Institute of Malaysia (NAHRIM)</i>
1300 – 1400	Lunch and Prayer

Day 1	
26th MAY (Tuesday)	
PARALLEL SESION 1C	
Venue: DIAMONDS ROOM	
Chairperson: Assoc. Prof. Dr Supiah Shamsudin	
(Time shown includes Paper Presentation, and Questions and Answers)	
Time	Paper Title
1130 – 1145	Paper ID 61: Groundwater potential analysis using remote sensing and GIS and its implication to the geological strata appearances in Perlis, Malaysia. <i>Ahmad Kamal Md. Issa, Zakaria Mat Arof, Kamaruzaman Wan Yusof, Ahmad Nadzari Yahaya and Shabri Lebai Din.</i> <i>Universiti Teknologi MARA (UiTM) Perlis</i>
1145 – 1200	Paper ID 62: Alleviating water consumption shared responsibilities issue via prudent knowledge management (KM) approach. <i>Che Rosnah Ngah, and Abdul Halim bin Awang @ Sulong.</i> <i>Universiti Malaysia Terengganu (UMT)</i>
1200 – 1215	Paper ID 77: Estimating infiltration parameter for simulation of advance flow in furrow irrigation. <i>Majdzadeh B., Ojaghloo H., Ghobadi-Nia, M.,Sohrabi T.,and Abbasi F.</i> <i>Tehran University, Iran.</i>
1215 – 1230	Paper ID 146: Modelling of volatile organic compounds in groundwater system <i>Norhan Abd. Rahman, Zainab Mohd. Yusof, Ngien Su Kong and Rubi Kliwon</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1230-1245	Paper ID 81: Flow pattern and hydraulic characteristics for subsurface drainage module <i>S.H. Lai, L.C. Kee, N.A. Zakaria, A. Ab. Ghani, C.K. Chang, and C.S. Leow.</i> <i>Universiti Sains Malaysia (USM)</i>
1245-1300	Paper ID 82: An exploratory study on consumer acceptability and product marketability of water-fuel device <i>Nor Razuana Binti Amram, and Mahiah Binti Said.</i> <i>Universiti Tenaga Nasional (UNITEN)</i>
1300 – 1400	Lunch and Prayer

Day 1	
26th MAY (Tuesday)	
PARALLEL SESION 2A	
Venue:	
Chairperson: Assoc. Prof. Dr Md Hazrat Ali	
(Time shown includes Paper Presentation, and Questions and Answers)	
Time	Paper Title
1400 – 1415	Paper ID 160: Evaluation of gross pollutant traps (GPTs) for open channel system <i>Norhan Abd Rahman, Noraliani Alias, Noor Suraya Romali and Norasman Othman</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1415 – 1430	Paper ID 121: Removal of foam flow sea water used as the cooling water of a coal-fired power plant <i>D.-K. Lee, D.-S. Kim, and T.-H. Kim</i> <i>Gyeongsang National University, Jinju, Gyeongnam, Korea</i>
1430 – 1445	Paper ID 124: Biogas production from agrowaste <i>N. Zaino, J. Salihon and R. Abdul-Rahman</i> <i>Universiti Malaysia Pahang (UMP)</i>
1445 – 1500	Paper ID 157: Water quality variation of the upper part of Johor river in relation to rainfall and runoff pattern <i>Ayob Katimon and Hasmiza Hamza</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1500 – 1515	Paper ID 119: urification of contaminated river with subsurface flow constructed wetland <i>D.-K. Lee, D.-S. Kim and T.-H. Kim</i> <i>Gyeongsang National University, Jinju, Gyeongnam, Korea</i>
1515 – 1530	Paper ID 173: Water lettuce and water hyacinth as lestari medium for industrial petrochemical wastewater treatment <i>Abdul Syukor Abd Razak, Aimi Ilmar Ramli, Suryati Sulaiman, Noor Suraya Romali, and Nur Hidayah Mohmad.</i> <i>Universiti Malaysia Pahang (UMP)</i>
1530 – 1545	Refreshment

Day 1	
26th MAY (Tuesday)	
PARALLEL SESION 2B	
Venue: EMERALD ROOM	
Chairperson: Assoc. Prof. Dr Rozi Abdullah	
(Time shown includes Paper Presentation, and Questions and Answers)	
Time	Paper Title
1400 – 1415	Paper ID 111: The miracle of water from quranic revelations <i>Hj. Norakyairee bin Mohd Raus, Rabiatal Adawiyah binti Mohd, Kauthar binti Abdul Kadir, and Noornajihan binti Jaafar</i> <i>Universiti Sains Islam Malaysia (USIM)</i>
1415 – 1430	Paper ID 92: An IRWM approach to manage nutrients using an object oriented modeling based on the concepts of systems dynamics: An economic perspective <i>Maryam Ghashghaie, Ali Bagheri, and Amin Sarang</i> <i>Tarbiat Modares University, Tehran, Iran.</i>
1430 – 1445	Paper ID 98: Development of an expert system prototype to monitor surface water quality during construction activities <i>Leila Ooshaksaraie, Noor Ezlin Ahmad Basri, Othman Jaafar, and Khairul Nizam Abdul Maulud</i> <i>Universiti Kebangsaan Malaysia.(UKM)</i>
1445 – 1500	Paper ID 115: Feasibility to use aero-infiltration in measuring of the infiltration rate and soil moisture content <i>Mohamad Ali Fulazzaky, Amir Hashim Mohd. Kassim and Ismail Ibrahim</i> <i>Universiti Tun Hussein Onn Malaysia (UTHM)</i>
1500 – 1515	Paper ID 89: Simultaneous layout and pipe size optimization of pressurized irrigation water distribution networks using hybrid ACO/LIDM method <i>B. S. Kashkooli, and M.J. Monem</i> <i>The University of Tarbiat Modarress, Tehran, Iran</i>
1515 – 1530	Paper ID 127: Effort towards rehabilitation of Bunut lake Sarawak <i>Alexander K. Sayok, Sapuan Ahmad, Lau Seng, and Rahim Nik</i> <i>Universiti Malaysia Sarawak (UNIMAS)</i>
1530 – 1545	Refreshment

Day 1	
26th MAY (Tuesday)	
PARALLEL SESION 2C	
Venue: DIAMONDS ROOM	
Chairperson: Prof Dr Siti Mariyam Shamsudin	
(Time shown includes Paper Presentation, and Questions and Answers)	
Time	Paper Title
1400 – 1415	Paper ID 88: Development of a Non-linear Theoretical Model Based on Artificial Neural Network for Water Quality Prediction <i>A. Najah, A. El-Shafie and O. A. Karim</i> <i>University Kebangsaan Malaysia (UKM)</i>
1415 – 1430	Paper ID 117: Hourly Rainfall-runoff Modelling using particle swarm Optimization Feedforward Neural Network (PSO-NN) <i>Kuok King Kuok, Sobri Harun and Siti Mariyam Shamsuddin</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1430 – 1445	Paper ID 194: Soft Computing Detection Method for Input Data Error Problem in Computerized Information System: A Framework <i>Burairah Hussin, Abdul Samad Shibghatullah and Siti Azirah Asmai</i> <i>Universiti Teknikal Malaysia Melaka (UTeM)</i>
1445 – 1500	Paper ID 70: Daily reservoir inflow forecasting using adaptive neuro-fuzzy inference systems <i>Shahram Karimi-Googhari and Teang Shui Lee</i> <i>Shahid-Bahonar University of Kerman, Kerman, I.R. Iran</i>
1500 – 1515	Paper ID 186: Classification Between Normal And osteoporotic Cancellous <i>Yuslinda Mad Yusop and Habibollah Haron</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1515 – 1530	Paper ID 187: Optimizing the management of soil erosion in orazan Sub-basin, Iran <i>Mahdi Vafakhah, and Mohsen Mohseni Saravi</i> <i>Tarbiat Modares University, Iran</i>
1530 – 1545	Refreshment

Day 1	
26th MAY (Tuesday)	
PARALLEL SESION 3A	
Venue: THE BAYVIEW BALLROOM	
Chairperson: Dr Zulhilmi Ismail	
(Time shown includes Paper Presentation, and Questions and Answers)	
Time	Paper Title
1545 – 1600	Paper ID 182: Hydrogeology and groundwater balance of Shahriar aquifer. <i>Leila Khodapanah, and Wan Nor Azmin Sulaiman</i> <i>Universiti Putra Malaysia.(UPM)</i>
1600 – 1615	Paper ID 136: Urban stormwater runoff mitigation method using artificial recharge on groundwater. <i>Lawal Abdul Qayoom Tunji, Dwi Tjahjanto and Ab Aziz Abdul Latiff</i> <i>Universiti Tun Hussein Onn Malaysia (UTHM)</i>
1615 – 1630	Paper ID 201: Institutionalization for management transfer. <i>Ghasemi, A' Sumiani, Y.</i> <i>University of Malaya.</i>
1630 – 1645	Paper ID 78: Clay pitcher irrigation system for cucumber in green house. <i>Majdzadeh, B, and Rahnama, M.B.</i> <i>University of Tehran, Iran</i>
1645-1700	Paper ID 147: A Computational procedure for systematic analysis of water reuse, regeneration and recycle in retrofit design of refinery water network systems. <i>Cheng Seong Khor, Pei Chie Leong, Norliza Bt Abang Zamhari, and Siti Norzamia Bt Nadzmi</i> <i>Universiti Teknologi PETRONAS</i>
1700-1715	Paper ID 140: A study on the effect of channel modification at Taman Harmoni, Simpang Renggam, Johor using SMADA. <i>Zarina Md Ali, Azreen Harina Azman, Ismail Ibrahim, Dwi Tjahjanto, Wan Afnizan Wan Mohamed and Nur Shaylinda Mohd Zin</i> <i>Universiti Tun Hussein Onn Malaysia (UTHM)</i>
1715-1730	Paper ID 148: Climate change impacts on the water industry: Malaysian water treatment operator's perspective. <i>P.B. Lim, Nor Atiza M. A., Noorazamimah A. A. and Ayu A. M. Y</i> <i>Puncak Niaga (M) Sdn Bhd</i>
1730-1745	Paper ID 179: Simulation of MOFAT for light non aqueous phase liquid (LNAPL) in the unsaturated zone. <i>Samira Albaty Kamaruddin, Wan Nor Azmin Sulaiman, Norhan Abd Rahman, And Mohamad Pauzi Zakaria</i> <i>Universiti Teknologi Malaysia (UTM)</i>

Day 1	
26th MAY (Tuesday)	
PARALLEL SESION 3B	
Venue: EMERALD ROOM	
Chairperson: Dr Noor Baharim Hashim	
(Time shown includes Paper Presentation, and Questions and Answers)	
Time	Paper Title
1545 – 1600	Paper ID 150: Characteristics of short time increment rainfall in Malaysia. <i>M. Azli, and A. R. Rao</i> <i>University of Malaya, Malaysia. (UM)</i>
1600 – 1615	Paper ID 50: Design of high concrete gravity dam and its stability analyses for varying earthquake intensities. <i>Md. Hazrat Ali, Sobri Harun and M.J. Alam</i> <i>Universiti Teknologi Malaysia. (UTM)</i>
1615 – 1630	Paper ID 65: Hydraulic model studies on the impact of vehicles on flooding in urban areas <i>Fang Yenn Teo, Roger A. Falconer and Binliang Lin</i> <i>Cardiff University, United Kingdom.</i>
1630 – 1645	Paper ID 156: Development and Applications of flood hazard map for Damansara River, Selangor, Malaysia <i>Sabri Abdul Mulok, Ir.Shukri Muslim, Norhan Abd. Rahman, Sobri Harun and Abd. Jalil Hassan</i> <i>Department of Irrigation and Drainage, Malaysia.(DID)</i>
1645-1700	Paper ID 203: Modeling riparian buffer zone for improving water quality and quantity <i>Said Hassan Matan, Ayob bin Katimon, and Supiah Shamsudin</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1700-1715	Paper ID 73: Water delivery optimization program, of Jiroft Dam irrigation networks, by using genetic algorithm <i>Rahnama Mohamad Bagher, and Jahanshae Payman.</i> <i>University of Kerman, Iran.</i>
1715-1730	Paper ID 202: Integrated river basin management (IRBM) hydrologic Modelling using HEC-HMS for Sungai Kurau basin Perak <i>Zorkeflee Abu Hasan, Nuramidah Hamidon and Mohd Suffian</i> <i>Universiti Sains Malaysia (USM)</i>
1730-1745	Paper ID 161: Flood Modelling Evaluation in River Meandering Channel Under Tidal Effect. <i>Mohd Fauzi bin Mohamad, Norhan Abd Rahman, and Abd Jalil Hassan</i> <i>National Hydraulic Research Institute Of Malaysia (NAHRIM)</i>

Day 1	
26th MAY (Tuesday)	
PARALLEL SESION 3C	
Venue: DIAMONDS ROOM	
Chairperson: Assoc. Prof. Dr Sobri Harun	
(Time shown includes Paper Presentation, and Questions and Answers)	
Time	Paper Title
1545 – 1600	Paper ID 96: SWAT application for hydrologic and water quality modeling for suspended sediments: a case study of Sungai Langat's catchment in Selangor <i>Khairul Rahmah Ayub, Lai Sai Hin & Hamidi Abd Aziz</i> Universiti Sains Malaysia (USM)
1600 – 1615	Paper ID 102: Drought disaster management with use of watershed management science <i>Mehdi shafaghati ,and foroud sharifi</i> <i>Islamic azad university science and research branch Tehran</i>
1615 – 1630	Paper ID 84: Soil moisture monitoring by using budget model in a changing climate (case study : Isfahan-Iran) <i>Sayed Masood Mostafavi Darani, Gholam ali Kamali, and Mohammad Rahimi</i> <i>I.R.IRAN meteorological organization</i>
1630 – 1645	Paper ID 69: Daily pan evaporation estimation using artificial neural network based models <i>Shahram Karimi-Googhari and Teang Shui Lee</i> <i>Shahid-Bahonar University of Kerman, Kerman, I.R. Iran</i>
1645-1700	Paper ID 108: Determination of Mercury in environmental samples in Muar river estuary <i>M. M. Rahman, K. H. Ling, K. Zaleha and W. S. Wan Nik.</i> <i>International Islamic University of Malaysia (IIUM)</i>
1700-1715	Paper ID 112: Assessment of water availability from Lenggong catchment <i>Mohd Nordin Adlan, Mohd Yusof Mohd Isa, Mohamed Hasnain Isa, Rezaur Rahman Bhuiyan and Nasiman Sapari</i> <i>Universiti Teknologi PETRONAS</i>
1715-1730	Paper ID 192: Biotech integrated water and waste resources management (BIWA) for Sg. Anak Kuyoh, Selangor (phase 1): site inventory and GIS data compilation <i>Zalilah Selamat And Nurlailah Abdillah</i> <i>National Hydraulic Research Institute of Malaysia (NAHRIM)</i>
1730-1745	Paper ID 51: “An Overview of Sedimentation Models for Pari River, Malaysia” <i>Nadiatul A. Abdul Ghani, Mohamed A. Shahin, and Hamid R. Nikraz</i> <i>Curtin university of Technology</i>

Day 1 (Night)	
26th May 2009 (Tuesday)	
Venue:	
DINNER	
1945 – 2000	Arrival of Participants
2000 – 2200	Dinner

Day 2	
27th May 2008 (Thursday)	
Venue : THE BAYVIEW BALLROOM	
PLANERY SESSION 2	
Chairperson: Assoc. Prof. Dr Sobri Harun	
(Time shown includes Paper Presentation, and Questions and Answers)	
0900 – 0945	Keynote Address 3 : Prof. Mohammad Karamouz, Professor of Water Resources, University of Tehran, Iran. Title of Paper: “ Climate Change Impacts On Water Resources: Vulnerabilities and Management Adaptation”
0945 – 1030	Keynote Address 4 : Prof. Amran Hamzah, Tourism Planning Research Group (TPRG) Universiti Teknologi Malaysia. Title of Paper: “Marine Ecotourism: High Yield or High Impact”
1030 – 1045	Refreshments

Day 2	
27th May 2009 (Wednesday)	
PARALLEL SESION 4A	
Venue: THE BAYVIEW BALLROOM	
Chairperson: Assoc. Prof. Dr Md Hazrat Ali	
(Time shown includes Paper Presentation, and Questions and Answers)	
Time	Paper Title
1045 - 1100	Paper ID 114: Comparison of wave hindcasting of linear wave theory and SWAN modelling at Batu Pahat river estuary <i>Norazlina Bateni, Dr. Noor Baharim Hashim, Juwita Asfar and Onni Suhaiza Selaman</i> <i>Universiti Malaysia Sarawak (UNIMAS)</i>
1100 – 1115	Paper ID 126: Impact of climate change and its variability on the rainfall pattern in Sarawak river basin <i>Charles Bong Hin Joo, Ting Sie Yew, Rosmina Ahmad Bustami, and Frederik Josep Putuhena</i> <i>Universiti Malaysia Sarawak (UNIMAS)</i>
1115 – 1130	Paper ID 128: Laboratory study on effects of vegetations in the open channel hydraulic roughness (Pennisetum purpureum and ipomoea aquatica) <i>Noor Aliza Bt. Ahmad, Dwi Tjahjanto , Zarina Md Ali, Nur Shaylinda and Muhammad Asyraff Bin Shakhar</i> <i>Universiti Tun Hussein Onn Malaysia (UTHM)</i>
1130 – 1145	Paper ID 71: Visualisation of flow at the headland-generated recirculation zone <i>Tang Fu Ee</i> <i>Curtin University of Technology Sarawak Campus</i>
1145 – 1200	Paper ID 139: An experimental study on the flow characteristics in straight compound channels <i>Zulkiflee Ibrahim, Zulhilmi Ismail, Sobri Harun, Koji Shiono, Mohd Fauzi Marzuki, Mohd Azizi Abdul Aziz and Normazwan Shah Anas</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1200 – 1215	Paper ID 141: Impact of climate change on sediment loads transport in a watershed scale: A case study <i>Mohammad Karamouz, Behzad Rouhanizadeh, Masoud Taheriyoun, and Farzad Emami</i> <i>University of Tehran, Tehran, Iran</i>
1215 – 1230	Paper ID 185: MRI edge detection using canny method <i>Zolqernine Othman^a, Habibollah Haron^a, Mohammed Rafiq Abdul Kadir^b</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1230 – 1245	Paper ID 188: Integrated river basin management for Klang river basin <i>Wong Wai Sam, Chop Ai Kuang, and Nik Mohd.Kamel Nik Hassan</i> <i>Dr. Nik & Associates Sdn. Bhd</i>
1245 - 1300	Paper ID 189: Hybrid radial basis function network for classification problems <i>Sultan Noman Qasem, and Siti Mariyam Hj. Shamsuddin</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1300 – 1400	Lunch and Prayer

Day 2	
27th May 2009 (Wednesday)	
PARALLEL SESION 4B	
Venue: EMERALD ROOM	
Chairperson: Assoc. Prof. Dr Norhan Abd Rahman	
(Time shown includes Paper Presentation, and Questions and Answers)	
Time	Paper Title
1045 - 1100	Paper ID 180: Discretization paradigm through diversity: an overview <i>Yun-Huoy Choo, Azah Kamilah Muda, and Siti Mariyam Shamsuddin</i> <i>Universiti Teknikal Malaysia Melaka (UTeM)</i>
1100 – 1115	Paper ID 176: Modular Kohonen network for classification problems <i>Zuriahati Mohd Yunos, Siti Mariyam Hj. Shamsuddin, Anazida Zainal & Norfadzila Mohd Yusof</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1115 – 1130	Paper ID 174: The cellular selection mechanism for multi solution NP-hard optimization problems <i>Hossein Rajabalipour Cheshmehgaz, Habibollah Haron and Muhammad Ikhwan Jambak</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1130 – 1145	Paper ID 95: Regional hydrological drought forecasting using cellular automata <i>Shahab Araghinejad, Mohammad Reza Najafi, and Mohammad Bashirzadeh^a</i> <i>University of Tehran, Iran</i>
1145 – 1200	Paper ID 153: Prediction of Scour around hydraulic structure using soft computing techniques <i>H. Md. Azamathulla, Aminuddin Ab Ghani, Nor Azazi Zakaria, Leow C Siang and Chang C Kiat</i> <i>Universiti Sains Malaysia, (USM)</i>
1200 – 1215	Paper ID 190: Concept -based learning object classification using artificial neural network <i>Norsham Idris, Norazah Yusof, and Puteh Saad</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1215 – 1230	Paper ID 191: Application of a Dss-based model for improvement in water demand management : A case study <i>Mohammad Karamouz , Asghar Elyasi, and Saleh Ahmadinia</i> <i>University of Tehran, Tehran, Iran</i>
1230 – 1245	Paper ID 154: Rivers Ranking using Fuzzy analytic hierarchy process <i>Mohamad Ashari Alias, Supiah Shamsudin and Siti Zaiton Hashim</i> <i>University Teknologi Malaysia (UTM)</i>
1245 - 1300	Paper ID 165: Deposition of sediments in detention pond. <i>Mazlina Alang Othman, Tarmizi Ismail, Abu Bakar Fadzil, and Norleen Fariza Abdul Mulok.</i> <i>Universiti Teknologi Malaysia. (UTM)</i>
1300 – 1400	Lunch and Prayer

Day 2	
27th May 2009 (Wednesday)	
PARALLEL SESION 4C	
Venue: DIAMONDS ROOM	
Chairperson: Mr. Mohd Ridza Mohd Haniffah	
(Time shown includes Paper Presentation, and Questions and Answers)	
Time	Paper Title
1045 - 1100	Paper ID 196: Field infiltration test using test pit method for water sensitive urban drainage design (WSUD) Infiltration Facilities At Local Scale In Kuala Lumpur. <i>Lariyah M.S., Mohd Nor M.D, Zulkefli, M.Norazizah, A.K.Idris, Y.Hezrin Haslinda H., and Amirah Hanim M.P.</i> <i>Universiti Tenaga Nasional (UNITEN)</i>
1100 – 1115	Paper ID 151: Convective Rainfall characteristics in Ampang, Selangor. <i>Nordila A., Zulkifli Y. and Zalina MD</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1115 – 1130	Paper ID 195: Urban stormwater drainage system study using numerical modeling. <i>Liew Yuk San, Zalilah Selamat and Aminuddin Abd Ghani</i> <i>National Hydraulic Research Institute of Malaysia (NAHRIM)</i>
1130 – 1145	Paper ID 162: The potential of recharge well system in flat area with low infiltration rate. <i>Sabariah Musa, Nor Azazi Zakaria, Dwi Tjahjanto, and Lai Sai Hin</i> <i>Universiti Tun Hussein Onn Malaysia (UTHM)</i>
1145 – 1200	Paper ID 184: Reconstruction of volume and spread of flood water in velachery area through field investigation. <i>S.Suriya, Gopinath, B.V.Mudgal, and K.Karunakaran</i> <i>Anna University, Chennai, India</i>
1200 – 1215	Paper ID 193: Operational flood forecasting using flussgebietsmodell (FGM) Model in Chindwin River basin, Myanmar <i>Win Win Zin, F. Nestmann, and J. Ihringer</i> <i>Yangon Technological University, Myanmar</i>
1215 – 1230	Paper ID 197: GIS based hydrological and hydraulic modelling for river flood extent mapping in urban areas (A case study on sungai kayu ara river basin, Kuala Lumpur, Malaysia) <i>Rozi Abdullah, Sina Alaghmand and Ismail Abustan</i> <i>Universiti Sains Malaysia. (USM)</i>
1230 – 1245	Paper ID 198: Study on effectiveness of automatic sliding gate to control backwater <i>Noor Azim B. Kamaruddin and Dwi Tjahjanto</i> <i>Universiti Tun Hussein Onn Malaysia (UTHM)</i>
1245 - 1300	Paper ID 205: Investigating drought index due to the climate change effect <i>Nurul Adzura Ismail, Sobri Harun and Zaki Mat Amin</i> <i>Universiti Teknologi Malaysia.(UTM)</i>
1300 – 1400	Lunch and Prayer

Day 2	
27th May 2009 (Wednesday)	
PARALLEL SESION 5A	
Venue: THE BAYVIEW BALLROOM	
Chairperson: Mr. Zulkiflee Ibrahim	
(Time shown includes Paper Presentation, and Questions and Answers)	
Time	Paper Title
1400 - 1415	Paper ID 155: Remote Sensing-GIS Application in monitoring water quality parameter. <i>Norsaliza Usali and Mohd Hasmadi Ismail</i> <i>Universiti Putra Malaysia (UPM).</i>
1415 – 1430	Paper ID 53: Climate change exploration in Muda Irrigation Scheme. <i>Md. Hazrat Ali and Sobri Harun</i> <i>Universiti Teknologi Malaysia.(UTM)</i>
1430 – 1445	Paper ID 175: Microclimate of tropical montane cloud forest in genting highlands: preliminary results. <i>Nur Aisyah Bte Kamarulzaman, Sheriza Mohd Razali, and Ahmad Ainuddin Nuruddin.</i> <i>Universiti Putra Malaysia (UPM)</i>
1445-1500	Paper ID 66: Multi-lead water level forecasting of Johor river at Rantau Panjang station utilizing artificial neural network <i>M.Sulaiman, A.El-Shafie, O.Karim, and H.Basri</i> <i>Universiti Malaysia Pahang (UMP)</i>
1500-1515	Paper ID 131: Prediction capabilities of SWAN modelling using coarse and finer grid size at Batu Pahat, river estuary. <i>Norazlina Bateni, Dr. Noor Baharim Hashim, Juwita Asfar, and Onni Suhaiza Selaman</i> <i>Universiti Malaysia Sarawak (UNIMAS)</i>
1515-1530	Paper ID 204: Characterization of total suspended solids, COD and oil & grease in stormwater runoff from industrial site <i>M.F. Chow, and Z. Yusop</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1530-1545	Paper ID 200: Prediction of natural slope stability in fraser hill catchment based on deterministic model under different precipitation threshold. <i>Mohd.Hafiz Rosli, Wan Nor Azmin Sulaiman, and Mohd.Armi Abu Samah</i> <i>Universiti Putra Malaysia (UPM)</i>
1545-1600	Paper ID 85: A hybrid simulation/optimization model for reservoir operation under drought conditions. <i>Keyvan Asghari, Mansour Ganji, and Hesam Kiani</i> <i>Isfahan University of Technology, Isfahan, Iran</i>
1600-1615	Refreshments

Day 2	
27th May 2009 (Wednesday)	
PARALLEL SESION 5B	
Venue: EMERALD ROOM	
Chairperson: Assoc. Prof. Dr Ayob Katimon	
(Time shown includes Paper Presentation, and Questions and Answers)	
Time	Paper Title
1400 - 1415	Paper ID 216: Impacts of aquaculture on the water quality of santubong River, Sarawak. <i>Shahram Karimi-Googhari and Teang Shui Lee</i> <i>Shahid-Bahonar University of Kerman, Kerman, I.R. Iran</i>
1415 – 1430	Paper ID 106: Adsorption of phenol from aqueous solutions using incinerated sewage sludge. <i>Wan Afnizan bin Wan Mohamed, Katayon Saed, Nur Shaylinda binti Mohd Zin, and Mohd Adib bin Mohammad Razi</i> <i>Universiti Tun Hussein Onn Malaysia (UTHM)</i>
1430 – 1445	Paper ID 214: Hydrodynamic and salinity transport model in an estuarine system <i>Noor Baharim Hashim, Nuryazmeen Farhan Haron and Maznah Ismail</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1445-1500	Paper ID 118: Chemical oxygen demand concentration and its spatial distribution for rainwater of a small area at Parit Raja, Batu Pahat, Johor Malaysia. <i>Mas Rahayu Jalil, Mohd. Hairul Khamidun, Sabariah Musa, Siti Nazahiyah Rahmat, and Zarina Md. Ali</i> <i>Universiti Tun Hussein Onn Malaysia.(UTHM)</i>
1500-1515	Paper ID 100: Numerical simulation of coastal pollution in Sungai Johor estuarine system. <i>Noor Baharim Hashim, Razali Ismail, Maznah Ismail and Nuryazmeen Farhan Haron</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1515-1530	Paper ID 72: Engineered wetlands for wastewater treatment in Sarawak. <i>Tang Fu E</i> <i>Curtin University of Technology Sarawak Campus</i>
1530-1545	Paper ID 217: Impact of cage aquaculture on the water quality of Batang Ai hydroelectric reservoir. <i>Debbie Deborah Paka, Ling Teck Yee, Lee Nyanti, Norhadi Ismail and Justin Jok Jau Emang.</i> <i>Universiti Malaysia Sarawak (UNIMAS)</i>
1545-1600	Paper ID 219: Removal of sodium sulfide from waste water by aeration in the presence of ultrasonic vibration. <i>Lintang, Naveed Ahmad and Saikat Maitra</i> <i>University Teknologi PETRONAS</i>
1600-1615	Refreshments

Day 2	
27th May 2009 (Wednesday)	
PARALLEL SESION 5C	
Venue: DIAMONDS ROOM	
Chairperson: Dr Noor Baharim Hashim	
(Time shown includes Paper Presentation, and Questions and Answers)	
Time	Paper Title
1400 - 1415	Paper ID 211: Issues and challenges towards integrated river basin management in cameron highlands, Malaysia <i>Tan Kok Weng and Mazlin B. Mokhtar</i> <i>National University of Malaysia.(UKM)</i>
1415 – 1430	Paper ID 209: Hydrograph separation for small oil palm catchment based on isotopes, silica and graphical approaches <i>Geoffery James Gerusu, Zulkipli Yusop, Wan Zakaria Wan Md Tahir, Lakam Mejus, Johari Abd Latif, and Juhari Muhd Yusof</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1430 – 1445	Paper ID 60: Sediment control of the pump-station intake with submerged vanes. <i>Samad Emamgholizadeh</i> <i>Shahrood University, IRAN</i>
1445-1500	Paper ID 64: Flow Behaviours in Compound Meandering Channel with Non-Vegetated and One Line Cross-Over Vegetated Floodplains for Overbank Flow. <i>Zulhilmi Ismail and Koji Shiono</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1500-1515	Paper ID 143: Sediment Yield Analysis For Johor River Basins <i>Supiah binti Shamsudin, Nazuha Abu Bakar, and Azmi Ab Rahman</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1515-1530	Paper ID 208: Impact of Climate Change on The Meltwater Discharge of The Chhota Shigri Glacier, Himachal Pradesh, India <i>AL. Ramanathan, Parmanand Sharma, Anurag Linda, and Jose George Pottakkal</i> <i>Jawaharlal Nehru University, New Delhi, India</i>
1530-1545	Paper ID 212: Sustainability Assessment of Dam Development and the Consequences of Resettlement Programs – The Sarawak Experience. <i>Edward Andre</i> <i>Edith Cowan University</i>
1545-1600	Paper ID 144: A Stochastic Approach for Stormwater Detention Pond Design at Iskandar Malaysia, Johor. <i>Supiah Shamsudin, Zainiah Mohd Zin, Azmi Ab Rahman, and Salisu Dan'azumi</i> <i>Universiti Teknologi Malaysia (UTM)</i>
1600-1615	Refreshments

Day 2	
27th May 2009 (Wednesday)	
Venue: THE BAYVIEW BALLROOM	
CLOSING CEREMONY	
1615 - 1630	Arrival of Participants
1630 - 1640	Recital of Doa
1640 - 1700	Closing Ceremony / Photo Session

Day 3	
28th May 2009 (Thursday)	
½ Day Edu-Tourism Tour	
Optional	