### THE PROGRAMME

**Day 1**

**26th May (Tuesday)**

**Venue: THE BAYVIEW BALLROOM**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>0800 – 0830</td>
<td>Arrival and Registration</td>
</tr>
<tr>
<td>0900 – 10.15</td>
<td><strong>Opening Ceremony and Keynote Address</strong></td>
</tr>
<tr>
<td></td>
<td>- Arrival of Invited Guests</td>
</tr>
<tr>
<td></td>
<td>- Arrival of Y.Bhg, Dato’ Ir. Ahmad Husaini Sulaiman, Director General,</td>
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<tr>
<td></td>
<td>Department of Irrigation and Drainage Malaysia (DID)</td>
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<tr>
<td></td>
<td>- Recital of Doa</td>
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<tr>
<td></td>
<td>- Welcoming Speech by Chairman ICWR 2009, Y.Bhg. Prof. Madya. Dr. Sobri</td>
</tr>
<tr>
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<td>Bin Harun.</td>
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<tr>
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<td>- Officiating and Keynote Address Speech by Y.Bhg, Dato’ Ir. Ahmad</td>
</tr>
<tr>
<td></td>
<td>Hussaini Sulaiman, Director General, Department of Irrigation and Drainage</td>
</tr>
<tr>
<td></td>
<td>Malaysia. (DID)</td>
</tr>
<tr>
<td></td>
<td><strong>Title of Paper:</strong> <em>Innovative Water Resources Management Towards</em></td>
</tr>
<tr>
<td></td>
<td>Adaptable to Climate Change* Towards Realizing Effective Implementation</td>
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<tr>
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<td>of IWRM in Malaysia.*</td>
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<tr>
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<td>- Momento to Director General, Department of Irrigation and Drainage</td>
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<td></td>
<td>by Chairman ICWR 2009.</td>
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<tr>
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<td>- Press Conference</td>
</tr>
<tr>
<td>1015 – 1030</td>
<td><strong>Refreshment</strong></td>
</tr>
<tr>
<td>1040 – 1120</td>
<td><strong>Planer Session 1</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Venue: THE BAYVIEW BALLROOM</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Chairperson: Prof. Dr Zulkifli Yusop</strong></td>
</tr>
<tr>
<td>1040 – 1120</td>
<td>Keynote Address 2:</td>
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<tr>
<td></td>
<td>Keynote Speaker 2 -- Prof. Howard Wheater,</td>
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<tr>
<td></td>
<td>Professor of Hydrology,</td>
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<td></td>
<td>Imperial College London</td>
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<tr>
<td></td>
<td><strong>Title of Paper:</strong> <em>Flood Risk Management in A Changing World:</em></td>
</tr>
<tr>
<td></td>
<td>Assessing The Impacts Of Land Use and Climate Change.*</td>
</tr>
</tbody>
</table>
### PARALLEL SESSION 1A

**Venue:** THE BAYVIEW BALLROOM

**Chairperson:** Assoc. Prof. Dr Norhan Abd Rahman

(Time shown includes Paper Presentation, and Questions and Answers)

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper Title</th>
</tr>
</thead>
</table>
| 1130 – 1145 | Paper ID 218: Statistical river flood estimation for the wettest state of Peninsular Malaysia.  
*Saied Saiedi and Nabilah Abu Bakar*  
*Universiti Teknologi PETRONAS,* |
| 1145 – 1200 | Paper ID 79: Large-scale variability of rainfall: creation and analysis of a new daily gridded data set for Peninsular Malaysia.  
*C.L. Wong, R. Venneker, S. Uhlenbrook and A.B.M. Jamil*  
*UNESCO-IHE Institute for Water Education,* |
| 1200 – 1215 | Paper ID 109: Geostationary meteorological satellite-based quantitative rainfall estimation (GMS-rain) for hydro-meteorological flood forecasting.  
*Wardah Tahir, Zaidah Ibrahim and Suzana Ramli*  
*Universiti Teknologi MARA (UiTM)* |
*Wan Nor Azmin Sulaiman, Ali Heshmatpour and Mohd Hafiz Rosli*  
*University Putra Malaysia (UPM)* |
| 1230-1245 | Paper ID 130: Overview of selected climate models for flood forecasting.  
*M.R.M. Adib, A.Junaidah, T.Wardah, M.A. Zarina and R.S.Nazahiyah*  
*Universiti Tun Hussein Onn Malaysia (UTHM)* |
*Sara Nazif, Mohammad Karamouz and Ana Hosseinpoor*  
*University of Tehran, Tehran, Iran* |
<p>| 1300 – 1400 | Lunch and Prayer |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Paper Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1130 – 1145</td>
<td>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.&lt;br&gt;Ali A. Ghaemi, and Yaser Chagha&lt;br&gt;Shiraz University, Shiraz, I.R. IRAN.</td>
</tr>
<tr>
<td>1145 – 1200</td>
<td>Paper ID 181: Tannery wastewater pre-treatment.&lt;br&gt;Mahmoud Abdel-Shafy Elsheikh&lt;br&gt;University of Tabuk, Tabuk, Saudi Arabia</td>
</tr>
<tr>
<td>1200 – 1215</td>
<td>Paper ID 91: Water management and conservation: from a beach resort’s perspective.&lt;br&gt;Chek Min En&lt;br&gt;The Frangipani Langkawi Resort &amp; Spa</td>
</tr>
<tr>
<td>1230-1245</td>
<td>Paper ID 178: Bioretention systems for the treatment of oily wastewater in partly saturated condition.&lt;br&gt;Merry Hastuti, Nasiman B Sapari&lt;br&gt;Universiti Teknologi PETRONAS, Malaysia</td>
</tr>
<tr>
<td>1245-1300</td>
<td>Paper ID 215: Artificial reefs: A potential tool for the conservation of natural marine resources through NAHRIM’s experience at Tioman Island, Pahang, Malaysia&lt;br&gt;Ang Shin Yinga and Mohamad Fauzi Bin Mohamad&lt;br&gt;National Hydraulic Research Institute of Malaysia (NAHRIM)</td>
</tr>
<tr>
<td>1300 – 1400</td>
<td>Lunch and Prayer</td>
</tr>
</tbody>
</table>
## Day 1

**26th MAY (Tuesday)**

**PARALLEL SESSION 1C**  
**Venue:** DIAMONDS ROOM  
**Chairperson:** Assoc. Prof. Dr Supiah Shamsudin  
(Time shown includes Paper Presentation, and Questions and Answers)

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper Title</th>
</tr>
</thead>
</table>
| 1130 – 1145| Paper ID 61: Groundwater potential analysis using remote sensing and GIS and its implication to the geological strata appearances in Perlis, Malaysia.  
  *Ahmad Kamal Md. Issa, Zakaria Mat Arof, Kamaruzaman Wan Yusof, Ahmad Ndzari Yahaya and Shabri Lebai Din.*  
  Universiti Teknologi MARA (UiTM) Perlis |
  *Che Rosnah Ngah, and Abdul Halim bin Awang @ Sulong.*  
  Universiti Malaysia Terengganu (UMT) |
  *Majdzadeh B., Ojaghloo H., Ghobadi-Nia, M.,Sohrabi T.,and Abbasi F.*  
  Tehran University, Iran. |
| 1215 – 1230| Paper ID 146: Modelling of volatile organic compounds in groundwater system  
  *Norhan Abd. Rahman, Zainab Mohd. Yusof, Ngien Su Kong and Rubi Kliwon*  
  Universiti Teknologi Malaysia (UTM) |
| 1230-1245  | Paper ID 81: Flow pattern and hydraulic characteristics for subsurface drainage module  
  Universiti Sains Malaysia (USM) |
| 1245-1300  | Paper ID 82: An exploratory study on consumer acceptability and product marketability of water-fuel device  
  *Nor Razuana Binti Amram, and Mahiah Binti Said.*  
  Universiti Tenaga Nasional (UNITEN) |

**1300 – 1400**  
**Lunch and Prayer**
### Day 1

#### 26th MAY (Tuesday)

**PARALLEL SESSION 2A**

**Venue:**

**Chairperson:** Assoc. Prof. Dr Md Hazrat Ali

(Time shown includes Paper Presentation, and Questions and Answers)

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper Title</th>
</tr>
</thead>
</table>
| 1400 – 1415 | Paper ID 160: Evaluation of gross pollutant traps (GPTs) for open channel system  
Norhan Abd Rahman, Noraliani Alias, Noor Suraya Romali and Norasman Othman  
Universiti Teknologi Malaysia (UTM) |
| 1415 – 1430 | Paper ID 121: Removal of foam flow sea water used as the cooling water of a coal-fired power plant  
Gyeongsang National University, Jinju, Gyeongnam, Korea |
| 1430 – 1445 | Paper ID 124: Biogas production from agrowaste  
N. Zaino, J. Salihon and R. Abdul-Rahman  
Universiti Malaysia Pahang (UMP) |
| 1445 – 1500 | Paper ID 157: Water quality variation of the upper part of Johor river in relation to rainfall and runoff pattern  
Ayob Katimon and Hasmiza Hamza  
Universiti Teknologi Malaysia (UTM) |
| 1500 – 1515 | Paper ID 119: urification of contaminated river with subsurface flow constructed wetland  
Gyeongsang National University, Jinju, Gyeongnam, Korea |
| 1515 – 1530 | Paper ID 173: Water lettuce and water hyacinth as lestari medium for industrial petrochemical wastewater treatment  
Abdul Syukor Abd Razak, Aimi Ilmar Ramli, Suryati Sulaiman, Noor Suraya Romali, and Nur Hidayah Mohmad.  
Universiti Malaysia Pahang (UMP) |
| 1530 – 1545 | Refreshment |
## Day 1

**26th MAY (Tuesday)**  
**PARALLEL SESSION 2B**  
**Venue: EMERALD ROOM**  
**Chairperson: Assoc. Prof. Dr Rozi Abdullah**

(Time shown includes Paper Presentation, and Questions and Answers)

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper Title</th>
</tr>
</thead>
</table>
| 1400 – 1415| Paper ID 111: The miracle of water from quranic revelations  
*Hj. Norakyairee bin Mohd Raus, Rabiatul Adawiyah binti Mohd, Kauthar binti Abdul Kadir, and Noornajihan binti Jaafar*  
*Universiti Sains Islam Malaysia (USIM)* |
| 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  
*Maryam Ghashghaie, Ali Bagheri, and Amin Sarang*  
*Tarbiat Modares University, Tehran, Iran.* |
| 1430 – 1445| Paper ID 98: Development of an expert system prototype to monitor surface water quality during construction activities  
*Leila Ooshaksaraie, Noor Ezlin Ahmad Basri, Othman Jaafar, and Khairul Nizam Abdul Maulud*  
*Universiti Kebangsaan Malaysia (UKM)* |
| 1445 – 1500| Paper ID 115: Feasibility to use aero-infiltration in measuring of the infiltration rate and soil moisture content  
*Mohamad Ali Fulazzaky, Amir Hashim Mohd. Kassim and Ismail Ibrahim*  
*Universiti Tun Hussein Onn Malaysia (UTHM)* |
| 1500 – 1515| Paper ID 89: Simultaneous layout and pipe size optimization of pressurized irrigation water distribution networks using hybrid ACO/LIDM method  
*B. S. Kashkooli, and M.J. Monem*  
*The University of Tarbiat Modarress, Tehran, Iran* |
| 1515 – 1530| Paper ID 127: Effort towards rehabilitation of Bunut lake Sarawak  
*Alexander K. Sayok, Sapuan Ahmad, Lau Seng, and Rahim Nik*  
*Universiti Malaysia Sarawak (UNIMAS)* |
<p>| 1530 – 1545| Refreshment                                                                                                                                     |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Paper Title</th>
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</thead>
</table>
| 1400 – 1415| Paper ID 88: Development of a Non-linear Theoretical Model Based on Artificial Neural Network for Water Quality Prediction  
A. Najah, A. El-Shafie and O. A. Karim  
University Kebangsaan Malaysia (UKM) |
Kuok King Kuok, Sobri Harun and Siti Mariyam Shamsuddin  
Universiti Teknologi Malaysia (UTM) |
Burairah Hussin, Abdul Samad Shibghatullah and Siti Azirah Asmai  
Universiti Teknikal Malaysia Melaka (UTeM) |
| 1445 – 1500| Paper ID 70: Daily reservoir inflow forecasting using adaptive neuro-fuzzy inference systems  
Shahram Karimi-Googhari and Teang Shui Lee  
Shahid-Bahonar University of Kerman, Kerman, I.R. Iran |
| 1500 – 1515| Paper ID 186: Classification Between Normal And osteoporotic Cancellous  
Yuslinda Mad Yusop and Habibollah Haron  
Universiti Teknologi Malaysia (UTM) |
| 1515 – 1530| Paper ID 187: Optimizing the management of soil erosion in orazan Sub-basin, Iran  
Mahdi Vafakhah, and Mohsen Mohseni Saravi  
Tarbiat Modares University, Iran |
| 1530 – 1545| Refreshment                                                                                                                                 |
### Day 1

**26th MAY (Tuesday)**

**PARALLEL SESSION 3A**

**Venue:** THE BAYVIEW BALLROOM

**Chairperson:** Dr Zulhilmi Ismail

(Time shown includes Paper Presentation, and Questions and Answers)

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper Title</th>
</tr>
</thead>
</table>
| 1545 – 1600 | Paper ID 182: Hydrogeology and groundwater balance of Shahriar aquifer. *Leila Khodapanah, and Wan Nor Azmin Sulaiman*  
*Universiti Putra Malaysia (UPM)* |
*Universiti Tun Hussein Onn Malaysia (UTHM)* |
| 1615 – 1630 | Paper ID 201: Institutionalization for management transfer. *Ghasemi, A’ Sumiani, Y.*  
*University of Malaya.* |
*University of Tehran, Iran* |
| 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. *Cheng Seong Khor, Pei Chie Leong, Norliza Bt Abang Zamhari, and Siti Norzamiah Bt Nadzmi*  
*Universiti Teknologi PETRONAS* |
*Universiti Tun Hussein Onn Malaysia (UTHM)* |
| 1715-1730 | Paper ID 148: Climate change impacts on the water industry: Malaysian water treatment operator’s perspective. *P.B. Lim, Nor Atiza M. A., Noorazamimah A. A. and Ayu A. M. Y*  
*Puncak Niaga (M) Sdn Bhd* |
| 1730-1745 | Paper ID 179: Simulation of MOFAT for light non aqueous phase liquid (LNAPL) in the unsaturated zone. *Samira Albati Kamaruddin, Wan Nor Azmin Sulaiman, Norhan Abd Rahman, And Mohamad Pauzi Zakaria*  
*Universiti Teknologi Malaysia (UTM)* |
# Day 1

**26th MAY (Tuesday)**

**PARALLEL SESSION 3B**

**Venue: EMERALD ROOM**

**Chairperson: Dr Noor Baharim Hashim**

(Time shown includes Paper Presentation, and Questions and Answers)

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper Title</th>
</tr>
</thead>
</table>
University of Malaya, Malaysia. (UM)                                                                                                            |
Universiti Teknologi Malaysia. (UTM)                                                                                                            |
| 1615 – 1630| Paper ID 65: Hydraulic model studies on the impact of vehicles on flooding in urban areas
Fang Yenn Teo, Roger A. Falconer and Binliang Lin
Cardiff University, United Kingdom.                                                                                                              |
| 1630 – 1645| Paper ID 156: Development and Applications of flood hazard map for Damansara River, Selangor, Malaysia
Sabri Abdul Mulok, Ir. Shukri Muslim, Norhan Abd. Rahman, Sobri Harun and Abd. Jalil Hassan
Department of Irrigation and Drainage, Malaysia. (DID)                                                                                           |
| 1645-1700  | Paper ID 203: Modeling riparian buffer zone for improving water quality and quantity
Said Hassan Matan, Ayob bin Katimon, and Supiah Shamsudin
Universiti Teknologi Malaysia (UTM)                                                                                                             |
| 1700-1715  | Paper ID 73: Water delivery optimization program, of Jiroft Dam irrigation networks, by using genetic algorithm
Rahnama Mohamad Bagher, and Jahanshae Payman.
University of Kerman, Iran.                                                                                                                    |
| 1715-1730  | Paper ID 202: Integrated river basin management (IRBM) hyrologic Modelling using HEC-HMS for Sungai Kurau basin Perak
Zorkeflee Abu Hasan, Nuramidah Hamidon and Mohd Suffian
Universiti Sains Malaysia (USM)                                                                                                                  |
Mohd Fauzi bin Mohamad, Norhan Abd Rahman, and Abd Jalil Hassan
National Hydraulic Research Institute Of Malaysia (NAHRIM)                                                                                      |
### Day 1

**26th MAY (Tuesday)**

**PARALLEL SESSION 3C**

**Venue: DIAMONDS ROOM**

**Chairperson: Assoc. Prof. Dr Sobri Harun**

(Time shown includes Paper Presentation, and Questions and Answers)

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper Title</th>
</tr>
</thead>
</table>
| 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  
Khairul Rahmah Ayub, Lai Sai Hin & Hamidi Abd Aziz  
Universiti Sains Malaysia (USM)                                                                 |
| 1600 – 1615 | Paper ID 102: Drought disaster management with use of watershed management science  
Mehdi shafaghati, and foroud sharifi  
Islamic azad university science and research branch Tehran                                                                                   |
| 1615 – 1630 | Paper ID 84: Soil moisture monitoring by using budget model in a changing climate (case study : Isfahan-Iran)  
Sayed Masood Mostafavi Darani, Gholam ali Kamali, and Mohammad Rahimi  
I.R.IRAN meteorological organization                                                                                                           |
| 1630 – 1645 | Paper ID 69: Daily pan evaporation estimation using artificial neutral network based models  
Shahram Karimi-Googhari and Teang Shui Lee  
Shahid-Bahonar University of Kerman, Kerman, I.R. Iran                                                                                     |
| 1645-1700  | Paper ID 108: Determination of Mercury in environmental samples in Muar river estuary  
International Islamic University of Malaysia (IIUM)                                                                                           |
| 1700-1715  | Paper ID 112: Assessment of water availability from Lenggong catchment  
Mohd Nordin Adlan, Mohd Yusof Mohd Isa, Mohamed Hasnain Isa, Rezaur Rahman Bhuiyan and Nasiman Sapari  
Universiti Teknologi PETRONAS                                                                                                                  |
| 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  
Zalilah Selamat And Nurailah Abdillah  
National Hydraulic Research Institute of Malaysia (NAHRIM)                                                                                     |
Nadiatul A. Abdul Ghani, Mohamed A. Shahn, and Hamid R. Nikraz  
Curtin university of Technology                                                                                                                |
### Day 1 (Night)

**26th May 2009 (Tuesday)**

**Venue:**

**DINNER**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1945 – 2000</td>
<td>Arrival of Participants</td>
</tr>
<tr>
<td>2000 – 2200</td>
<td>Dinner</td>
</tr>
</tbody>
</table>

### 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 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”** |
<p>| 1030 – 1045 | Refreshments                                      |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Paper Title</th>
</tr>
</thead>
</table>
| 1045 - 1100 | Paper ID 114: Comparison of wave hindcasting of linear wave theory and SWAN modelling at Batu Pahat river estuary  
Norazlina Bateni, Dr. Noor Baharim Hashim, Juwita Asfar and Onni Suhaiza Selaman  
Universiti Malaysia Sarawak (UNIMAS)                                                                                           |
| 1100 – 1115 | Paper ID 126: Impact of climate change and its variability on the rainfall pattern in Sarawak river basin  
Charles Bong Hin Joo, Ting Sie Yew, Rosmina Ahmad Bustami, and Frederik Josep Putuhena  
Universiti Malaysia Sarawak (UNIMAS)                                                                                           |
| 1115 – 1130 | Paper ID 128: Laboratory study on effects of vegetations in the open channel hydraulic roughness (Pennisetum purpureum and ipomoea aquatica)  
Noor Aliza Bt. Ahmad, Dwi Tjahjanto, Zarina Md Ali, Nur Shaylinda and Muhammad Asyraff Bin Shakhar  
Universiti Tun Hussein Onn Malaysia (UTHM)                                                                                     |
| 1130 – 1145 | Paper ID 71: Visualisation of flow at the headland-generated recirculation zone  
Tang Fu Ee  
Curtin University of Technology Sarawak Campus                                                                                   |
| 1145 – 1200 | Paper ID 139: An experimental study on the flow characteristics in straight compound channels  
Zulkilflee Ibrahim, Zulhilmi Ismail, Sobri Harun, Koji Shiono, Mohd Fauzi Marzuki, Mohd Azizi Abdul Aziz and Normazwan Shah Anas  
Universiti Teknologi Malaysia (UTM)                                                                                             |
| 1200 – 1215 | Paper ID 141: Impact of climate change on sediment loads transport in a watershed scale: A case study  
Mohammad Karamouz, Behzad Rouhanizadeh, Masoud Taheriyoun, and Farzad Emami  
University of Tehran, Tehran, Iran                                                                                               |
| 1215 – 1230 | Paper ID 185: MRI edge detection using canny method  
Zolqernine Othman, Habibollah Haron, Mohammed Rafiq Abdul Kadir  
Universiti Teknologi Malaysia (UTM)                                                                                              |
| 1230 – 1245 | Paper ID 188: Integrated river basin management for Klang river basin  
Wong Wai Sam, Chop Ai Kuang, and Nik Mohd. Kamel. Nik Hassan  
Dr. Nik & Associates Sdn. Bhd                                                                                                   |
| 1245 - 1300 | Paper ID 189: Hybrid radial basis function network for classification problems  
Sultan Noman Qasem, and Siti Mariyam Hj. Shamsuddin  
Universiti Teknologi Malaysia (UTM)                                                                                              |
<p>| 1300 – 1400 | Lunch and Prayer                                                                                                                                                                                             |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Paper Title</th>
</tr>
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<tbody>
<tr>
<td>1045 - 1100</td>
<td>Paper ID 180: Discretization paradigm through diversity: an overview</td>
</tr>
<tr>
<td></td>
<td>Yun-Huoy Choo, Azah Kamilah Muda, and Siti Mariym Shamsuddin</td>
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<tr>
<td></td>
<td>Universiti Teknikal Malaysia Melaka (UTeM)</td>
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<tr>
<td>1100 – 1115</td>
<td>Paper ID 176: Modular Kohonen network for classification problems</td>
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<tr>
<td></td>
<td>Zuriahati Mohd Yunos, Siti Mariym Hj. Shamsuddin, Anazida Zainal &amp;</td>
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<td></td>
<td>Norfadzila Mohd Yusof</td>
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<td></td>
<td>Universiti Teknologi Malaysia (UTM)</td>
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<tr>
<td>1115 – 1130</td>
<td>Paper ID 174: The cellular selection mechanism for multi solution NP-hard</td>
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<tr>
<td></td>
<td>optimization problems</td>
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<tr>
<td></td>
<td>Hossein Rajabalipour Cheshmehgaz, Habibollah Haron and Muhammad</td>
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<td>Ikhwan Jambak</td>
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<td>Universiti Teknologi Malaysia (UTM)</td>
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<tr>
<td>1130 – 1145</td>
<td>Paper ID 95: Regional hydrological drought forecasting using cellular</td>
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<tr>
<td></td>
<td>automata</td>
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<tr>
<td></td>
<td>Shahab Araghinejad, Mohammad Reza Najafi,and Mohammad Bashirzadeh@</td>
</tr>
<tr>
<td></td>
<td>University of Tehran, Iran</td>
</tr>
<tr>
<td>1145 – 1200</td>
<td>Paper ID 153: Prediction of Scour around hydraulic structure using soft</td>
</tr>
<tr>
<td></td>
<td>computing techniques</td>
</tr>
<tr>
<td></td>
<td>H. Md. Azamathulla, Aminuddin Ab Ghani, Nor Azazi Zakaria, Leow C Siang</td>
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<tr>
<td></td>
<td>and Chang C Kiat</td>
</tr>
<tr>
<td></td>
<td>Universiti Sains Malaysia,(USM)</td>
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<tr>
<td>1200 – 1215</td>
<td>Paper ID 190: Concept -based learning object classification using artificial</td>
</tr>
<tr>
<td></td>
<td>neural network</td>
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<tr>
<td></td>
<td>Norsham Idris, Norazah Yusof,and Puteh Saad</td>
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<td></td>
<td>Universiti Teknologi Malaysia (UTM)</td>
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<tr>
<td>1215 – 1230</td>
<td>Paper ID 191: Application of a Dss-based model for improvement in water</td>
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<td></td>
<td>demand management : A case study</td>
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<td></td>
<td>Mohammad Karamouz , Asghar Elyasi,and Saleh Ahmadinia</td>
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<td></td>
<td>University of Tehran, Tehran, Iran</td>
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<tr>
<td>1230 – 1245</td>
<td>Paper ID 154: Rivers Ranking using Fuzzy analytic hierarchy process</td>
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<tr>
<td></td>
<td>Mohamad Ashari Alias, Supiah Shamsudin and Siti Zaiton Hashim</td>
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<td></td>
<td>Universiti Teknologi Malaysia (UTM)</td>
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<tr>
<td>1245 - 1300</td>
<td>Paper ID 165: Deposition of sediments in detention pond.</td>
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<td></td>
<td>Mazlina Alang Othman, Tarmizi Ismail, Abu Bakar Fadzil,and Norleen Fariza</td>
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<td>Abdul Mulok.</td>
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<td></td>
<td>Universiti Teknologi Malaysia. (UTM)</td>
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<tr>
<td>1300 – 1400</td>
<td>Lunch and Prayer</td>
</tr>
<tr>
<td>Time</td>
<td>Paper Title</td>
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<td>------------</td>
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</tbody>
</table>
| 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.  
  Lariyah M.S., Mohd Nor M.D, Zulkefli, M.Norazizah, A.K.Idris, Y.Hezrin Haslinda H., and Amirah Hanim M.P.  
  Universiti Tenaga Nasional (UNITEN) |
| 1100 – 1115| Paper ID 151: Convective Rainfall characteristics in Ampang, Selangor.  
  Nordila A., Zulkifli Y. and Zalina MD  
  Universiti Teknologi Malaysia (UTM) |
  Liew Yuk San, Zalilah Selamat and Aminuddin Abd Ghani  
  National Hydraulic Research Institute of Malaysia (NAHRIM) |
| 1130 – 1145| Paper ID 162: The potential of recharge well system in flat area with low infiltration rate.  
  Sabariah Musa, Nor Azazi Zakaria, Dwi Tjahjanto, and Lai Sai Hin  
  Universiti Tun Hussein Onn Malaysia (UTHM) |
| 1145 – 1200| Paper ID 184: Reconstruction of volume and spread of flood water in velachery area through field investigation.  
  S.Suriya, Gopinath, B.V.Mudgal, and K.Karunakaran  
  Anna University, Chennai, India |
| 1200 – 1215| Paper ID 193: Operational flood forecasting using flussgebietsmodell (FGM) Model in Chindwin River basin, Myanmar  
  Win Win Zin, F. Nestmann, and J. Ihringer  
  Yangon Technological University, Myanmar |
| 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)  
  Rozi Abdullah, Sina Alaghmand and Ismail Abustan  
  Universiti Sains Malaysia. (USM) |
| 1230 – 1245| Paper ID 198: Study on effectiveness of automatic sliding gate to control backwater  
  Noor Azim B. Kamaruddin and Dwi Tjahjanto  
  Universiti Tun Hussein Onn Malaysia (UTHM) |
| 1245 - 1300| Paper ID 205: Investigating drought index due to the climate change effect  
  Nurul Adzura Ismail, Sobri Harun and Zaki Mat Amin  
  Universiti Teknologi Malaysia.(UTM) |
| 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper Title</th>
</tr>
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</table>
**Norsaliza Usali and Mohd Hasmadi Ismail**  
*Universiti Putra Malaysia (UPM).* |
| 1415 – 1430| Paper ID 53: Climate change exploration in Muda Irrigation Scheme.  
**Md. Hazrat Ali and Sobri Harun**  
*Universiti Teknologi Malaysia (UTM).* |
**Nur Aisyah Bte Kamarulzaman, Sheriza Mohd Razali, and Ahmad Ainuddin Nuruddin**  
*Universiti Putra Malaysia (UPM).* |
| 1445-1500  | Paper ID 66: Multi-lead water level forecasting of Johor river at Rantau Panjang station utilizing artificial neural network  
**M. Sulaiman, A. El-Shafie, O. Karim, and H. Basri**  
*Universiti Malaysia Pahang (UMP).* |
**Norazlina Bateni, Dr. Noor Baharim Hashim, Juwita Asfar, and Onni Suhaiza Selaman**  
*Universiti Malaysia Sarawak (UNIMAS).* |
| 1515-1530  | Paper ID 204: Characterization of total suspended solids, COD and oil & grease in stormwater runoff from industrial site  
**M.F. Chow, and Z. Yusop**  
*Universiti Teknologi Malaysia (UTM).* |
| 1530-1545  | Paper ID 200: Prediction of natural slope stability in fraser hill catchment based on deterministic model under different precipitation threshold.  
**Mohd. Hafiz Rosli, Wan Nor Azmin Sulaiman, and Mohd. Armi Abu Samah**  
*Universiti Putra Malaysia (UPM).* |
| 1545-1600  | Paper ID 85: A hybrid simulation/optimization model for reservoir operation under drought conditions.  
**Keyvan Asghari, Mansour Ganji, and Hesam Kiani**  
*Isfahan University of Technology, Isfahan, Iran.* |
<p>| 1600-1615  | <strong>Refreshments</strong>                                                                                                                                  |</p>
<table>
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<tr>
<th>Time</th>
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</thead>
</table>
  *Shahram Karimi-Googhari and Teang Shui Lee*  
  *Shahid-Bahonar University of Kerman, Kerman, I.R. Iran* |
  *Wan Afnizan bin Wan Mohamed, Katayon Saed, Nur Shaylinda binti Mohd Zin, and Mohd Adib bin Mohammad Razi*  
  *Universiti Tun Hussein Onn Malaysia (UTHM)* |
| 1430 – 1445 | Paper ID 214: Hydrodynamic and salinity transport model in an estuarine system  
  *Noor Baharim Hashim, Nuryazmeen Farhan Haron and Maznah Ismail*  
  *Universiti Teknologi Malaysia (UTM)* |
| 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.  
  *Mas Rahayu Jalil, Mohd. Hairul Khamidun, Sabariah Musa, Siti Nazahiyah Rahmat, and Zarina Md. Ali*  
  *Universiti Tun Hussein Onn Malaysia (UTHM)* |
| 1500-1515 | Paper ID 100: Numerical simulation of coastal pollution in Sungai Johor estuarine system.  
  *Noor Baharim Hashim, Razali Ismail, Maznah Ismail and Nuryazmeen Farhan Haron*  
  *Universiti Teknologi Malaysia (UTM)* |
  *Tang Fu E*  
  *Curtin University of Technology Sarawak Campus* |
  *Debbie Deborah Paka, Ling Teck Yee, Lee Nyanti, Norhadi Ismail and Justin Jok Jau Emang*  
  *Universiti Malaysia Sarawak (UNIMAS)* |
| 1545-1600 | Paper ID 219: Removal of sodium sulfide from waste water by aeration in the presence of ultrasonic vibration.  
  *Lintang, Naveed Ahmad and Saikat Maitra*  
  *University Teknologi PETRONAS* |
<p>| 1600-1615 | <strong>Refreshments</strong>                                                                                                                                                                                                 |</p>
<table>
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<tr>
<th>Time</th>
<th>Paper Title</th>
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</thead>
</table>
| 1400 – 1415| Paper ID 211: Issues and challenges towards integrated river basin management in cameron highlands, Malaysia  
*Tan Kok Weng and Mazlin B. Mokhtar*  
*National University of Malaysia (UKM)* |
| 1415 – 1430| Paper ID 209: Hydrograph separation for small oil palm catchment based on isotopes, silica and graphical approaches  
*Geoffery James Gerusu, Zulkipli Yusop, Wan Zakaria Wan Md Tahir, Lakam Mejus, Johari Abd Latif, and Juhari Muhd Yusof*  
*Universiti Teknologi Malaysia (UTM)* |
| 1430 – 1445| Paper ID 60: Sediment control of the pump-station intake with submerged vanes.  
*Samad Emamgholizadeh*  
*Shahrood University, IRAN* |
*Zulhilmi Ismail and Koji Shiono*  
*Universiti Teknologi Malaysia (UTM)* |
| 1500-1515  | Paper ID 143: Sediment Yield Analysis For Johor River Basins  
*Supiah bt Shamsudin, Nazuha Ab Bakar, and Azmi Ab Rahman*  
*Universiti Teknologi Malaysia (UTM)* |
| 1515-1530  | Paper ID 208: Impact of Climate Change on The Meltwater Discharge of The Chhota Shigri Glacier, Himachal Pradesh, India  
*AL. Ramanathan, Parmanand Sharma, Anurag Linda, and Jose George*  
*Pottakkal*  
*Jawaharlal Nehru University, New Delhi, India* |
*Edward Andre*  
*Edith Cowan University* |
| 1545-1600  | Paper ID 144: A Stochastic Approach for Stormwater Detention Pond Design at Iskandar Malaysia, Johor.  
*Supiah Shamsudin, Zainiah Mohd Zin, Azmi Ab Rahman, and Salisu Dan'azumi*  
*Universiti Teknologi Malaysia (UTM)* |
| 1600-1615  | **Refreshments**                                                                                                                                                                                                |
### Day 2

**27th May 2009 (Wednesday)**

**Venue:** THE BAYVIEW BALLROOM

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>1615 – 1630</td>
<td>Arrival of Participants</td>
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<td>1630 – 1640</td>
<td>Recital of Doa</td>
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<tr>
<td>1640 - 1700</td>
<td>Closing Ceremony / Photo Session</td>
</tr>
</tbody>
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### Day 3

**28th May 2009 (Thursday)**

½ Day Edu-Tourism Tour

Optional