

2nd Announcement

13th INTERNATIONAL CONFERENCE ON URBAN DRAINAGE

ICUD2014

Kuching, Sarawak, Malaysia

13th International Conference on Urban Drainage (ICUD), 2014

**Urban Drainage in the Context of Integrated Urban Water Management:
A Bridge Between Developed and Developing Countries**

7th - 12th September, 2014

Borneo Convention Centre Kuching (BCCCK), Sarawak, Malaysia

Organised by:



Co- Organised by:



Approved by:



**International
Water Association**



Supported by:



Official Airline:



Local Organising Committee (LOC)

ADVISOR

Dato' Sri Zol Azha bin Yusof
Datuk Ir. Hj. Ahmad Husaini bin Sulaiman

CHAIRMAN

Dato' Ir. Nordin bin Hamdan (DID Malaysia)

CO-CHAIRMAN (TECHNICAL)

Prof. Ir. Dr. Hj. Mohamed Nor bin Mohamed Desa

SECRETARY

Mr. Low Koon Sing (DID Malaysia)

MEMBERS

Prof. David Butler (England)
Prof. Peter Steen Mikkelsen (Denmark)
Prof. Jiri Marsalek (Canada)
Dato' Ir. Zainor Rahim bin Ibrahim (DID Malaysia)
Ir. Wong Siu Hieng (DID Sarawak)
Assoc. Prof. Ir. Dr. Lariyah binti Mohd. Sidek (UNITEN)
Ms. Rosmina binti Ahmad Bustami (UNIMAS)
Prof. Dr. Aminuddin bin Ab. Ghani (USM)
Associate Prof. Dr. Sobri bin Harun (UTM)
Dr. Mohamed Roseli bin Zainal Abidin (DID Malaysia)
Dato' Ir. Ahmad Fuad bin Embi
Mr. Idris bin Yusoff (DID Malaysia)
Ir. Hj. Abdullah bin Isnin (DID Malaysia)
Ir. Hj. Salmah binti Mohd. Soom (DID Malaysia)
Mr. Alan Tan Khiok Chun (DID Sarawak)
Mr. Bartholomew Emily Ayu (DID Sarawak)

International Scientific Committee

- David Butler, University of Exeter, UK
- Hiroaki Furumai, Japan
- Jean-Luc Bertrand-Krajewski, Lyon University - France
- Jiri Marsalek, National Water Research Institute - Canada
- Neil Armitage, University of Cape Town - South Africa
- Nilo De Oliveira Nascimento, UFMG - Brazil
- Peter Steen Mikkelsen, Denmark
- Richard Ashley, University of Sheffield - UK
- Thomas Einfalt, Hydro & Meteo GMBH & Co. Kg - Germany
- Tim Fletcher, Australia
- Van-Thanh-Van Nguyen, Canada
- Shahbaz Khan, UNESCO
- Lui Heng, China
- Guillermo Q. Tabios Iii, Philippines
- James Ball, Australia
- Dennis Jamieson, New Zealand
- P.R. Rakhecha, India
- V.P. Singh, USA
- Simon Beecham, Australia
- Hidayat Pawitan, Indonesia
- Tosaka Hiroyuki, Japan
- Liong Shie-Yui, Singapore
- A. W. Jayawardena, Japan
- Arduino Giuseppe, UNESCO
- Wolfgang Rauch, Austria
- Slobodan Djordjevic UK
- Geoffrey O'loughlin, Australia
- Alberto Campisano, Italy
- Karsten Ambjerg Nielsen, Denmark
- Bernard Chocat, France
- Daniel Schertzer, France
- Kapil Gupta, India
- Manfred Schuetze, Germany
- Patrick Willems, Belgium
- Abdin Salih, UNESCO France
- Bryan Ellis, England
- Simon Tait, England
- Tony Wong, Australia
- Assela Pathirana, Holland
- Ana Deletic, Australia
- Sarantuyaa Zandaryaa, UNESCO
- Mohamed Nor bin Mohamed Desa, Malaysia
- Amir Hashim bin Mohd. Kassim, Malaysia
- Suhaimi bin Abdul Talib, Malaysia
- Aminudin bin Abd. Ghani, Malaysia
- Lariyah binti Mohd. Sidek, Malaysia
- Nor Azazi bin Zakaria, Malaysia
- Ismail bin Abustan, Malaysia
- Roslan bin Zainal Abidin, Malaysia
- Wan Mokhtar bin Nawang, Malaysia
- Marlinda binti Abdul Malek, Malaysia
- James Lau, Malaysia
- Asnor Muizan bin Ishak, Malaysia
- Teo Fang Yenn, Malaysia

Call for Abstracts

13th ICUD 2014 welcomes the submission of abstracts for consideration as oral or poster presentations.

MAIN TOPIC

- Urban hydrology & hydraulics
- Urban stormwater technology
- Institutional, managerial & legal issues

**For more information, please visit the Conference Website: www.13icud2014.com*

All abstracts must be submitted online and accompanied with a registration.

Abstract submission dateline	1st November 2013 (2-page extended abstracts)
Acceptance of abstract	15th December 2013
Full paper submission	1st February 2014
Acceptance of full paper	1st May 2014

Note: Selected papers will be peer reviewed for publication in IWA Publishing's journals. Water Science and Technology, Water Science and Technology; Water Supply, or Water Practice and Technology.

Selected papers will be published in the Urban Water Journal.

Objectives

- To enhance understanding of complex issues in integrated urban drainage and urban water management.
- To expose local professional, scientists, researchers, NGO's to state-of-the-art in urban drainage practice.
- To increase local capacity to conduct research and development in urban drainage/hydrology by employing latest ecofriendly, soft and sustainable technology.
- To enhance networking with related international bodies and showcase Malaysia's research and development outputs.

Awards

1. Poul Harremoës Award
2. Career Achievement Award
3. Mid-Career Achievement Award
4. Sustainable Urban Drainage Systems Award (Malaysian Only)

Programme at a Glance

TIME	7 TH SEPTEMBER (SUNDAY)	8 TH SEPTEMBER (MONDAY)	9 TH SEPTEMBER (TUESDAY)	10 TH SEPTEMBER (WEDNESDAY)	11 TH SEPTEMBER (THURSDAY)	12 TH SEPTEMBER (FRIDAY)		
0800 - 0830	Pre- Registration and Pre-Conference Workshop	Registration						
0830 - 0900								
0900 - 0930		Opening Ceremony	Keynote 3	Oral Session 5	Oral Session 7	Oral Session 11		
0930 - 1000			Tea Break & Tour of Booths					
1000 - 1030		Keynote 1	Keynote 4	Tea Break & Tour of Booths				
1030 - 1100		Tea Break & Tour of Booths	Oral Session 3	Oral Session 6	Oral Session 8	Oral Session 12		
1100 - 1240		Poul Harremoës Session						
1240 - 1340		Lunch & Tour of Booths						
1340 - 1400		Oral Session 1	Poster Session	Technical Tour	Poster Session	Closing Ceremony		
1400 - 1410								
1410 - 1430		Keynote 2	Keynote 5		Oral Session 9			
1430 - 1500								
1500 - 1530		Tea Break & Tour of Booths			Tea Break & Tour of Booths			
1530 - 1700		Oral Session 2	Oral Session 4		Oral Session 10			
1900 - 2200				Gala Dinner				

Registration Guideline

To Register

Please register online at the Conference Website: www.13icud2014.com OR complete the registration form and fax to the Conference Secretariat (Fax: 603-2161 6560).

Membership Associations	Delegate Origin	Early Registration (On and before 1st June 2014)	Normal Registration (After 1st June 2014)
IWA/ IAHR members	From High Income Countries	RM2,380	RM3,000
	From Low Income Countries	RM1,065	RM1,450
Non IWA or IAHR members	From High Income Countries	RM3,000	RM3,700
	From Low Income Countries	RM1,200	RM1,600
	Student	RM560	RM750
	Accompanying Persons	RM560	RM650

* Estimated exchange rate 1 USD = RM3.24

The registration fees includes:

- Lunch during the conference
- Gala Dinner
- Local technical tour

Accompanying Person. The registration fees include:

- Kuching City Tour
- Gala Dinner

*The category doesn't allow access to the session and lectures

• Association for registration as members: IWA (International Water Association) and IAHR (International Association for Hydro-Environment Engineering), MSO (Malaysian Stormwater Organisation)

Registration Cancellation and Refund Policy

All cancellations must be made in writing to the Secretariat.

Refunds will be made after the Conference.

- Cancellation postmarked before or on **4th July 2014** : 50% REFUND
- Cancellation postmarked after **4th July 2014** : NO REFUND

*Paid registration fee is not refundable after the stipulated dates for whatever reasons, including failure of obtaining visa.

EARLY Registration Deadline: 1st June 2014

Hotel Information

Pullman Kuching Hotel ★★★★★

No 1A Jalan Mathies, 93100 Kuching, Sarawak
Tel: +60-82-222888 Fax: +60-82-222999
Contact Person: Ms Suriatty Sani
Email: H6332-SL16@accor.com

Hilton Kuching Hotel ★★★★★

Jalan Tunku Abdul Rahman, 93100 Kuching, Sarawak.
Tel: +60-82-2223816 Fax: +60-82-223986
Contact Person: Ms Deborah Ong
Email: deborah.ong@hilton.com

Four Points by Sheraton Hotel ★★★★★

Lot 3186 – 3187 Block 16, KCLD, Jalan Lapangan Terbang Baru
93350 Kuching, Sarawak
Tel: +60-82-280888 Fax: +60-82-280650
Contact Person: Ms Afreda Aleng
Email: Afreda.Aleng@fourpoints.com

Riverside Majestic Hotel ★★★★★

Jalan Tunku Abdul Rahman, P.O.Box 2928, 93756 Kuching, Sarawak
Tel: +60-82-247777 Fax: +60-82-425858
Contact Person: Ms Goh Siew Hoong
Email: siewhoong@centraloffice.my

Grand Margherita Hotel ★★★★★

Jalan Tunku Abdul Rahman, 93100 Kuching, Sarawak
Tel: +60-82-423111 Fax: +60-82-426169
Contact Person: Ms Goh Siew Hoong
Email: siewhoong@centraloffice.my

Please log on to www.13icud2014.com for hotel booking and more information

Note: All services stipulated above is subject to availability at the time of booking / reservation.

Technical Tours

1) Bau Town Flood Mitigation Project, Kuching, Sarawak

The flood mitigation concept in Bau Town is bunding and pumping. The overflow flood water from Bau River is separated with bund or flood wall. The local rainfall and runoff within the banded area will be collected in the detention pond.

2) Centralised Sewerage System for Kuching City

The project covers an area south of the Sarawak River which is fully developed and densely populated. The works are categorised into 3 main components, namely:

- Wastewater Treatment Plant
- Sewer Network
- Property Connection

3) Sarawak River Barrage and Shiplock

Sarawak River Barrage and Shiplock is one of the 4 components of the Sarawak River Regulation Scheme [SRRS] consisting of:

- Bako Causeway
- Pending Causeway
- 6 units of rainfall and water level telemetry stations in the Sarawak River catchment
- The Barrage & Shiplock
- 18 unit of rainfall telemetry stations are equipped with early flood warning system were installed in December 2005

4) Stormwater Management Facilities at East Campus, UNIMAS

Department of Irrigation and Drainage (DID) has adopted Urban Stormwater Management Manual for Malaysia locally known as Manual Saliran Mesra Alam (MSMA) for drainage planning and approval. DID has collaboration with Universiti Malaysia Sarawak (UNIMAS) to implement a pilot project in UNIMAS campus called Proposed Stormwater Management Facilities at East Campus, UNIMAS. The project involved construction of vegetated roof, porous pavement and vegetated ecological swale.

Pre & Post Tours Information



SARAWAK RIVER CRUISE (1½ hour trip)

Pick up time: 1630hrs
A Cruise on this main waterway is a fun way to see the different faces of Kuching. On one bank is the hustle and bustle of a modern city while on the other lies the more relaxed kampungs (Malay Villages).

SEAT-IN-COACH: RM 85 per adult
PRIVATE TOUR: RM 105 per adult



KUCHING CITY TOUR (Half day)

Pick up time: 0830hrs / 1330hrs
Join us on a tour of this unique city with her Old World charm. Sightings include the Tua Pek Kong Chinese Temple, the Square and Round Towers, the Judicial Courts and the high columned General Post Office – a legacy of the Colonial era. * Stops include the Sarawak museum, the Cat Museum (closed Monday & Public holidays). Drive through the Waterfront offers a panoramic view of the majestic Istana (official residence of Sarawak Governor) and the Fort Margherita, the China town with a photo stop at the city mascot before returning to your hotel.

SEAT-IN-COACH: RM 60 per adult
PRIVATE TOUR: RM 75 per adult



SARAWAK CULTURAL VILLAGE (Half day)

Pick up time: 0830hrs / 1330hrs
Nested in the foothills of the legendary Mount Santubong lies the Sarawak Cultural Village. This interactive 'living museum' is an attraction not to be missed. The Village showcases the lifestyles of Sarawak's even major races – Iban, Chinese, Malay, Bidayuh, Melanau, Orang Ulu and Penan. Visit each 'house' and experience their colourful traditions and lifestyles. There is a music and dance performance at the air-conditioned theatre twice daily at 11:30 a.m. and 4:00 p.m.

Includes : Guided tour, entrance fee and 1 bottle drinking water.
SEAT-IN-COACH: RM 105 per adult
PRIVATE TOUR: RM 120 per adult



SEMENGGOH ORANG UTAN REHABILITATION SANCTUARY (Half day)

Pick up time: 0800hrs / 1400hrs
Just 30 minutes from the city, Semenggoh features an orchid nursery, a botanical research center and several gardens. The greatest attraction, however, is the wildlife rehabilitation sanctuary. This facility is not a zoo but it is home to some Orang Utans, Hornbills, a Honey Bear or two, Sea Eagles, Storks and numerous Gibbon. A favourite with visitors are the Orang Utans, some of which are taught survival skills and released back to their natural environments.

Feeding times are at 9:00 a.m. and 3:00 p.m. where even released Orang Utans sometime return for a free meal.
Includes : Guided tour, entrance fee and 1 bottle drinking water.

SEAT-IN-COACH: RM 80 per adult
PRIVATE TOUR: RM 90 per adult



WILDLIFE & NATURE WATCHING CRUISE (Half day)

Pick up time: 1600hrs
This tour takes you around the rivers of the Santubong Peninsula, offering you the chance of seeing some of Sarawak's fascinating wildlife. The cruise starts at the Sarawak Boat Club. From there your boat cruises to the mouth of the Santubong River, where trawaddy dolphins are often spotted. Your boat then roams the mangrove lined rivers looking for wildlife. As the light starts to fade we go in search of the rare proboscis monkey. Small groups are often seen in the treetops at the waters edge, settling down for the night. As dusk arrives we search for fireflies and crocodiles. Crocodiles are often seen on the mud banks and brightly shining crocodile eyes can be spotted when a torch light is passed over the river. After searching for crocodiles your boat proceeds further up river where fireflies gather at night. Watch the fireflies flying around the branches of the mangroves, momentarily lighting up the night sky.

Includes : Guided tour, cruise fee, and 1 bottle drinking water.
SEAT-IN-COACH: RM 220 per adult
PRIVATE TOUR: RM 275 per adult



BAKO NATIONAL PARK (Full day)

Pick up time: 0830hrs
Get close to nature with a day tour to Bako National Park. A half hour by road & half hour by boat ride along the mangrove coast brings you to one of the most ecologically diverse areas of Sarawak. Commonly spotted Bako inhabitants include the Proboscis Monkey, the Silvered Langur, the Bearded Pig as well as birds, insects and reptiles – the largest is the monitor lizard – no crocodiles!
Includes : Guided tour, entrance fee, boat fee, lunch and 1 bottle drinking water.

SEAT-IN-COACH: RM 220 per adult
PRIVATE TOUR: RM 270 per adult



ANNAH RAIS BIDAYUH LONGHOUSE (Full day)

Pick up time: 0830hrs
Bidayuh, the second largest ethnic group in Sarawak, is formerly known as the 'Land Dayak' and was once also known as the 'Engineers of Bamboo'. When making a visit to the Bidayuh longhouse, you will be able to see the splendid architecture of their longhouse, which were build mostly by bamboo.

Annah Rais is one of the most famous Bidayuh longhouse in Sarawak, which located about 100 km east from Kuching City and quite close to the Indonesian border. The excursion will take about one and a half-hour on the road. During your visit, you will also be able to view the villagers daily routine like rice pounding and winnowing, basket and mat weaving, bamboo carving, etc.

You will be brought into the most unique and important structure, the 'Baruk' or the head house, which situated in the middle of the longhouse. The Baruk was once used as a fort to protect the whole village from being attack. Inside the 'Baruk', you will be able to view real human skulls hanging around the fire place and also their sacred war drum.

Includes : Guided tour, entrance fee and 1 bottle drinking water.

SEAT-IN-COACH: RM 105 per adult
PRIVATE TOUR: RM 125 per adult

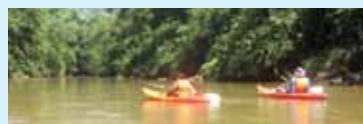


FAIRY & WIND CAVE (Half day)

Pick up time: 0830hrs / 1330hrs
The Fairy Cave stands 3-storey high. After a quick climb, the cave opens up into a main chamber. Sunlight streams into the chamber, revealing to you the beautiful shapes of nature's creations, the stalactites and stalagmites. The Wind Cave is a tunnel-like cave filled with bats and swiftlets. Look around the walls of the cave and see if you can spot the bird nests.

Includes : Guided tour, entrance fee and 1 bottle drinking water.

SEAT-IN-COACH: RM 90 per adult
PRIVATE TOUR: RM 110 per adult



KAYAKING EXPERIENCE TOUR

Depart time: 0930hrs. Arrive Hotel : 1430hrs
After about 40 minutes drive from town you are transported to the mist covered hill sides of Borneo Highlands with undulating terrain dotted by small scale pepper farms where you'll alight at Bengoh, a delightful Bidayuh village and staging point for journeys by foot or rivers deep into the interiors.

A short paddle away after this we will reach Kg Danu where we will alight on a pebbled island under a pedestrian only suspension bridge. Strolling across the suspension bridge while taking in the panoramic views and you will arrive at Kg Danu where your transport awaits for the return journey to Kuching with memorable memories of your rainforest kayaking experience.
Includes : Transport, packed lunch and 1 bottle drinking water.
Item to bring: Light clothing, towel, swim wear, waterproof camera, insect repellent, sun block, flat shoe (prepare to get wet).

SEAT-IN-COACH: RM 230 per adult
PRIVATE TOUR: RM 280 per adult

Conference Secretariat

Suite 12.9, Level 12, Wisma UOA II
21 Jalan Pinang, 50450 Kuala Lumpur

Tel: 03-2162 0566 Fax: 03- 2161 6560

Email: icud2014@console.com.my Website: www.13icud2014.com

Please log on to www.13icud2014.com for tour booking and more information