



**FINAL ANNOUNCEMENT**

# WATER MALAYSIA 2015

A MWA Specialised International Conference & Exhibition

Incorporating:



**THEME: Water Security and The Environment: A National Agenda**

Kuala Lumpur Convention Centre  
22<sup>nd</sup> - 23<sup>rd</sup> April 2015 - 2 Days Conference  
24<sup>th</sup> April 2015 - 1 Day Workshop



## KEYNOTE SPEAKERS

✓ YBhg. Datuk Loo Took Gee, KeTTHA

✓ YBhg. Dato' Abdul Rahim Nik, NRE

✓ Ir. Jaseni Maidinsa, PBAPP Sdn Bhd

✓ Mr. Stuart Hamilton, JD7

Organised by



The Malaysian Water Association



Malaysian Water Academy

Exhibition Managed by



ISO 9001:2008 Certified  
Professional Trade Exhibition & Meeting Planners

Conference Secretariat by



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# KEY HIGHLIGHTS

- ✓ Planning for A Water Blueprint for Malaysia
- ✓ Transforming Utilities to Deliver Efficient Service - The Penang Story
- ✓ Land Use Planning & Regional Development Policy Reforms for Innovative Environment Management
- ✓ Water Loss - New Realities & Leading Practices

# TOPICS COVERED

- ✓ Securing Our Water Supply For The Future
- ✓ Enhancing Wastewater and Reuse
- ✓ Sustainable Environment and Protection
- ✓ Advances in Water Loss Control Initiatives

# REGISTRATION GUIDELINE

Category	MWA Member	Non-MWA Member		Student/ Exhibitor
		Local	Foreign	
2 Days Conference + 1 Day Workshop	<b>RM 2,400</b> <i>(Approximately USD 800)</i>	<b>RM 2,600</b> <i>(Approximately USD 867)</i>	<b>RM 2,800</b> <i>(Approximately USD 934)</i>	<b>RM 2,200</b> <i>(Approximately USD 734)</i>
2 Days Conference only	<b>RM1,800</b> <i>(Approximately USD 600)</i>	<b>RM 2,200</b> <i>(Approximately USD 734)</i>	<b>RM 2,400</b> <i>(Approximately USD 800)</i>	<b>RM 1,700</b> <i>(Approximately USD 567)</i>
1 Day Workshop	<b>RM 950</b> <i>(Approximately USD 317)</i>	<b>RM 980</b> <i>(Approximately USD 327)</i>	<b>RM 1,050</b> <i>(Approximately USD 350)</i>	<b>RM 900</b> <i>(Approximately USD 300)</i>

**GROUP REGISTRATION** Groups of THREE or more fully-paid registrations will receive a discount of 10% off of each registration. All group members must be from the same organization.

MWA members are entitled for member's rate. Please contact the Conference Secretariat to verify the membership status. Invalid membership no. will be charged non-member registration fee.

## TO REGISTER

Please complete the registration form in this Announcement and fax or post to the Conference Secretariat OR Register online at the Conference Website: [www.mwa.org.my](http://www.mwa.org.my)

A Registered Delegate is entitled to

- Participate in all sessions and workshop of the Conference
- Receive the Conference Bag, Programme Book and other Conference Documents
- Attend the Opening Ceremony
- Tea breaks and Conference Lunch

## LOST BADGES

All registered delegates are requested to wear the delegate badges at all times during the Conference. A service fee of RM100 will be charged to re-issue any lost badges.

## CONFIRMATION

Registration will only be confirmed upon receipt of FULL PAYMENT.

## OFFICIAL RECEIPT

Official Receipt will only be issued upon request.

## CANCELLATION POLICY

Cancellation of registration must be made in writing to the Secretariat.

Refunds will only be made after the Conference.

Cancellation received **BEFORE 15<sup>th</sup> March 2015**: 50% refund

Cancellation received **AFTER 15<sup>th</sup> March 2015**: No refund

## CONFERENCE AND EXHIBITION ORGANISING COMMITTEE MEMBERS

### Advisor

Ir. Syed Mohd Adnan Mansor Alhabshi (MWA President)

### Chairman

Ir. V. Subramaniam (MWA Deputy President)

### Members

Tuan Haji Ibrahim bin Abdul Rahman (JBA, KeTTHA)

Mr. Mohd Ridhuan Ismail (SPAN)

Prof. Ir. Hj. Mohamed Haniffa Abdul Hamid (IWK/MWA)

Mdm. Amy Yew Sze Kiat (Arachem/MWA)

Ir. Ong Guan Hock (Minconsult/MWA)

Mr. Azmi Mahmood (Ranhill/MWA)

Mr. Lee Koon Yew (MWA)

Ms. Rubby Mahmud (MWA)

## SCIENTIFIC PROGRAMME COMMITTEE MEMBERS

### Advisor

Ir. Syed Mohd Adnan Mansor Alhabshi (MWA President)

### Chairman

Prof. Dr. Zulkifli Yusop (UTM)

### Members

Dr. Zulkifli Abdul Rahman (JAS)

Dr. Mohamed Roseli Zainal Abidin (JPS)

Dr. Norhayati Abdullah (UTM/MWA)

Mr. Lim Soon Guan

(HLA Associate/MWA)

Ir. Zulkiflee Ab Hamid (SMHB/MWA)

Mr. Mohamad Hairi Basri (Ranhill/MWA)

Mr. Mansor Abdul Ghani (MWA)

Mr. Lee Koon Yew (MWA)

# THEME: Water Security and The Environment: A National Agenda PROGRAMME AT A GLANCE

Day/Time	DAY 1 Wednesday, 22 <sup>nd</sup> April 2015			
0800 - 0900	REGISTRATION			
0900 - 0930	<b>Keynote 1: Planning for A Water Blueprint for Malaysia</b> <i>Ybhg. Datuk Loo Took Gee</i> <i>Secretary General Ministry Energy Green Technology and Water</i>			
0930 - 1000	<b>Keynote 2: Transforming Utilities to Deliver Efficient Service - The Penang Story</b> <i>Ir. Jaseni Maidinsa</i> <i>Perbadanan Bekalan Air Pulau Pinang Sdn Bhd</i>			
1000 - 1045	BOOTH VIEWING AND COFFEE BREAK			
	Stream A: Securing Our Water Supply For The Future	Stream B: Enhancing Wastewater And Reuse	Stream C: Sustainable Environment and Protection	Stream D: Advances in Water Loss Control Initiatives
	WS1 - Water Policy and Governance	WW1 - Sustainable Wastewater Management	EP1 - Policy and Government	WL1 - Water Loss Management
1045 - 1105	Regulating The Water Industry - Status and Challenges <i>Mr. Mohd Ridhuan Ismail</i> <i>National Water Services Commission</i>	GREEN MIRACLES - Untapped Opportunities and Resources in Sewerage Business <i>Datuk Ir. Abdul Kadir Md. Din</i> <i>Indah Water Konsortium Sdn. Bhd. (IWK)</i>	The State of our Rivers :Social and Enforcement Issues and Challenges – Case Study of Rivers in Selangor <i>Dr. Zulkifli Abdul Rahman</i> <i>Department of Environment Malaysia</i>	Integrated Approach to Non-Revenue Water Reduction <i>Mr. Koen Kinsbergen</i> <i>Pure Technologies</i>
1105 - 1125	Keeping the Water Reform on Track <i>Dr. Chin Yoong Kheong</i> <i>Capital PI Sdn Bhd</i>	Sewerage Projects under NKEA – River of Life and Non-River Business Opportunities <i>Dato Ir. Dr. Zullkeffe Nordin</i> <i>Jabatan Perkhidmatan Pembetungan (JPP)</i>	National Water Resources Policy - Can Water Security in Malaysia be Ensured? <i>Dato' Ir. Hj Hanapi Mohamad Noor</i> <i>Department of Irrigation &amp; Drainage (IRR)</i>	Approach to 24 X 7 Water Supply by Coimbatore Corporation <i>Mr. K. Ashok Natarajan</i> <i>Tamilnadu Water Investment Company Limited</i>
1125 -1145	Sustainable Water Resources Management within the Malaysian Federation Framework <i>Dr. Rasyidah Md Khalid</i> <i>Universiti Teknologi MARA (UiTM)</i>	Risk Profilling and Managemnt for Water Assets <i>Mr. Trevor Taylor</i> <i>ARUP</i>	Environment Pollution Index <i>Prof. Dr. Rahmalan Ahamad</i> <i>Universiti Teknologi Malaysia (UTM)</i>	The PBAPP – JICA Collaboration to Build Competencies in Non-Revenue Water <i>Ir. Jamil Mohd Noor</i> <i>Perbadanan Bekalan Air Pulau Pinang (PBAPP)</i>
1145 - 1205	Competency Training for the Water Industry – Issues & Challenges in Meeting Needs for an Enhanced Workplace Performance <i>Mr. Mohd Nizam bin Omar</i> <i>Penang Water Services Academy (PWSA)</i>	Good Governance in Regulatory Practices in Water Services Sector: Challenges, Progress and Way Forward <i>Ms. Punita Nook Naidu</i> <i>National Water Services Commission</i>	Empowering Stakeholders towards a Prectival Water Ethics through the Heartware Approach <i>Prof. Datin Dr. Azizan Baharuddin</i> <i>Institut Kefahaman Islam Malaysia (IKIM)</i>	Experiences in Managing Ho Chi Minh City Non-Revenue Water Reduction Project <i>Mr. Vuong Quang Sang</i> <i>SAIGON Water Corporation (SAWACO)</i>
1205 - 1230	Q&A Session			

# THEME: Water Security and The Environment: A National Agenda

## PROGRAMME AT A GLANCE

Day/Time	DAY 1 Wednesday, 22 <sup>nd</sup> April 2015			
1230 - 1400	LUNCH			
1400 - 1430	<b>Keynote 3: Land Use Planning &amp; Regional Development Policy Reforms for Innovative Environment Management</b> <i>YBhg. Dato' Abdul Rahim Nik</i> <i>Deputy Secretary General, Ministry of Natural Resources and Environment (NRE)</i>			
	<b>WS2 - Planning for Sustainable Water Management</b>	<b>WW2 - Sewerage Operations and Resource Recovery</b>	<b>EP2 - Education</b>	<b>WL2 - Smart NRW</b>
1430 – 1450	Water Infrastructure Development towards Vision 2020 <i>Ir. Noor Azahari bin Zainal Abidin</i> <i>Kementerian Tenaga, Teknologi Hijau dan Air (KeTTHA)</i>	Biotechnology Potentials at Sewage Treatment Plants <i>Prof Hesham A.El Enshasy</i> <i>Universiti Teknologi Malaysia (UTM)</i>	Environment Protection and Conservation <i>Prof. Dr. Maketab Mohamed</i> <i>Malaysian Nature Society (MNS)</i>	Smart Water Networks & Pressure Managements (Speaker from I20)
1450 – 1510	Malaysian Water Industry : Possible Solution from the Past <i>Tuan Ir. Syed Mohd Adnan Alhabshi</i> <i>The Malaysian Water Association (MWA)</i>	Culture Change for Effective and Efficient Sewerage Service Delivery <i>Mr Johan bin Leman</i> <i>Indah Water Konsortium Sdn. Bhd. (IWK)</i>	Project ReViVaL (Revive Varsity Lake): Development of Living Lab in University of Malaya Campus <i>Dr. Nobumitsu Sakai</i> <i>Kyoto University (Universiti Malaya)</i>	Developing Real-time Response Strategies via Hydraulic Modeling <i>Mr. Marcus Chang</i> <i>Bentley Systems</i>
1510 – 1530	Some Perspectives and Challenges of the Proposed Safe Drinking Water Act 2015 – New Approaches Towards Vision 2020 <i>Engku Azman Tuan Mat</i> <i>Ministry of Health Malaysia</i>	River of Life - The Plan and Benefits to Malaysia <i>Mr. Scott Dunn</i> <i>AECOM</i>	Environment Education and the Consumer <i>Mr. Foon Weng Liang</i> <i>Water Forum Malaysia</i>	
1530 – 1550	The South to North Water Diversion Project in China <i>Dr. Tao Li</i> <i>IWA Greater China Office</i>			
1550 – 1610	Q&A Session			
1610 - 1640	BOOTH VIEWING AND COFFEE BREAK			

# THEME: Water Security and The Environment: A National Agenda PROGRAMME AT A GLANCE

Day/Time	DAY 2 Thursday, 23 <sup>rd</sup> April 2015			
0800 - 0900	REGISTRATION			
0900 - 1000	<b>OPENING CEREMONY</b> <i>Official Opening by The Minister of KeTTHA, Y.B Datuk Seri Panglima Dr Maximus Johnity Ongkili</i>			
1000 - 1100	BOOTH VIEWING AND COFFEE BREAK			
	<b>WS3 - Disaster and Risk Management for Water Supply System</b>	<b>WW3 - Projects and Technology Development</b>	<b>EP3 - Watershed Services</b>	<b>WL3 - Leakage Management</b>
1100 - 1120	JWVA's Emergency Challenges for the Earthquake <i>Mr. Toru Tomioka Japan Water Works Association (JWWA)</i>	The Concept of Value Engineering in Application of GRP Pipes for Sewage and Water Transmission Pipelines <i>Dr. Hassan Assaee Farassan Industrial and Manufacturing Company Iran</i>	Hydrological Impacts of Landuse <i>Prof. Zulkifli Yusop Universiti Teknologi Malaysia (UTM)</i>	Fixed Leak Detection <i>Mr. Mark Nicol Echologics – Asia Office</i>
1120 - 1140	Experience of Planning and Managing Major Water Rationing Exercise in Selangor, Kuala Lumpur and Petaling Jaya during 2014 Drought <i>Ir V. Subramaniam Syarikat Bekalan Air Selangor Sdn Bhd (SYABAS)</i>	Advantages and Applications of the AnoxKaldnes™ MBBR Technologies <i>Mr. Mathieu Le Noir Veolia Water Solutions &amp; Technologies</i>	Integrated River Basin Management in Malaysia <i>Dato' Paduka Dr. Ir. Hj Keizrul Abdullah Malaysian Green Technology Corporation (GreenTech Malaysia)</i>	Leak Detection on Non-metallic Pipes, a Malaysian Case Study <i>Mr. Faisal Salleh Jalur Cahaya Sdn Bhd</i>
1140 - 1200	Approaches Adopted in Managing Water Supply System during Flood <i>Mr. Safrurazi Mohd Salleh Air Kelantan Sdn Bhd</i>	Centralized Sewerage System in Kuching City <i>Mr Tai Lee Yoon Jurutera Jasa (Sarawak) Sdn Bhd</i>	Understanding Ecosystem Services <i>Y.Bhg Prof. Dr. Mohd Shahwahid Haji Othman Universiti Putra Malaysia (UPM)</i>	Experience & Results of Using Free Swimming Non-Tethered (FSNT) In-Line Leak Detection System on Large Diameter Pipes in Malaysia <i>Mr. Ahmad Samhan Daud Jalur Cahaya Sdn Bhd</i>
1200 - 1220	Sustainable Consumption Through Water Conservation and Demand Strategies, Efficient Use of Water, Integrated Planning <i>Mr. Chong Hou Chun PUB Singapore</i>	A Collaborative Trial to Validate the SewerBatt Technology <i>Ms. Monica Bennett Isle Utilities Pty Ltd Australia</i>	Technology for Palm Oil Mill Effluent (POME) <i>Dr. Pua Eng Teck Ronser Bio-Tech Sdn Bhd</i>	ALR Concept <i>Mr. Azaruddin Ranhill Energy and Resources Berhad</i>
1220 - 1300	Q&A Session			
1300 - 1400	LUNCH			

# THEME: Water Security and The Environment: A National Agenda

## PROGRAMME AT A GLANCE

Day/Time	DAY 2 Thursday, 23 <sup>rd</sup> April 2015			
1400 - 1430	<b>Keynote 4: Water Loss - New Realities &amp; Leading Practices</b> <i>Mr. Stuart Hamilton</i> JD7			
	<b>WS4 - Drinking Water Technologies and Innovations</b>	<b>WW4 - Green Technology</b>	<b>EP4 - Climate Change and Challenges</b>	<b>WL4 - Asset Management</b>
1430 - 1450	Smart Water Grid - Real-time Sensor Monitoring and Predictive Analytics Capabilities <i>Mr. Raymond Ung Guan Wah</i> PUB Singapore	Advances in Membrane Technology for Wastewater Recycling <i>Prof. Ir. Dr. Abdul Wahab Mohammad</i> Universiti Kebangsaan Malaysia (UKM)	Climate and Hydrological Aspects <i>Datuk Ir. Haji Ahmad Jamalluddin Shaaban</i> National Hydraulic Research Institute of Malaysia (NAHRIM)	Improved Management of Water Infrastructure Assets <i>Mr. Ben Ferguson</i> Echologics Engineering Inc.
1450 - 1510	Latest Technologies in Drinking Water <i>Mr. Philip Page</i> Statiflo International Limited	Utilization of Wastewater Treatment Plant - Waste for Electricity Generation <i>Prof. Dr. Mashitah Mat Don</i> Universiti Sains Malaysia (USM)	Protecting the Water Supply System against Climate Change <i>Mr. Mohd Zin Othman</i> SAJ Holdings Sdn Bhd	Why Replace Existing Pipelines when they can be Rehabilitated using Polyethylene Pipes and Liners? <i>Mr. Andrew Wedgner</i> Borouge Pte. Ltd
1510 - 1530	Some New Technologies in Recent Drinking Water Treatment <i>Dr. Addie Wong Wai Meng</i> Taliworks Corporation Berhad	Nutrient Removal from Wastewater in Tropical Climate <i>Assoc. Prof. Dr. Adeline Chua Seak May</i> Universiti Malaya (UM)	Changes in Climate and The Impact on the Water and Wastewater Operations <i>Mr Ling Leong Kwok</i> Meteorological Department Malaysia	Extending Asset Life through Pressure Management <i>Mr. Gary Wyeth</i> Singer Valve Inc.
1530 - 1550	Off River Storage (ORS): An Alternative for Urban River Raw Water Source. Sg Labu WTP Experience <i>Mr. Abdul Karim Endut</i> Konsortium Air Selangor Bhd	Electroosmotic Dewatering: An Efficient Method of Sludge Management <i>Assoc. Prof. Dr. Mohammed Saedi Jami</i> International Islamic University Malaysia (IIUM)	Meeting the Water Demands for Drought Stricken Area: A Case Study for Bintulu, Sarawak <i>Prof. Dr. Lau Seng</i> Universiti Malaysia Sarawak (UNIMAS)	Pipe Rehabilitation Using Slip Lining Method <i>Mr. Mohd Redha</i> Ranhill Energy and Resources Berhad
1550 - 1610	Q&A Session			
1610 - 1640	BOOTH VIEWING AND COFFEE BREAK			

**THEME: Water Security and The Environment: A National Agenda**  
**NRW WORKSHOP ON**  
**PIPELINE CONDITION ASSESSMENT**

Day/Time	DAY 3 Friday, 24 <sup>th</sup> April 2015
0800 - 0900	REGISTRATION
0900 - 0915	Introduction <i>Stuart Hamilton</i>
0915 - 1000	Problem We Have Today in Repair or Replace Dilemma <i>Stuart Hamilton, JD7</i>
1000 - 1030	Feedback and Discussion about What is the Situation Currently Experienced with the Audience
1030 - 1100	<b>NETWORKING REFRESHMENT BREAK</b>
1100 - 1145	Condition Assessment Technology How your Current Situation can be Measured When are you going to Expect Failure Case Studies <i>Koen Kinsbergen &amp; Paolo Sitaca, Pure Technology</i>
1145 - 1230	Rehabilitation of Deteriorated Pressure Pipes – Solutions The Pros and Cons of Various Types of Lining Method Segmental Lining, CIPP Lining and Fold & Form Case Studies <i>Sean Lim, Sekisui Asia</i>
1230 - 1430	<b>NETWORKING LUNCH</b>
1430 - 1500	Condition Assessment Technology What is ePulse, How does it Work and How is it Deployed in the Field Basic Principles of Sound Propagation and Material Properties How does Velocity Related to Pipe Wall Thickness What does Minimum Average Thickness Mean and Why is it Relevant <i>Ben Ferguson, Echologics</i>
1500 - 1530	How Asset Management is looked at in the USA The Confidence to Act, the Ability to Defer: How Technology Helped a Water Utility Save \$20M <i>Ben Ferguson, Echologics</i>
1530 - 1615	MRI Scanning of a Pipeline for Actual Condition Assessment How to Understand your Pipeline with Detailed Scanning <i>Stuart Hamilton, JD7</i>
1615 - 1645	<b>Discussion of the Day Roundup and Closure</b>
1645 - 1700	<b>Refreshment / End of Workshop</b>

*Conference Secretariat*

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