8th IWA-ASPIRE
Conference and Exhibition

Smart Solutions for Water Resilience

31 OCTOBER - 2 NOVEMBER 2019
HONG KONG

Conference Venue:
Hong Kong Convention and Exhibition Centre

For enquiries, please contact
IWA-ASPIRE 2019 Conference Secretariat
c/o International Conference Consultants Ltd.
Tel: (852) 2559 9973
Fax: (852) 2547 9528
Email: info@iwaaspire2019.org

www.iwaaspire2019.org

Organised by:
Co-organised by:
**Introduction**

The IWA-ASPIRE 2019 will be held on 31 October to 2 November 2019 in the Hong Kong Convention and Exhibition Centre, located at the heart of the city centre with excellent meeting and convention facilities. The main theme of the Conference is “Smart Solutions for Water Resilience”. The 3-day conference and exhibition will feature keynote addresses by internationally renowned water industry leaders and researchers who will share the latest best practices and recent advances in research and development on various water issues related to smart cities. Water professionals worldwide are invited to submit and present their latest findings in parallel sessions centered on specific themes related to broad areas of water supply, wastewater engineering and sustainable storm water management. The biennial conference aims to foster links between R&D, practice and policy, and will feature plenary keynotes, keynote sessions, parallel sessions, water leaders forum, water regulators forum, workshops, technical visits and networking events offering various excellent opportunities for academics, professionals, officers, and business people to develop collaborative networks and business linkages.

**Programme At A Glance**

<table>
<thead>
<tr>
<th>30 October 2019 (WEDNESDAY)</th>
<th>31 October 2019 (THURSDAY)</th>
<th>1 November 2019 (FRIDAY)</th>
<th>2 November 2019 (SATURDAY)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MORNING</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Opening Ceremony</td>
<td>Plenary Keynote 4</td>
<td>Plenary Keynote 6</td>
<td></td>
</tr>
<tr>
<td>Plenary Keynote 1</td>
<td>Coffee Break</td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>Coffee Break</td>
<td>Keynote Session 3 &amp; Parallel Sessions</td>
<td>Water Leaders Forum</td>
<td></td>
</tr>
<tr>
<td>Plenary Keynote 2</td>
<td></td>
<td></td>
<td>Keynote Session 6 &amp; Parallel Sessions</td>
</tr>
<tr>
<td>Keynote Session 1 &amp; Parallel Sessions</td>
<td></td>
<td></td>
<td>Plenary Keynote 7</td>
</tr>
<tr>
<td><strong>AFTERNOON</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lunch</td>
<td>Lunch</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Plenary Keynote 3</td>
<td>Plenary Keynote 5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Coffee Break</td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Keynote Session 2 &amp; Parallel Sessions</td>
<td>Water Regulators Forum</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Technical Visits</td>
</tr>
<tr>
<td></td>
<td>Poster Evaluation</td>
<td>Poster Evaluation</td>
<td></td>
</tr>
<tr>
<td><strong>EVENING</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Welcoming Reception</td>
<td>Gala Dinner</td>
<td></td>
</tr>
</tbody>
</table>


**The programme is subject to change without prior notice.**
Call for Abstracts
The IWA-ASPIRE 2019 invites you to submit abstracts for Oral and Poster presentations according to the following themes:

1. Climate Change
2. Green Technology
3. Wastewater Treatment Technologies
4. Wastewater Policy and Governance
5. Water and Energy Nexus
6. Water Policy and Governance
7. Water Resources Management
8. Water Supply Management
9. Water Sustainability
10. Water, Sanitation and Health

Important Dates:
**FINAL Extended** Deadline for Abstract Submission: 29 March 2019 12 April 2019
Notification of Acceptance: 15 May 2019
Deadline for Extended Abstract Submission: 30 June 2019

For abstract enquiries, please contact the Conference Secretariat at abstract@iwaaspire2019.org

Speaker Highlights

**Plenary Keynote Speakers**

- **Mr Pat DONOVAN**
  Chief Executive Officer, Water Corporation, Australia

- **Prof Hiroaki FURUMAI**
  Distinguished Fellow, IWA; Professor, The University of Tokyo, Japan

- **Prof Joseph H.W. LEE**
  Fellow, Royal Academy of Engineering, UK; Senior Advisor to the President, Hong Kong University of Science and Technology, Hong Kong, China

- **Mr Peter J.H. NG**
  Chief Executive Officer, Public Utilities Board, Singapore

- **Prof Jiu-hui QU**
  Member, Chinese Academy of Engineering; Member, National Academy of Engineering, USA; Professor, Research Center Eco-environmental Sciences, Chinese Academy of Sciences, China

- **Prof David L. SEDLAK**
  Professor, University of California at Berkeley, USA; Member, National Academy of Engineering, USA

- **Prof Mark VAN LOOSDRECHT**
  Chair Professor, Delft University of Technology, The Netherlands; Member, National Academy of Engineering, USA.
Keynote Speakers

Prof Gary AMY
Dean’s Distinguished Professor, Clemson University, USA

Mr Bertrand CAMUS
Chief Executive Officer, Suez, France

Prof Eng-soon CHAN
Professor, National University of Singapore; Chief Executive Officer, Technology Centre for Offshore and Marine, Singapore

Prof Guang-hao CHEN
Chair Professor, The Hong Kong University of Science and Technology, Hong Kong

Prof Sung-uk CHOI
Professor, Yonsei University, South Korea

Prof Ana DELETIC
Pro Vice Chancellor, University of New South Wales, Australia

Prof Ben-sheng HUANG
Professor, Guangdong Research Institute of Water Resources and Hydropower, China

Mr Raveen JADURAM
Chief Executive, Watercare Services Limited, New Zealand

Prof Kyung-soo JUN
Professor, Sungkyunkwan University; President, Korea Water Resources Association (KWRA), South Korea

Prof Jurg KELLER
Professor, University of Queensland, Australia. Fellow, Australian Academy of Technological Sciences and Engineering, Australia

Prof Arthur MYNETT
Emeritus Professor, IHE Delft Institute for Water Education, The Netherlands

Mr Henk OVINK
Special Envoy for International Water Affairs, The Netherlands

Mr Shu-jie PAN
Vice-President and Chief Engineer, China State Construction International Holdings Ltd., China

Mr Tomoyuki TANIMOTO
Director, Water Supply Section, Water Supply Division, Bureau of Waterworks, Tokyo Metropolitan Government

Prof Kalanithy VAIRAVAMOORTHY
Executive Director, IWA

Chris ZEVENBERGEN
Professor, IHE Delft Institute for Water Education; Delft University of Technology, The Netherlands
Please visit https://www.iwaaspire2019.org/Detailed-Programme.pdf for more information on PRELIMINARY TENTATIVE TOPICS, SPEAKERS and PROGRAMME.
Pre-Conference Workshops

Date: 30 October 2019 (Wednesday)
Fee: Complimentary (for the conference registrants only)

Workshop 1: Innovative Technology in Water and Wastewater Treatment (14:00 - 18:00)
With technology advancement, a handful of ground-breaking technologies that aims to enhance the efficiency and safety in water/wastewater treatment has emerged in recent years. One example is the On-Site Chlorine Generation technology, which is essentially the membrane electrolysis of premium table salt to produce high quality chlorine gas directly for water disinfection to eliminate risks from the transportation and storage of liquid chlorine in water treatment works. Another example is the Multi-Point Chlorine Dosing System developed under the Harbour Area Treatment Scheme (HATS) for uses in wastewater treatment. In this workshop, experiences on the development and implementation of various innovative technologies in water and wastewater treatment will be shared.

Convenors:
Prof Joseph H.W. LEE, Fellow, Royal Academy of Engineering, UK; Senior Advisor to the President, The Hong Kong University of Science and Technology, Hong Kong, China
Mr Tai-on LEE, Assistant Director / Mechanical & Electrical, Water Supplies Department, the Government of the Hong Kong Special Administrative Region

Workshop 2: Water Security and Management Issues in the Greater Bay Area (GBA) (14:00-17:00)
The integration of major cities in the GBA represents a collaborative initiative that provides significant opportunities to shape the future of Hong Kong and the other cities within the Pearl River Delta region. It is envisioned that the GBA will develop into a global hub of innovation and technology, advanced manufacturing, trading and economic growth. The question of “whether the GBA has enough water resources to sustain its economic growth” has become inevitably significant. In this workshop, we will explore water security challenges and issues and review various water management measures being undertaken in a holistic manner.

Convenors:
Prof Ben-sheung HUANG, Professor, Guangdong Research Institute of Water Resources and Hydropower, China (TBC)
Mr Andy KWOK, Managing Director, Black & Veatch Hong Kong Ltd., Hong Kong

Workshop 3: How to Write a Good Paper for a Top Journal (16:45-18:00)
In this age of open innovation, writing a technical paper to communicate your latest findings is important. The ability to write a good paper that clearly presents the topic and findings can be as important as possessing the research skill and knowledge to finding the solution to a problem. And yet scientific writing and getting a paper published in a prestigious venue can be a very messy and fluid process. This workshop provides insight on how to write high-quality technical papers and other critical elements that set foundation for publication in top journals. The workshop aims to offer advice from eminent scholars and leverages on the presence during the Conference of several Chief Editors/Associate Editors of highly regarded journals such as Environmental Science and Technology, Water Research, and other relevant top journals in water and environment.

Convenors:
Prof Guang-hao CHEN, Chair Professor, The Hong Kong University of Science and Technology, Hong Kong
Prof. Xiang-dong LI, Chair Professor, The Hong Kong Polytechnic University, Hong Kong

*Subject to finalization.

Please visit www.iwaaspire2019.org for more information.
Asia-Pacific Water Leaders Forum

Driving Resilience and Sustainability in Water Management in Asia-Pacific

Date: 1 November 2019 a.m. (Friday)

With an ever-changing environment and growing water challenges, driving resilience and sustainability would be the key for the water sector. As an alongside event of the IWA-ASPIRE 2019, the Asia-Pacific Water Leaders Forum brings together top water leaders across the globe to share the major success factors and bottlenecks in enabling resilient and sustainable universal access to water and sanitation in practice. Therefore, it provides a good opportunity for water industry practitioners to learn from the experience and vision from the rest of the world, with the aim to shaping a better future of the region. Representatives of water, sanitation and wastewater management service providers worldwide are welcome. Participation in the Forum is by invitation only.

Keynote Speaker:
Mr Peter J.H. NG, Chief Executive Officer, Public Utilities Board, Singapore

Asia-Pacific Water Regulators Forum

Policy and Regulation for Sustainable and Resilient Water Management in Asia-Pacific

Date: 1 November 2019 p.m. (Friday)

As a follow-up from the 5th International Water Regulators Forum held in Tokyo in 2018, the objective of the Asia-Pacific Water Regulators Forum of IWA-ASPIRE 2019 is to offer an opportunity for regulators in the Asia-Pacific region to share their experience in achieving the Sustainable Development Goals (SDG) and discuss how policies help enable resilient and sustainable universal access to water and sanitation in practice at the various levels of action. Representatives of regulatory authorities and officials with regulatory and supervisory functions related to the provision of water, sanitation and wastewater management services worldwide are welcome. Participation in the Forum is by invitation only.

Keynote Speaker:
Mr Henk OVINK, Special Envoy for International Water Affairs, The Kingdom of the Netherlands

*Subject to finalization.

Please visit www.iwaaspire2019.org for more information.
**Post-Conference Technical Visits**

**Date:** 2 November 2019 (Saturday)

1. Happy Valley Underground Stormwater Storage Scheme
2. High Island Reservoir
3. Organic Resources Recovery Centre Phase 1 (O·PARK1) and Siu Ho Wan Sewage Treatment Works
4. Sludge Treatment Facility (STF/T·PARK)
5. Stanley Sewage Treatment Works and Western Salt Water Service Reservoirs
6. Stonecutters Island Sewage Treatment Works
7. Tai Po Water Treatment Works
8. Upper Lam Tsuen River and Yuen Long Bypass Floodway

*Subject to finalization.


**Online Registration is open NOW!**

Please register on or before [31 July 2019](http://www.iwaaspire2019.org) to enjoy the Early-Bird Discount.

Organised by:

Co-organised by:

Diamond Sponsors:

Platinum Sponsors:

Gold Sponsors:

Information is updated as of 4 April 2019
For enquiry, please contact
IWA-ASPIRE 2019 Conference Secretariat
c/o International Conference Consultants Ltd.
Tel: (852) 2559 9973
Fax: (852) 2547 9528
Email: info@iwaaspire2019.org