

International Conference on WASTEWATER TREATMENT TECHNOLOGIES 2025

PROGRAMME

AM Session

09:15 - 09:30 Registration

Opening & Welcome Remarks

09:30 - 09:40 Officiating Ceremony - Guests of Honours

09:40 - 09:50 Group Photos

09:50 - 09:55 Welcoming Remarks

Ir CHOW Kin-tak, Alice
- The President of The Hong Kong Institution of Engineers

Keynote Speech & Souvenir Presentation

09:55 - 10:05 Keynote Speech

Mr. MOK Wing Cheong, Ringo, JP
- Director of Drainage Services

10:05 - 10:20 Souvenir Presentation

10:20 - 10:40 Morning Break

Session 1

**Smarter Treatment Begins Here:
Innovative Bioprocesses and Digital Modelling**

10:40 - 11:00 (1) Aerobic Granular Sludge (AGS) technology and net-zero wastewater treatment

Prof. Mark van LOOSDRECHT
- Delft University of Technology

11:00 - 11:20 (2) From modelling to digital twins in energy biotechnology and water infrastructure: Opportunities and challenges

Prof. Damien BATSTONE
- The University of Queensland

11:20 - 11:40 (3) The Membrane Aerated Biofilm Reactor-the drop in Process Intensification

Dr. Eoin SYRON - University College Dublin

11:45 - 12:05 Panel Discussion - Session 1

Moderator: **Prof. YUAN Zhiguo**
- City University of Hong Kong

AM Session Ends

12:05 - 13:40 Lunch (PM registration starts at 13:25)

PM Session

13:40 - 13:45 Welcoming Remarks for Afternoon Sessions

Ir. Lee Kwun Chung, Johnson - HKIE Civil Division Chairman

Session 2

**From Sludge to Sustainability:
Advancing Digestion and Decarbonisation**

13:45 - 14:05 (1) Developments in the Treatment and Utilisation of Sewage Sludge in Europe

Prof. Max DOHMANN - RWTH Aachen University

14:05 - 14:25 (2) Micro-aerobic digestion – a face-lift to traditional anaerobic digestion processes with minimum plant upgrading cost

Mr. Bart KRAAKMAN - Jacobs Consultant

14:25 - 14:45 (3) Anaerobic Digestion and Decarbonization in Wastewater Treatment Plant

Prof. Yu You LI - Tohoku University

14:45 - 15:10 Panel Discussion - Session 2

Moderator: **Prof. POON Chi sun** - HKIE CVD Committee Member

15:10 - 15:25 Afternoon Break

Session 3

**Optimizing Operations:
Resource Recovery and Plant Performance**

15:25 - 15:45 (1) Application of AGS Technology and its Practice in China

Dr. BAI Yu
- Beijing Drainage Group., Ltd

15:45 - 16:05 (2) Resource Recovery from Used Water

Prof. ZHOU Yan
- Nanyang Technological University

16:05 - 16:25 (3) Optimizing Operations: Resource Recovery and Plant Performance

Ir. Mohd Taufik SALLEH - Indah Water Konsortium

16:25 - 16:55 (4) Leveraging Microbial and Sustainable Technologies to Optimize Wastewater Treatment Performance in Hong Kong

Ir. PUN Siu Kit, Suki - Drainage Services Department, Hong Kong SAR Government

16:55 - 17:15 Panel Discussion - Session 3

Moderator: **Prof. LI Xiangdong**
- Hong Kong Polytechnic University

17:15 - 17:20 Closing Remarks

Ms. LAI Wai Kwan, Sussana
- Assistant Director/Electrical & Mechanical

PM Session Ends

10 December 2025

Local visits to the Drainage Services Department's wastewater treatment facilities (Due to limited capacity, visits are open to selected registered participants only.)