

International Conference on WASTEWATER TREATMENT TECHNOLOGIES 2025

PROGRAMME

AM Session

09:15 - 09:35 Registration

Opening & Welcome Remarks

09:35 - 09:36 Moment of Silence

09:36 - 09:40 Opening Remarks

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

09:40 - 09:45 Keynote Speech

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

09:45 - 09:50 Screening of DSD Project Highlights Video

Session 1

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

09:50 - 10:15 (1) Aerobic Granular Sludge (AGS) technology and net-zero wastewater treatment

Prof. Mark van LOOSDRECHT - Delft University of Technology

10:15 - 10:40 (2) From modelling to digital twins in energy biotechnology and water infrastructure: Opportunities and challenges

Prof. Damien BATSTONE - The University of Queensland (Australia)

10:40 - 11:00 Morning Break

11:00 - 11:25 (3) The Membrane Aerated Biofilm Reactor-the drop in Process Intensification

Dr. Eoin SYRON - University College Dublin

11:25 - 11:55 Panel Discussion - Session 1

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

11:55 - 12:00 MC Wrap Up

AM Session Ends

12:00 - 13:15 Lunch

PM Session

13:15 - 13:30 Registration

Session 2

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

13:30 - 13:35 Welcoming Remarks for Afternoon Sessions

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

13:35 - 14:00 (1) Application of AGS Technology and its Practice in China

Dr. BAI Yu - Beijing Drainage Group., Ltd

14:00 - 14:25 (2) Developments in the Treatment and Utilisation of Sewage Sludge in Europe

Prof. Max DOHMANN - RWTH Aachen University

14:25 - 14:50 (3) Micro-aerobic digestion – a face-lift to traditional anaerobic digestion processes with minimum plant upgrading cost

Mr. Bart KRAAKMAN - Jacobs Consultant

14:50 - 15:20 Panel Discussion - Session 2

Moderator: **Prof. POON Chi sun** - The Hong Kong Institution of Engineers Civil Division

15:20 - 15:35 Afternoon Break

Session 3

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

15:35 - 16:00 (1) Resource Recovery from Used Water

Prof. ZHOU Yan - Nanyang Technological University

16:00 - 16:25 (2) Optimizing Operations: Resource Recovery and Plant Performance

Ir. Mohd Taufik SALLEH - Indah Water Konsortium

16:25 - 16:50 (3) 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

16:50 - 17:20 Panel Discussion - Session 3

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

17:20 - 17:25 Closing Remarks

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

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.)