



## **Certificate CPD Course on Municipal Sewage Treatment Works Planning, Design, Construction, Commissioning, Operation and Maintenance 17/5/2024 to 28/6/2024**

### **Organised by**

**Asia-Pacific Association for Sustainable Waste Management  
and Institute of Bioresource and Agriculture (IBA)  
Hong Kong Baptist University**

The Government has committed multi-billions Hong Kong dollars budget to upgrading and provision of sewage treatment facilities in the territory for improvement of water quality of Hong Kong. The Hong Kong Baptist University would like to organize a certificate CPD course which aims at providing the local professionals with a structured frame starting from refreshing the basic sewage treatment concept, looking into the practical and hand-on experiences on sewage and sludge treatment works planning, design, project implementation, operation and maintenance and presenting to you the most state-of-art compact sewage treatment technologies with discussions on achieving energy neutral sewage treatment. The course is structured in seven lectures as in the following.

- Lecture 1** Sewage Treatment Fundamentals
- Lecture 2** Biological Sewage Treatment Process I
- Lecture 3** Biological Sewage Treatment Process II
- Lecture 4** Compact Sewage Treatment Processes and the Operating Experience In Shatin Sewage Treatment Works with Case Study
- Lecture 5** Design of Mechanical Agitator for MBBR Process, Disinfection, and Water Reclamation Technologies, Maintenance of Sewage Treatment Facilities
- Lecture 6** Sewage Sludge Treatment and Co-Digestion
- Lecture 7** Achieving Energy Neutral Sewage Treatment with end of course examination



## Fee, Certificate, Language, Enquires and Registration

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|------------------------------------|--|
| <b>Certificate:</b>                | <p>Attendance certificates will be issued by IBA, Hong Kong Baptist University to the participants after each session for counting in their CPD purpose.</p> <p>A Full Sewage Treatment Works Planning, Design, Construction, Commissioning, Operation and Maintenance Certificate will also be endorsed by IBA, Hong Kong Baptist University and issued to the participants who registered and attended all sessions and successfully passing the end-of-course appraisal and assessment.</p> |
| <b>Fee:</b>                        | <p><b>For ASME, CIWEM, IMechE, IET, IChemE, HKIE, HKIQEP, and HKWMA Members</b><br/>HK\$1,000 per session<br/>HK\$6,300 for the complete course</p> <p><b>For Other Participants</b><br/>HK\$1,200 per session<br/>HK\$8,000 for the complete course</p>   |
| <b>Enquiries and Registration:</b> | <p>Reservations will be confirmed upon receipt of payment and availability of places on first-come-first-served basis. Successful applicants will be informed via e-mail. Cheque must be made payable to "Hong Kong Organic Resource Centre Limited" and sent with the registration form, to the IBA office. The organizing committee reserves the right to allot the registration to members of the organizing institutions in case of over subscription.</p>                                 |
| <b>Language:</b>                   | English  |
| <b>Speaker:</b>                    | <p>Ir YU Shuk Man<br/>Senior Resident Engineer (Process/Electrical &amp; Mechanical) for DSD Contract No. DC/2018/03, Binnies Hong Kong Limited.</p> <p>Ir Yu is a chartered mechanical, marine, electrical, building services, and environmental engineer and has more than 30 years hands-on experience in the design, supervision of construction, testing, commissioning, research and development work, operation and maintenance of municipal sewage treatment plants and systems.</p>   |
| <b>Course Administrators:</b>      | <p><b>Prof. Jonathan W.C. Wong</b><br/>Tel. 852 3411 7056<br/>Fax. 852 3411 2355<br/>Email: <a href="mailto:arcpe@hkbu.edu.hk">arcpe@hkbu.edu.hk</a></p> <p>Address:<br/>SCT707, Cha Chi-ming Science Tower, Ho Sin Hang Campus, Hong Kong Baptist University, Kowloon Tong, Hong Kong SAR</p>   |
| <b>Deadline of application:</b>    | 10/5/2024  |

## Date, Time and Venue

| Session   | Topic  | Date/Time/Venue                                 | Speaker*  |
|-----------|--|---|-----------|
| <b>S1</b> | Lecture 1: Sewage Treatment Fundamentals   | 17/5/2024<br>18:30pm – 21:30pm<br>RRS 905, HKBU | Ir S M Yu |
| <b>S2</b> | Lecture 2: Biological Sewage Treatment Process I   | 24/5/2024<br>18:30pm – 21:30pm<br>RRS 905, HKBU | Ir S M Yu |
| <b>S3</b> | Lecture 3: Biological Sewage Treatment Process II  | 31/5/2024<br>18:30pm – 21:30pm<br>RRS 905, HKBU | Ir S M Yu |
| <b>S4</b> | Lecture 4: Compact Sewage Treatment Processes and the Operating Experience in Shatin Sewage Treatment Works with Case Study                            | 7/6/2024<br>18:30pm – 21:30pm<br>RRS 905, HKBU  | Ir S M Yu |
| <b>S5</b> | Lecture 5: Design of Mechanical Agitator for MBBR Process, Disinfection and Water Reclamation Technologies, Maintenance of Sewage Treatment Facilities | 14/6/2024<br>18:30pm – 21:30pm<br>RRS 905, HKBU | Ir S M Yu |
| <b>S6</b> | Lecture 6: Sewage Sludge Treatment and Co-Digestion  | 21/6/2024<br>18:30pm – 21:30pm<br>RRS 905, HKBU | Ir S M Yu |
| <b>S7</b> | Lecture 7: Achieving Energy Neutral Sewage Treatment with end of course examination  | 28/6/2024<br>18:30pm – 21:30pm<br>RRS 905, HKBU | Ir S M Yu |

*The organizers reserve the right to change the course topics, venue, time and speakers*