

WTA - Special Seminar

Comparison of Membrane Manufacturer's Technology for UF/MF & MBR

31 May 2014, Concorde Hotel, Singapore

Seminar Speaker: Dr. Graeme Pearce, UK

Organized by



www.watertreatment-academy.org

The Water Treatment Academy (WTA), a division at TechnoBiz Communications Co., Ltd. has joined with Membrane Consultancy Associates to provide a special seminar on comparison of commercial membrane filtration technology for water and wastewater treatment, and for membrane technology used in Membrane Bioreactors (MBR). The course is organized in two parts, each taking half a day, to offer an evaluation of commercially available technology reviewing both current status, recent developments and the outlook for UF and MF technologies.

Part 1: Commercial Membrane Filtration Technology for Water & Wastewater Treatment

Part 2: Commercial Membrane Technology for MBR

This seminar has been designed to cater for attendees with a range of experience in membranes and water and is suitable both for those who are relatively new to the field to experienced membrane technologists.

Part 1 : Commercial Membrane Filtration Technology for Water & Wastewater Treatment

09.00	Welcome and Introduction
<i>Session 1-1</i>	<i>Membrane Material Comparison</i>
09.15	Polymer options, manufacturing methods, pros and cons, trends in polymer share, ceramic materials, threshold flux and fouling comparison for different materials
10.15	Break
<i>Session 1-2</i>	<i>Module Format & System Configuration</i>
10.30	Advantages of various format and process choices (eg inside vs outside feed) performance comparison, membrane area comparison for commercial products
11.30	Break

<i>Session 1-3</i>	<i>Review of Membrane Filtration Manufacturers</i>
11.45	Main players with a focus on latest developments, new entrants and innovative technology, Asian companies, ceramic membrane suppliers, potential for standardization (universal rack design and interchangeability), future outlook
12.45	Lunch

Part 2 : Commercial Membrane Technology for MBR

14.00	Welcome and Introduction
<i>Session 2-1</i>	<i>Membrane, Module, Format & Configuration</i>
14.15	Material options, pros and cons of format choices, system design options
15.15	Break
<i>Session 2-2</i>	<i>Review of Commercial Products from Top 10 MBR Suppliers</i>
15.30	Market share of main players and supplier share of largest plants Detailed review of top 10 suppliers with product and operational details
16.30	Break
<i>Session 2-3</i>	<i>Performance and Cost Comparison</i>
16.45	Examples of performance and flux comparison for some of the main players; Cost comparison MBR vs conventional-MF; examples of life cycle cost comparison for various MBRs
17.45	Close

Speaker – Dr. Graeme Pearce, Membrane Consultancy Associates, UK



Dr Graeme K Pearce is a membrane technology specialist with 30 years experience in the membrane industry. A graduate of Oxford University in chemistry and chemical engineering, Dr Pearce's introduction to membrane technology started in BP in 1980. In 1991, he was Technical Director of the start up Kalsep, a buy-out from BP. The company was a key participant in the development of the UK membrane filtration market for drinking water. Dr Pearce joined Hydranautics in 2000, where he was responsible for the development and marketing of the ultrafiltration (UF) and microfiltration (MF) technology. In 2005, Dr.Pearce left Hydranautics to form an independent consultancy, Membrane Consultancy Associates (MCA), working with a broad spectrum of users and providers of membrane technology, to improve the knowledge base and application of membranes in water, wastewater, and process industries. Dr Pearce has authored numerous papers and articles on membranes. He has recently written "UF/MF Membrane Water Treatment" a companion guide to this Workshop, and has provided the membrane filtration contribution to two books, namely 'The Guidebook to Membrane Desalination Technology' and 'The Guidebook to Membrane Technology for Wastewater Reclamation'.

WATER TREATMENT ACADEMY



Water Treatment Academy is a division at TechnoBiz Communications Co., Ltd., based in Bangkok, Thailand. This academy is an educational and knowledge-based platform for water and wastewater treatment designers and operators. It organizes technical training programs and conferences on water and wastewater treatment. It publishes technical reference books on water and wastewater treatment. For more information on programs and activities of this academy, kindly visit website www.watertreatment-academy.org.

Registration Form – Commercial Membrane Technology

31 May 2014, Concorde Hotel, Singapore

Please Select

- Part 1: Commercial Membrane Filtration Technology for Water & Wastewater Treatment (500 US\$/Person)
- Part 2: Commercial Membrane Technology for MBR (500 US\$/Person)
- Both Part 1 & Part 2 (800 US\$/Person)

Company Name

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Tel..... Fax.....

Email Cell No.....

Contact Person Position

PARTICIPANT NAMES

Participant Name 1 Position

Email..... Cell No

Participant Name 2 Position

Email..... Cell No

Participant Name 3 Position

Email..... Cell No

Remarks:

- *This fee covers training documentation including reference book, lunch and refreshments.*
- Payment is required with registration fee.

EARLY BIRD REGISTRATION DISCOUNT:

- Register before 10 April: 15% Discount
- Register before 30 April 2014: 10% Discount
- Register before 15 May 2014: 5% Discount

GROUP REGISTRTRION DISCOUNT

- If 3 or more than 3 participants join from the same organization, 10% discount on total registration fee
- If 5 or more than 5 participants join from the same organization, 15% discount on total registration fee

PAYMENT METHOD

Bank Transfer to *Bank Name : Bangkok Bank, A/C No: 177-0-70727-9, A/C Name : **TechnoBiz Communications Co., Ltd.***
Branch: Ratchada-Latprao Road branch, Bangkok (Swift Code: BKKBTHBK) (Kindly make payment for all bank charges)

Credit Card Visa Master American Express *(5% bank fee applies for credit card processing)*

Card NumberCardholder Name
 Card Expiry Date CVV Code.....Signature of Cardholder

PLEASE SEND COMPLETELY FILLED REGISTRATION FORM TO



Water Treatment Academy, TechnoBiz Communications Co., Ltd.
 2521/27, Lardprao Road, Khlongchaokhunsingha, Wangthonglang, Bangkok 10310 Thailand
 Tel: +66-2-933 0077 Fax: +66-2-955 9971 Mobile: +66-81-988 6874
 Email: training@watertreatment-academy.org Web: www.watertreatment-academy.org
 Contact Person: Khun Sirinthip, Program Coordinator