

INTERNATIONAL CONFERENCE
on Membrane Bioreactors (MBR) for Wastewater Treatment

MBR

Asia 2010

26-27 April 2010, Chaophya Park Hotel, Bangkok, Thailand



Organized & Managed by

TechnoBiz Communications Co., Ltd.

No. 300/53, Soi Lardprao 35/1, Lardprao Road, Chandrakasem
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Technical Program

26 April 2010 (Monday)

- 09.00 – 09.15 Welcome Remarks
- 09.15 – 09.45 [Key Note Presentation](#)
Use of Membranes for a Small & Simple Unit to provide Potable Water in Cases of Disaster for Small Villages
Prof. Franz-Bernd Frechen
Institute for Water, Waste and Environment (IWWE), Germany

Session 1: MBR Technology Innovations

- 09.45 – 10.15 **Airlift MBR has Grown Up : a New Order of Magnitude**
Ronald van 't Oever
Norit X-Flow BV, The Netherlands
- 10.15 – 10.45 **Coffee Break**
- 10.45 – 11.15 **Toray Advanced Flat Sheet MBR Technology**
Dr. Tadahiro Uemura
Toray Industries Inc., Japan
- 11.15 – 11.45 **Application of MBR to Municipal Solid Waste Leachate Treatment: Research & Development in Thailand**
Dr. Chart Chiemchaisri
Kasetsart University, Thailand
- 11.45 – 12.15 **Integration of EMMC/MBR Processes for Land Limited Wastewater Treatment / Reuse**
Prof. P. Y. Yang
University of Hawaii at Manoa, USA
- 12.15 – 13.30 **Lunch Break**

Session 2 : Membrane Fouling in MBR

- 13.30 – 14.00 **Fouling in MBR - Causes, Cures and Contradictions**
Prof. Anja Drews
HTW Berlin, Germany
- 14.00 – 14.30 **Impacts of Extracellular Polymeric Substances and Soluble Microbial Products on Fouling Behavior in a Submerged MBR**
Dr. Mehmet Kitis,
Suleyman Demirel University, Turkey
- 14.30 – 15.00 **MBR : toward a Normalization of Operating Parameters**
Dr. Heran Marc
University Montpellier, France
- 15.00 – 15.30 **Coffee Break**

Session 3: Experience with MBR Plants & Case Studies

- 15.30 – 15.50 **Design and Operational Experience of MBRs treating Industrial Wastewater in Thailand**
Uracha Sadetheerakij
Nalco Industrial Services (Thailand) Co., Ltd., Thailand
- 15.50 – 16.10 **Case study of AirLift™ MBR Pilot Plant at Ulu Pandan Water Reclamation Plant in Singapore**
Lim Aik Leng
Norit Singapore Pte. Ltd., Singapore
- 16.10 – 16.30 **Al Ansab MBR Sewage Treatment Plant - Muscat Wastewater Project**
Venkatesh Babu
Haya Water, Sultanate of Oman
- 16.30 – 16.50 **Submerged Membrane Bioreactor (MBR) used Hollow Fiber Membrane Modules for Industrial and Municipal Wastewater Treatment**
Dr. Takanori Itonaga
Mitsubishi Rayon Engineering Co., Japan
- 16.50 – 17.10 **Reuse of Wastewater for Hotels and Office Buildings in Indonesia**
Edna Schnell
Huber Technology Asia-Pacific Ltd., Singapore
- 17.10 – 17.30 **Bei Xiao He WWTP MBR Plant Experience in China**
Tushar A Muley
Siemens Pte Ltd., Singapore

27 April 2010 (Tuesday)

- 09.30 – 10.00 [Keynote Presentation](#)
Anaerobic Membrane Bioreactors (AnMBR) : Current Status and Future Potentials
Prof. C Visvanathan
Asian Institute of Technology (AIT) Thailand
- 10.00 – 10.30 **Coffee Break**

Remark: This conference will be conducted in ENGLISH only. The Organizer reserves the right to change the technical program as appropriate without prior notification.

Technical Program (contd.)

Session 5 : MBR Design, Optimization and Operation

- 10.30 – 11.00 **Minimization of Energy Consumption in MBR Operation Using an Advanced Modelling Approach**
Martin Andersen
DHI Water & Environment Pte. Ltd.,
Singapore
- 11.00 – 11.30 **Optimized MBR Design and Aeration for Enhanced Deposition Control**
Helmut Prieske
Technical University Berlin, Germany
- 11.30 – 12.00 **Operation of Submerged Hollow Fiber Membrane Bioreactor for Wastewater Treatment on Meeting Reclamation Criteria**
Ben Freeman
Hydranautics, USA

Session 6 : MBR Technology Innovations

- 13.30 – 14.00 **Enhanced MBR-Process without Chemical Cleaning**
Hans Joerg Heckmann
Microdyn-Nadir (Xiamen) Co. Ltd,
China
- 14.00 – 14.30 **Comprehensive Flux Enhancer Screening - from Lab to Pilot Scale**
Prof. Anja Drews
HTW Berlin, Germany
- 14.30 – 15.00 **Mechanical Pre-Treatment (MPT) on Municipal MBR Plants**
Prof. Franz-Bernd Frechen
Institute for Water, Waste and Environment (IWWE), Germany
- 15.00 – 15.30 Coffee / Tea Break
- 15.30 – 16.30

Panel Discussion

Challenges in Implementing MBR Projects

Panelists

- *Ben Freeman*, Hydranautics, USA
- *Uracha Sadetheerakij*, Nalco Industrial Services (Thailand) Co., Ltd.
- *Lim Aik Leng*, Norit Singapore Pte. Ltd
- *Venkatesh Babu*, Haya Water, Sultanate of Oman
- *Dr. Takanori Itonaga*, Mitsubishi Rayon Engineering Co., Ltd
- *Edna Schnell*, Huber Technology Asia-Pacific Pte Ltd
- *Tushar A. Muley*, Siemens Pte Ltd
- *Dr. Tadahiro Uemura*, Toray Industries Inc
- *Ronald van 't Oever*, Norit X-Flow BV

Conference Venue : Chaopraya Park Hotel, Bangkok

Century Park Hotel is a 4-star Hotel, located on the business street (Ratchadapisek Road) of Bangkok, 30 minutes distance by car to Suvarnabhoomi Airport, short walking distance to Subway Train Station, and other major Tourist Destinations. More information can be found at www.chaophyapark.com

Chaophya Park Hotel offers special accommodation rates for the delegates. Kindly contact TechnoBiz for making reservation.

WATER TREATMENT JOURNAL

TechnoBiz publishes bi-monthly "Water Treatment Journal" in English. This publication is aimed for water and wastewater Treatment Operators and Designers. Please contact TechnoBiz at water@technobiz-asia.com to subscribe this magazine. MBR Asia 2010 delegates will receive 1 -year free subscription to "Water Treatment Journal"

TechnoBiz Conferences & Training Programs (Water & Wastewater Treatment)

Seawater Desalination Technology

6-7 May 2010, Kuala Lumpur
10-11 May 2010, Hong Kong

RO Tech Asia 2010

8-9 November 2010, Bangkok

Anaerobic Digestion Asia 2010

11-12 November 2010, Bangkok

Organizer's Contact Address

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Web: www.technobiz-asia.com
Contact Persons : Ms. Sirinthip (Program Coordinator)
Mr. Peram Prasada Rao (Conference Manager)

Registration Form - MBR Asia 2010

26-27 April 2010, Chaophya Park Hotel, Bangkok

(Please fill all the information all in ENGLISH only)

Organization Name

Address

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Tel Fax Email

Contact Person Tel Email

Participant Names :

Participant 1: Position Email

Participant 2: Position Email

Participant 3: Position Email

Participant 4: Position Email

Participant 5: Position Email

Participant 6: Position Email

Registration Fee/ Participant:

| Before 5 March 2010 | Before 15 March 2010 | Before 15 April 2010 | After 15 April 2010 |
|---------------------|----------------------|----------------------|---------------------|
| 300 US\$ | 350 US\$ | 425 US\$ | 550 US\$ |

Group Registration: If company registers 3 persons, 4th person participation is FREE.

If company registers 5 persons, 6th & 7th persons participation is FREE

Remarks : Payment is required with registration. Registration fee includes documentation and lunch & refreshments during the conference.

Payment Method

Bank Transfer to Bangkok Bank, Ratchada-Latphrao Road Branch, A/C No: 177-0-70727-9
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(Kindly pay all the bank charges)

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