



Workshop Industrial Water Management "Germany, France and Singapore: Together for Green Innovation"

22 June 2009, National University of Singapore, Shaw Foundation Alumni House

Programme

<p>9 am – 9:30 am</p>	<p>Opening and Welcome Addresses, Auditorium Assoc. Prof. Ng How Yong (Workshop Chair), Director, Centre for Water Research, National University of Singapore Prof. Tan Chorh Chuan, President, National University of Singapore Tan Cheng Guan, Council Member, Singapore Water Association H.E. Holger Stauderskjold-Nordenstam, Ambassador and Head of Delegation of the European Commission to Singapore H.E. Pierre Bulher, Ambassador of France to Singapore Dr. Gerold Heinrichs, Director Asia, International Office, Federal Ministry of Education and Research, Germany</p>	
<p>9:30 am – 10:20 am</p>	<p>Introduction: Funding opportunities for R&D projects between Germany, France and Singapore, Auditorium Toh Jia Yan: "Overview of the Water Industry in Singapore" Assistant Head, Economic Development Board (EDB), Singapore Wong Wai Cheng: "Water Efficiency Incentive Scheme" Senior Manager, Public Utilities Board (PUB), Singapore S. Koban: "N.N.", Senior Manager, Environmental Engineering Services, Industry Development Group SPRING, Singapore Floriane Lemarchand: "Research Funding in France" Life Sciences Liaison Officer, Embassy of France in Singapore Nadine May: "Research Funding in Germany" Project manager, VDI/VDE Innovation + Technik GmbH, Germany Pierre Herges: "N.N." Policy Officer, Economic and Trade Section, Delegation of the European Commission</p>	
<p>10:20 am – 10:50 am</p>	<p>Coffee break</p>	
<p>10:50 am – 12:30 am (à 20 min)</p>	<p>Session 1: Detection and Monitoring of Contaminants in Water / Energy Efficiency Moderation: Prof. Roger Ben Aim, Senior Scientific Advisor of IFTS, France <i>Seminar Room 2</i></p>	<p>Session 2: Waste Water Treatment in the food & beverage industry Moderation: Assoc. Prof. Ng How Yong, Centre for Water Research, National University of Singapore <i>Seminar Room 3</i></p>
	<p>An integrated approach towards sustainable water, energy and resource efficiency in the manufacturing industry Martin Anderson, Executive Researcher and Project manager, DHI Water & Environment (S) Pte Ltd, Singapore</p>	<p>Ozonation of coloured and biorefractory COD from wastewater Audrey Battimelli, National Institute of Agronomic Research, France</p>
	<p>Fast and cost-effective water monitoring with SiequaSENS - A new generation of smart analysis systems Dr. Rudolf Gensler, Siemens Corporate Technology Singapore (Singapore/Germany)</p>	<p>Process integrated waste water management and treatment in the food & beverage industry - Experiences from Europe Prof. Dr.-Ing. Karl-Heinz Rosenwinkel, ISAH Institute for urban water resources and waste engineering, Leibniz University Hanover, Germany</p>
	<p>Wastewater treatment: contribution to matter valorisation and to energy consumption minimisation Prof. Etienne Paul, National Institute for Applied Sciences (INSA), France</p>	<p>Enhancing membrane processes for wastewater treatment Prof. Anthony Fane, Director, Singapore Membrane Technology Centre, Nanyang Technology University Singapore</p>
	<p>State of the art of detection and monitoring systems for industrial water N.N., Germany</p>	<p>Anaerobic bio-treatment of highly polluted wastewaters in the food industry Dr. Dieter Bryniok, Fraunhofer Alliance SysWasser, Germany</p>
	<p>Wastewater treatment by activated sludge in biological reactors Assoc. Prof. Olivier Potier, Polytechnical University of Lorraine ENSIC, France</p>	<p>Technology development in the young research centre EWT-COI Dr. Chen Chia Lung, Ngee Ann, Polytechnic, Singapore</p>

CO-ORGANISERS



Programme (continued)

12:30 am – 1:30 pm	Networking lunch	
1:30 pm – 3:10 pm (à 20 min)	Session 3: Waste Water Treatment in the microelectronics industry Moderation: Dr. Gerd Meier zu Köcker, VDI/VDE Innovation + Technik GmbH, Germany <i>Seminar Room 2</i>	Session 4: Waste Water Treatment in the pharmacy industry Moderation: Assoc. Prof. Hu Jiang Yong, National University of Singapore <i>Seminar Room 3</i>
	Treatment of wastewater from photovoltaic industry Prof. Dr. Otto Nowak, Institute for urban and industrial Water Resources, Technical University Dresden, Germany	Integration of membrane reactors with different unit operations: biological reactions or advanced oxidation reactions or adsorption on activated carbon; a way for intensification of the waste water treatment Prof. Stephan Brosillon, University Montpellier II, France
	Membranes techniques for wastewater treatment and re-use sewerage and desalinisation Prof. Roger Ben Aim, Senior Scientific Advisor of IFTS, France	Effects of antibiotics on microbial community shift Assist. Prof. He Jiangzhong, Centre for Water Research, Division of Environmental Science and Engineering, National University of Singapore
	Preventing calcium carbonate scale formation by polyphosphate inhibitors Assist. Prof. Lin Yi-Pin, Centre for Water Research, Division of Environmental Science and Engineering, National University of Singapore	Leading edge UF technology for water treatment made in Germany Bruno Steis, Inge wassertechnologies AG, Germany
	Membrane, electrochemical and electromembrane processes for wastewater treatment Dr. Estelle Couallier, Laboratoire de Génie des Procédés et Matériaux, Ecole Centrale Paris, France	Forward osmosis membrane technology for water re-use and desalination Assoc. Prof. Ng How Yong, Director, Centre for Water Research, Division of Environmental Science and Engineering, National University of Singapore
	Microbial fuel cells for wastewater treatment Dr. Olivier Lefebvre, Research Fellow, Centre for Water Research, Division of Environmental Science and Engineering, National University of Singapore	UV disinfection of drinking water - Repair of microorganisms and its control Assoc. Prof. Hu Jiang Yong, Deputy Director, Centre for Water Research, Division of Environmental Science and Engineering, National University of Singapore
3:10 pm – 3:40 pm	Coffee break	
	Dialogue and Networking towards Joint Projects The speakers and participants have the opportunity to discuss about project ideas	
3:40 pm – 4:40 pm	Session 1/2 Facilitator: Assoc. Prof. Ng How Yong, Centre for Water Research, National University of Singapore Facilitator: Prof. Roger Ben Aim, Senior Scientific Advisor of IFTS, France Facilitator: Nadine May, VDI/VDE Innovation + Technik GmbH, Germany <i>Seminar Room 2</i>	Session 3/4 Facilitator: Assoc. Prof. Hu Jiang Yong, National University of Singapore Facilitator: N.N., France Facilitator: Dr. Meier zu Köcker, VDI/VDE Innovation + Technik GmbH, Germany <i>Seminar Room 3</i>
4:40 pm – 5 pm	Closing Session Short presentation of the outcome from the dialogue and networking sessions by the leaders and conclusions <i>Seminar Room 3</i>	
8 pm, @ Suntec Singapore	Opening Ceremony: Opening of Water Expo & Welcome Reception of the Singapore International Water Week 2009	

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