

“New based-membrane technologies for drinking water production and waste water recycling/reuse”

Third Training Courses in Membrane Technologies Da Nang City (Vietnam) – 24/26 April 2017

Numbers in blue refer to the pdf presentations you can download through SIMEV website

- **Day 1:**

Monday 24 April 2017

Morning theme: Problems In Vietnam and around and general aspect of drinking water production and waste water recycling/reuse	
8:45 – 9:30	Opening. Ass. Prof. Trinh Van Tuyen, Director of I.E.T, Vietnam
9:30 – 10:15	(1) Water environment of Danang City: overview of water resources, existing problem and water reuse. Ass. Prof. Tran Van Quang, Danang University of Technology, Vietnam
10:15-11:00	(2) Membrane technology for treatment of surface water in the Mekong Delta Dr. Linh Nguyen (TBC), IEM / USTH, France
11:00– 11:15	Morning tea
11:15 – 12:00	(3) Application of sewage plus technology using membrane up- concentration and co-anaerobic digestion for energy recovery from household wastewater and kitchen waste in Ho Chi Minh city, Vietnam. Prof. Nguyen Phuoc Dan, HCMUT, Vietnam
12:00 – 12:45	(4) Application of MBR for treatment wastewater of Hoa Hiep Hung rubber factory Mr. Vu Pha Hai, Green Tech in Ho Chi Minh city, Vietnam
12:45 – 2:30	Lunch break
Afternoon theme: Membrane Bioreactor	
2:30 – 3:15	(5) Improving sustainability and efficiency of Membrane BioReactor WasteWater Treatment : Process concept and membrane design. Dr. Geoffroy Lesage, UM / IEM, France
3:15 – 4:00	(6) Membrane bio-reactor (MBR) with suspended media in wastewater treatment Prof. Saravanamuth Vigneswaran, University of Technology Sydney UTS, Australia
4:00 – 4:45	(7) Application of submerged anaerobic membrane bioreactor (AnMBR) technology for wastewater treatment and biogas recovery in Vietnam. Tran Thi Viet Nga, Assoc. Prof. Faculty of Environmental Engineering National University of Civil Engineering, Vietnam (8) Can anaerobic membrane bioreactor be a smart option for wastewater treatment? Prof. Huu Hao Ngo (TBC), University of Technology Sydney UTS, Australia
4:45-5:30	(9) MBR applications for N and P removal and Combining Electro-Fenton and MBR for micropollutants removal. Dr. Phan Do Hung and Dr. Le Thanh Son, Institute of Environmental Technology, Vietnam
5:30	Close of Day 1

- **Day 2:**

Tuesday 25 April 2017

Morning theme: Membrane processes for desalination applications	
8:45 – 9:30	(10) Membrane Distillation as a Sustainable Technology for Small Water Supply Schemes. Prof. Saravanamuth Vigneswaran, University of Technology Sydney UTS, Australia
9:30 – 10:15	(11) Membrane separation for desalination. Dr. François Zavisca, UM / IEM, France
10:15-11:00	(12) Optimising boron and micropollutant rejection by NF/RO for desalination and water reuse applications. Prof. Long Nghiem, UOW, Australia
11:00– 11:15	Morning tea
11:15 – 12:00	(13) Granular activated carbon filter in seawater pre-treatment Dr. Nguyen Tien Vinh, University of Technology Sydney UTS, Australia
12:00 – 12:45	(14) Nutrient removal and algae biomass production by Membrane Photobioreactor Ass. Prof. Bui Xuan Thanh, Faculty of Environment and Natural Resources, HCMUT, Vietnam
12:45 – 2:30	Lunch break
Afternoon theme: Membrane manufacturing and Membrane process with renewable energy	
2:30 – 3:15	(15) Polysilazane precursors for inorganic coatings and ceramic membranes Dr Can Vu, France
3:15 – 4:00	(16) Introduction about replacement and repairing of Mitsubishi Membrane STERAPORE. Dr. Ran Muzo, Mitsubishi Rayon Company, Japan
4:00 – 4:45	(17) Membrane filtration pilot supplied with renewable energies for water and electricity production. Mr. Pierre Magnes, Firmus company, France
4:45-6:30	(18) Round table: Future collaborations between Vietnam, Australia and France on MBR, water treatment and renewable energy and desalination. Chairmen: Prof. Trinh Van Tuyen, Dr. Geoffroy Lesage and Dr. Francois Zavisca
6:30	Closing session. Ass. Prof. Trinh Van Tuyen, Director of I.E.T, Vietnam + Certificate delivery for student participation
7:00	Summer school gala dinner. Location TBC

- **Day 3:**

Wednesday 26 April 2017

Technical and city visits
