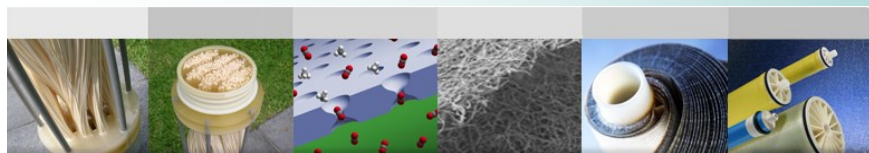




Membrane Society of Australasia

Membrane Society of Australasia NEWSLETTER

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UPDATE: Meet the plenary speakers during the 9th International Membrane Science and Technology Conference (IMSTEC) - 5-8 Dec 2016, Adelaide (<http://www.imstec.com.au/>)



Professor Benny Freeman

Richard B. Curran Centennial Chair in Engineering, University of Texas, Austin

Prof. Freeman's research program explores the relationship between polymer structure, processing and properties. More specifically, they study the effect of polymer structure on the solubility, diffusivity, and permeability of small molecules in polymers and polymer-based materials. These fundamental studies bear directly upon membranes for liquid, gas, and vapor separations; controlled drug delivery devices and techniques; barrier plastics for food and specialty packaging; monomer and solvent removal from formed polymers; and physical aging of glassy polymeric materials and membranes.



Professor Menachem Elimelech

Director, Environmental Engineering Program, Yale University

Professor Elimelech's research is in the general area of the water-energy nexus. Specifically, the research in his group involves: (i) membrane-based processes for energy-efficient desalination and wastewater reuse, (ii) sustainable production of water and energy generation with engineered osmosis, (iii) environmental applications and implications of nanomaterials, and (iv) water and sanitation in developing countries.



Professor Sandra Kentish

Head, Department of Chemical and Biomolecular Engineering, The University of Melbourne

Professor Kentish has broad interests in industrial separations, particularly the use of membrane technology for energy, food and water applications. She has been the Discipline Leader in the CRC for

Greenhouse Gas Technologies (CO2CRC) for Membrane Technology since 2003. She has also been a member of the Research Advisory Committee for the National Centre of Excellence in Desalination since 2010. She has been the Deputy Director of the Melbourne Energy Institute since 2009, but has recently stepped down from this position to accommodate her new role as Head of Department



Professor Xiao-Lin Wang

Director of Beijing Key Laboratory for Membrane Materials and Engineering, Tsinghua University

Professor Wang has been engaged in membrane technology and electrochemistry for over 20 years. His research has touched many aspects such as

transport phenomena in charged porous membranes, water treatment and product separation with membrane processes, fabrication of nanoporous polymeric membranes by thermally induced phase separation method, as well as development of electrochemical materials and processes.

International Conference — Engineering with Membranes (EWM2017): Recent advances in Membrane Science and Technology (26-28 Apr 2017, Singapore)

Abstract submission is EXTENDED until December 15, 2016!!

SUBMIT your abstract now! Visit <http://www.ewm2017.com/>

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UPDATE: International Forward Osmosis Summit (IFOS) 2016

2-4 December 2016, University of Technology Sydney

<http://www.ifosummit.org/>

Abstract submission for **poster only** is **EXTENDED** until **Nov. 30, 2016**. Best poster awards will be given. Submit your poster and register now!

Around 100 participants are expected to join the event coming from academe and industries! Do not miss out this great opportunity to meet and network with top experts in forward osmosis and related membrane technologies.

KEYNOTE SPEAKERS



Prof. Menachem Elimelech
(Yale University, USA)



Prof. Anthony Gordon Fane
(Nanyang Technological University, Singapore)



Prof. Neal Tai-Shung Chung
(National University of Singapore, Singapore)



Dr. Olga Bakajin (CEO,
Porifera Inc., USA)

11th Conference of Aseanian Membrane Society (AMS) — coming to Brisbane, Australia in 2018



Just fresh from the successful 10th conference of Aseanian Membrane Society held in Nara, Japan from 26-29 July, 2016, the 11th series of AMS conference was decided to be hosted by Australia in 2018. The conference in Japan attracted more than 500 delegates from all parts of the world and it is hoped that huge number of attendees will also participate in 2018 in Australia. The planning and organization for the AMS11 are underway, and this will be organized by MSA. Look out for announcements soon.

Membrane Research Highlights

- [Thin-film composite forward osmosis membranes functionalized with graphene oxide-silver nanocomposites for biofouling control](#), Journal of Membrane Science
- [Janus hollow fiber membrane with a mussel-inspired coating on the lumen surface for direct contact membrane distillation](#), Journal of Membrane Science
- [Biofouling and control approaches in membrane bioreactors](#), Biore-source Technology
- [Impact of membrane ageing on reverse osmosis performance – Implications on validation protocol](#), Journal of Membrane Science
- [Highly stable enzymatic membrane for fast treatment of antibiotic-polluted water](#), Journal of Membrane Science
- [Transport phenomena and fouling in vacuum enhanced direct contact membrane distillation: Experimental and modelling](#), Separation and Purification Technology
- [Osmotic versus conventional membrane bioreactors integrated with reverse osmosis for water reuse: Biological stability, membrane fouling, and contaminant removal](#), Water Research
- [Pilot trial of membrane distillation driven by low grade waste heat: Membrane fouling and energy assessment](#), Desalination
- [Porous diffusion dialysis membranes for rapid acid recovery](#), Journal of Membrane Science
- [Aqueous phase synthesis of ZIF-8 membrane with controllable location on an asymmetrically porous polymer substrate](#), ACS Applied Materials & Interfaces

Announcements:

2017 International Congress on Membranes and Membrane Process (29 July—4 August 2017, California, USA) <http://www.icom2017.org/home.html>

February 17, 2017 - Abstract submission closes



3rd International Conference on Desalination using Membrane Technology (2-5 April, 2017, Gran Canaria, Spain) <http://www.desalinationusingmembrane.com/>

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