



Citation for Professor Neal Chung Tai-Shung

Outstanding Researcher Award

Professor Neal Chung Tai-Shung is at the forefront of research into membrane for clean water, clean energy, biofuel separation and carbon dioxide capture. Neal, who is also a Provost's Chair Professor, has contributed significantly to the development of exploitable membrane science and technologies.

Neal and his team have designed advanced forward osmosis, pressure-retarded osmosis and membrane distillation membranes for water reuse and desalination. From 2004 to 2008, Neal worked as a senior consultant and led Hyflux's R&D in membrane technologies, where he co-invented Hyflux's Kristal™ ultra-filtration membranes for water recycling and wastewater treatment.

Neal has received many research awards and honours including the Underwood Medal from the Institution of Chemical Engineers (IChemE), in the UK in 2014, the TechConnect Global Innovation Award in the same year, the Engineering Research Leadership Award in 2011, the Hyflux-Singapore National Institute of Chemistry Award in Environmental Chemistry, IChemE Singapore's Award for Excellence and Innovation in Sustainable Technology and the Institution of Engineers Singapore's Prestigious Engineering Achievement Award in 2010. He was also elected a Fellow of the Academy of Engineering Singapore in 2012.

In addition, his research has helped NUS to be ranked as the world's best in water research by Lux Research USA, the leading advisory firm providing strategic advice on research intelligence and emerging technologies. It also described Neal as a world-class membrane scientist.

Neal is recognised not only for his research work but also a good mentor to his students and staff, who have won more than 33 awards over the last five years.

This evening, Professor Neal Chung Tai-Shung receives the Outstanding Researcher Award.