

CURRICULUM VITA OF PROF. NEAL T. S. CHUNG

Yushan Scholar (玉山學者), Honorary Chair Professor, Graduate Institute of Applied Science and Technology, National Taiwan University of Science and Technology (NTUST); Academician of Singapore National Academy of Engineering; Emeritus Professor, National University of Singapore (NUS)



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- 1) [鍾台生的個人網頁 \(ntust.edu.tw\)](http://www.chbe.nus.edu.sg/index.php/user-profile/userprofile/chencts)
- 2) <http://www.chbe.nus.edu.sg/index.php/user-profile/userprofile/chencts>
- 3) <https://blog.nus.edu.sg/membrane/>

Technical: Ph.D. Chemical Engineer specializing in membrane materials, science and engineering for clean water, clean energy, osmotic energy, biofuel, CO₂ capture and pharmaceutical separation

Major Accomplishments

- An author of 4 books, 40 book chapters, ≥ 784 Journal papers, > 70 patents (including 50 US patents, 38 regional and Singapore patents), and 400 conference papers.
- Having the *world highest number* of publications in J. Membrane Science (Impact Factor = 8.742).
- Trained and produced 80 PhD, 27 MEng and 120 post-doctors who received more than 80 awards (best paper, poster, young scientist, inventor and travel awards) and formed > 16 companies.
- H-index = 116 (Scopus) or 135 (Google Scholar); Number of citations > 52633 (Scopus) and > 66,847 (Google Scholar) (March 16, 2022).
- Received R & D grants of about S\$76 millions ≈ US \$55 millions in last 25 years in NUS.
- Conducted joint research with Arkema (2016-2017), BASF (2005-2021), British Gas (1998-2001), China Gansu (2012-2014), Eastman Chemicals (2010-2012), Gradiant (2019-2020), GSK (2011-2014), Hitachi DuPont (1998-1999), Hyflux (2005-2008), KAUST (2008-2011), Merck (2003-2006), Mitsui Chemicals (2005-2012), Kraton (2013-2014), Kurita (2018-2020), P&G (2015-2017), PBI (2009-2012), START (2018-2021), UOP (2003-2006) and others.
- A part of the team invented, developed and commercialized Vectra™ liquid crystalline polymers with the annual business size of US\$150 million (1985-1987).
- Co-inventor and commercialization of Hyflux Kristal 600™ ultra-filtration membranes (2005-2007). The products occupied 40% pre-treatment units for global seawater RO plants in 2015-2017.
- Head of membrane R&D and consultant for Hyflux (Singapore) in 2004-2008; led and built its membrane research team.
- Co-inventor and commercialization of 3-bore hollow fiber membranes for membrane distillation and wastewater recycling (2019) <https://phys.org/news/2019-02-membrane-treatment-toxic-disposal-cent.html> and <https://media.ntu.edu.sg/NewsReleases/Pages/newsdetail.aspx?news=5998275d-2762-4be3-b9e5-2366f1de24ce>
- Consultant for Air Products (USA, 1999), Norit (Dutch, 2009), HTI (USA, 2010), Scientific Advisor Board Member for Evoqua Water Technologies (Australia, 2014-2017), PakVitae (Pakistan, 2018-2019), Gansu Membrane Institute (China 2017-2019). Nanjing Membrane Material Industry Technology Institute Co. (China 2020-2021)
- Member of the Science Advisory Panel to KAUST WDRC (Water & Desalination Research Center), 2010-2011 and Taiwan R & D Center for Membrane Technology, CYCU, 2007-2018.
- Member of judges for (1) IChemE (Institute of Chemical Engineers, UK) in UK and Singapore Awards (2015-2020), (2) MIT Technology Review's Innovators Under 35 Asia (2016-2020), (3) Singapore AIChE local awards (2016-2020), (4) Singapore President Young Scientist Awards (2017-2019), (5) Taiwan Outstanding Research and Scholar awards (2015-2019) and (6) Industry and Sustainability Awards Committee of International Desalination Association (IDA) (2019).

Awards:

- (1) The top 0.1% of scholars on Water Purification over the past 10 years, as "World Expert" by Expertscape (2021). [Water Purification: Worldwide - Expertscape.com](#)
- (2) Provost's Chair Professor, National University of Singapore (2011-2021).
- (3) A highly cited researcher from Clarivate Analytics (2018 & 2019).
- (4) A highly cited researcher in both Chemical Engineering & Materials Science and Engineering by the Elsevier and Shanghai Global Ranking (2016). <http://www.shanghairanking.com/The-Most-Cited-Researchers-Developed-for-ShanghaiRanking-Global-Ranking-of-Academic-Subjects-2016-by-Elsevier.html>
- (5) Distinction Award in Water Reuse and Conservation, the International Desalination Association (IDA) (2016). http://idadesal.org/wp-content/uploads/2016/10/NICE2016_Awards.pdf
- (6) Singapore President's Technology Award (2015) (The highest technical award in Singapore). <https://www.asianscientist.com/2015/09/topnews/water-researchers-recognized-2015-psta/>
- (7) Outstanding Researcher Award, National University of Singapore (2015). http://www.nus.edu.sg/uawards/2015/Neal_Chung.php
- (8) IChemE (Institute of Chemical Engineers, UK) 2014 Underwood Medal for Exceptional Research in Separations (2015). http://www.icheme.org/media_centre/news/2015/icheme-2014-medal-winners-announced.aspx#.VTjaMZPseap (<https://ichemepresident.wordpress.com/2015/04/05/spinning-a-sustainable-future-the-underwood-medal-day-313/>)
- (9) Outstanding Researcher Award, AIChE Singapore Local Section (2015).
- (10) Global Innovation Award, TechConnect 2014, Washington, D.C. USA (June 15-18, 2014).
- (11) Engineering Research Leadership Award, National University of Singapore (2011).
- (12) IChemE (Institute of Chemical Engineers, UK) in Singapore Awards for Excellence and Innovation in Sustainable Technology (2010).
- (13) IES (The Institution of Engineers, Singapore) Prestigious Engineering Achievement Award (2010).
- (14) Hyflux-SNIC (Singapore National Institute of Chemistry) Award in Environmental Chemistry (2010).
- (15) Distinguished Alumni Award, Chung Yuan Christian University, Taiwan (2008).

Honors:

- (1) The 13th Conference of the Aseanian Membrane Society (AMS13) will have a special symposium to honor Professor Neal Chung' lifetime achievements on July 4-6, 2022, Singapore. [Home | AMS13](#)
- (2) The 16th Pacific Polymer Conference (PPC16) held a special symposium to honor Professor Neal Chung' lifetime achievements on Dec. 8-12 (2019), Singapore. <http://www.pacificpolymer.org/public.asp?page=sympSS1.asp>
- (3) Honorary Professor, Nanjing Technology University (Aug, 2019)
- (4) The 2018 AIChE Annual Meeting held three sessions in honor of **Professor Neal Chung** in recognition of his contributions to membrane science and technology, specifically in gas separation, liquid separation and novel membranes and processes on Oct 29-30, 2018, Pittsburgh, USA.
 - a. <https://aiche.confex.com/aiche/2018/meetingapp.cgi/Session/39155>
 - b. <https://aiche.confex.com/aiche/2018/meetingapp.cgi/Session/39506>
 - c. <https://aiche.confex.com/aiche/2018/meetingapp.cgi/Session/39820>
- (4) Honorary Professor, National Taiwan University of Science & Technology (NTUST) (2019) <https://ch-r.ntust.edu.tw/p/412-1021-4961.php?Lang=en>
- (5) Academician of the Asia Pacific Academy of Materials (APAM) (2015-now)
- (6) Fellow, American Institute of Chemical Engineers (AIChE) (2014-now)
- (7) Helped NUS to be ranked as the World Best on water research in the areas of (1) membrane, (2) desalination and (3) water reuse by Lux Research USA (2013)

<http://www.luxresearchinc.com/news-and-events/press-releases/read/singapore-universities-top-ranking-water-research-institutes>)

- (8) Fellow (Academician), the Academy of Engineering Singapore (2012-now)
- (9) Advisory Professor, Hua Zhong University, Wuhan, China (2013-2017)
- (10) Visiting Professor, Water Desalination & Reuse (WDR) Center, King Abdullah University of Science and Technology (KAUST), Saudi Arabia (2013-2015)
- (11) Distinguished Visiting Scholar, University of Technology, Sydney, Australia (2013-2014)
- (12) Honorable Professor, Central South University, China (2010-2015)
- (13) Fellow, Asia-Pacific Academy of Materials (2015)
- (14) Fellow, AIChE, USA (2014)
- (15) Visiting Chair professor, Chung Yuan Christian University, Taiwan (2008-2014)

Editor, Editorial or Advisory Board Members:

- (1) Chemical Engineering Journal (Impact Factor = 13.273 in 2020) (from 2008 to 2016)
- (2) Desalination (Impact Factor = 9.501) (From 2007 to 2012)
- (3) Environmental Science and Technology (Impact Factor = 9.028)
<https://pubs.acs.org/page/esthag/editors.html>
- (4) Journal of Membrane Science (Impact Factor = 8.742)
http://www.elsevier.com/wps/find/journaleditorialboard.cws_home/502692/editorialboard
- (5) Separation and Purification Technology (Impact Factor = 7.312)
<https://www.journals.elsevier.com/separation-and-purification-technology/editorial-board>
- (6) Separation and Purification Reviews (Impact Factor = 5.324)
<https://www.tandfonline.com/action/journalInformation?show=editorialBoard&journalCode=lspr20>
- (7) Current Opinion in Chemical Engineering (Impact Factor = 5.163)
http://www.elsevier.com/wps/find/journaleditorialboard.cws_home/725837/editorialboard
- (8) AIChE Journal (Impact Factor = 3.519)
[http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1547-5905/homepage/EditorialBoard.html](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1547-5905/homepage/EditorialBoard.html)
- (9) Industrial & Engineering Chemistry Research (Impact Factor = 3.720)
<http://pubs.acs.org/userimages/ContentEditor/1233861021334/iecred-eab.pdf>
- (10) Chemical Engineering Research and Design (ChERD) (Impact Factor = 3.739)(Editor)
<http://www.journals.elsevier.com/chemical-engineering-research-and-design/editorial-board/>
- (11) Membranes (Impact Factor = 4.106)
<http://www.mdpi.com/journal/membranes/editors>
- (12) Journal of Applied Polymer Science (Impact Factor = 2.520)
<http://www3.interscience.wiley.com/journal/30035/home/EditorialBoard.html>
- (13) Chinese Journal of Chemical Engineering (CJChE) (Impact Factor = 3.171)
http://www.elsevier.com/wps/find/journaleditorialboard.cws_home/707628/editorialboard
- (16) Chemical Engineering and Technology (Impact Factor = 3.742)
https://onlinelibrary.wiley.com/page/journal/15214125/homepage/2044_edbd.html
- (17) Processes (Impact Factor = 2.847)
<https://www.mdpi.com/journal/processes/editors#editorialboard>
- (16) Polymer Engineering and Science (Impact Factor = 1.917) (from 2000 to 2018)
- (17) Desalination and Water Treatment (Impact Factor = 0.854)
<http://www.tandfonline.com/action/journalInformation?show=editorialBoard&journalCode=tdwt20>
- (18) Separation Science and Technology (Impact Factor = 1.20)
<http://www.informaworld.com/smpp/title~db=all~content=t713708471~tab=editorialboard>
- (19) Journal of Membrane and Separation Technology (Impact Factor = 0.59)
<http://www.lifescienceglobal.com/journals/journal-of-membrane-and-separation-technology/editorial-board>
- (20) Polish Journal of Chemical Technology

Employment Experience:

Aug 1, 2021-now	Yushan Scholar (玉山學者), Honorary Chair Professor, Graduate Institute of Applied Science and Technology, National Taiwan University of Science and Technology (NTUST),
2011 to June 30, 2021	Provost's Chair, Faculty of Engineering, National University of Singapore (NUS)
2001 to June 30, 2021	Professor, Department of Chemical and Biomolecular Engineering (ChBE), NUS
2007 to 2010	Fellow, Chemical and Pharmaceutical Engineering Program, Singapore-MIT Alliance
2004 to 2008	Head (part-time), membrane division, Hyflux Corporation
Jan 2001 to Aug 2001	Deputy Director and Chemical Cluster Director, Institute of Materials Research and Engineering (IMRE)
2000 to 2001	Professor (Research), Department of Chemical and Environmental Engineering, NUS
1996-2000	Program Coordinator, Manager, Director, Advanced Polymers and Chemicals, IMRE
1995-2000	Associate Professor, ChBE, NUS
1993 to 1995	Consulting Engineer, Aeroquip Corporate Technology Lab., Ann Arbor, Michigan, USA
1980 to 1993	Research Engineer, Senior Research Engineer, Staff Engineer, Research Associate, Hoechst Celanese Research Division, Summit, New Jersey, USA
1980-1983	Celanese Engineering Resins Company, New Jersey, USA

Personal: Singapore PR, US citizen, Christian; married with two lovely children

Recent books

1. K. J. Lu and T. S. Chung (editors), Membrane Distillation: Membranes, Hybrid Systems and Pilot Studies, CRC press (Nov. 2019) <https://www.crcpress.com/Membrane-Distillation-Membranes-Hybrid-Systems-and-Pilot-Studies/Lu-Chung/p/book/9780367254476>. (ISBN: 9780429287879, Publication Date: November 6, 2019).
2. C. F. Wan and T. S. Chung (editors), Membrane Technology for Osmotic Power Generation by Pressure Retarded Osmosis, CRC press (March 2020) <https://www.crcpress.com/Membrane-Technology-for-Osmotic-Power-Generation-by-Pressure-Retarded-Osmosis/Chung-Wan/p/book/9780367255923>. (ISBN: 978-0367255923, Publication date: February 24, 2020)
3. T. S. Chung and Y. N. Feng (editors), Hollow Fiber Membranes: Fabrication and Applications, Elsevier (March 2021) <https://www.elsevier.com/books/hollow-fiber-membranes/chung/978-0-12-821876-1> (ISBN: 9780128218761, Publication Date: March 16, 2021)

Recent invited keynotes and plenary lectures (2015-2021)

1. T. S. Chung, *Membrane applications in the modern water resource management*, (a plenary talk), International Membrane Conference in Taiwan, Chung Yuan Christian University, Taiwan, August Oct 30, 2021.
2. T. S. Chung, *Advanced polymer membranes for clean & renewable energy*, Huazhong University of Science and Technology, Wuhan, China Oct 13, 2021.
3. T. S. Chung, *Molecular design of polymer membranes for clean & renewable energy ((1) H₂, CH₄, (2) biofuel, (3) osmotic energy generation* (online seminar), Central South University, Hunan, China, September 16, 2021.
4. T. S. Chung, *My Membrane Research at National University of Singapore (NUS)*, (online seminar), Xi'an Jiaotong University, September 13, 2020.
5. T. S. Chung, *My Membrane Research at National University of Singapore (NUS)* (online seminar), Chung Yuan Christian University, Taiwan, August 6, 2021.

6. T. S. Chung, *Polymeric membranes for H₂ separation and CO₂ capture*, Norway-Singapore Hydrogen and CCUS Webinar Series, May 18 to 29, 2020.
7. T. S. Chung, *Membrane applications in modern water resource management*, NUS, Singapore, October 16 (2019). <https://www.icheme.org/membership/communities/special-interest-groups/water/events/membrane-applications-in-modern-water-resource-management/>
8. T. S. Chung, *Membrane development for clean air, clean energy and clean water*, (a plenary talk), the 9th International Conference on Separation Science and Technology (ICSST2019), Xi'an, China, July 9-12 (2019).
9. T. S. Chung, *Molecular design of polymeric membranes for organic solvent recovery*, (a plenary talk), the 12th conference of the Aseanian Membrane Society (AMS 12), Korea, July 2-5 (2019).
10. T. S. Chung, *Emerging R&D on membrane technology for water reuse and seawater desalination, distinguished lecture series*, Beijing Institute of Technology, China, April 19 (2019).
11. T. S. Chung, *Membranes for water treatment*, (a plenary talk), the International Conference on Advanced and Applied Petroleum, Petrochemicals, and Polymers (ICAPPP 2018), Bangkok, Thailand December 18-20 (2018). <http://www.icapp2018.com/web/index.php/speaker/>
12. T. S. Chung, *Polymeric membranes for organic solvent recovery and osmotic power generation*, the 3rd International Conference on Polymer Science and Engineering (PSE-2018), Beijing, China, December. 13-16 (2018).
13. T. S. Chung, *Emerging R&D on membrane technology for water reuse and seawater desalination*, (a plenary talk), International Membrane Conference, Fuzhou University, China, December 10-11 (2018).
14. T. S. Chung, *Water sustainability by designing polymer membranes for water reuse, seawater desalination and osmotic power generation*, the 7th Asia-Oceania Conference on Green and Sustainable Chemistry (AOC7-GSC), Singapore, November 19-21 (2018).
15. T. S. Chung, *Polymeric membranes for organic solvent recovery and osmotic power generation*, (a plenary talk), the 3rd Advanced Membrane Materials and Technologies, Zhejiang University of Technology, Hangzhou, China, November 12-13 (2018).
16. T. S. Chung, *Emerging R&D on membrane technology for water reuse and seawater desalination*, (a plenary talk), the 6th West Lake International Conference on Desalination and Water Reuse, Hangzhou, China, November 10-11 (2018).
17. T. S. Chung, *My membrane research at NUS*, Honorary Session for Prof. Neal Chung in AIChE annual conference, Pittsburgh, USA, Oct. 28 – Nov. (2018).
18. T. S. Chung, *Polymeric membranes for emerging applications: Clean water, energy, biofuel, food and pharmaceuticals*, Northwest A&F University, China, August 31, 2018.
19. T. S. Chung, *Molecular design of polymer membranes for renewable energy (biofuel and osmotic power generation)*, International Conference on Renewable Recovery and Sustainable Development, Singapore, August 23, 2018.
20. T. S. Chung, *Sustainability by designing polymer membranes for water reuse, seawater desalination and osmotic power generation*, 4th International Conference of Chemical Engineering & Industrial Biotechnology (ICCEIB) 2018, Universiti Malaysia Pahang, Kuala Lumpur, Malaysia, August 1-2 (2018).
21. T. S. Chung, *Recent advances in my membrane R&D for clean air, clean energy, clean water and organic solvent nano-filtration*, the 11th conference of the Aseanian Membrane Society, Queensland, Australia, July 3-6, 2018.
22. T. S. Chung, *My membrane research at National University of Singapore (NUS)*, National Taiwan University and Technology, Taipei, Taiwan, June 19, 2018.
23. T. S. Chung, *Polymeric membranes for organic solvent recovery and osmotic power generation*, (a plenary talk), International Membrane Conference in Taiwan, June 22, 2018.
24. T. S. Chung, *Development of polymeric membranes from my labs*, (a plenary talk), 2018 AIChE Singapore Local Section Annual Conference, Singapore, May 18, 2018.
25. T. S. Chung, *Polymeric membranes for clean air, clean water, clean energy and organic solvent recovery*, (a plenary talk), 1st Singapore-China Membrane Separation Symposium, Aug. 20-23, Wuhan, China, May 18, 2018.
26. T. S. Chung, *Polymeric membranes for water reuse, seawater desalination and osmotic power generation*, (a plenary talk), The 6th Annual International Conference on Chemistry, Chemical Engineering and Chemical Process (CCECP 2018), Singapore, March 12–13, 2018.

27. T. S. Chung, *Water re-use and seawater desalination: Recent development on forward osmosis, membrane distillation and pressure retard osmosis membranes*, (a **plenary** talk), workshop on Collectively Advancing Innovative Solutions for Water Quality and Scarcity by University of South Africa, February 28, 2018.
28. T. S. Chung, *My Membrane Research at National University of Singapore (NUS)*, College of Science, Engineering and Technology, University of South Africa, February 26, 2018.
29. T. S. Chung, *Polymeric membranes for water reuse, seawater desalination and osmotic power generation*, The 2nd International Symposium on Innovative Desalination Technologies (2ISIDT). Gyeongju, Korea, September 20-22, 2017.
30. T. S. Chung, *Polymeric membranes for water reuse, seawater desalination and osmotic power generation*, The 17th Congress, Asian-Pacific Confederation of Chemical Engineering (APCCHE), Hong Kong, China, August 23-27, 2017.
31. T. S. Chung, *My Membrane Research at National University of Singapore (NUS)*, 11th International Congress on Membranes and Membrane Processes, San Francisco, USA, July 29-Aug 4, 2017.
32. T. S. Chung, *Polymeric membranes for clean water, clean air and renewable energy*, Symposium on Advances in Materials-oriented Chemical Engineering, 10th Academic Activities of the State Key Laboratory of Materials-Oriented Chemical Engineering, Nanjing Tech University, China, June 26, 2017.
33. T. S. Chung, *Polymeric membranes for haze removal, membrane distillation, organic solvent nano-filtration and osmotic power generation*, Membrane Center, Chung Yuan Christian University Taiwan, June 2, 2017.
34. T. S. Chung, *Polymeric membranes for water reuse, seawater desalination and osmotic power generation*, (a **plenary** talk), the 5th International Conference on Water, Energy and Environment (ICWEE/5), Dubai, United Arab Emirates, Feb 28-March 2, 2017.
35. T. S. Chung, *What is the next for forward osmosis (FO)* (a **plenary** talk), 2016 International Forward Osmosis Summit (IFOS): Forward Osmosis and Pressure Retarded Osmosis: Prospects and Challenges, Sydney, Dec 2-4, 2016.
36. T. S. Chung, *Design and fabricate polymeric membranes for water reuse, seawater desalination and osmotic power generation* (a **plenary** talk), Asian Workshop on Polymer Processing (AWPP-2016), Melbourne, Nov 6-9, 2016. <http://www.cvent.com/events/2016-asian-workshop-on-polymer-processing/speakers-d17368803c7e4935896d85aabfbacf60.aspx>
37. T. S. Chung, *Design of polymeric membranes for water reuse, seawater desalination and boron removal*, Industrial Technology Research Institute (ITRI), Hsinchu, Taiwan, Sept 21, 2016.
38. T. S. Chung, *Developments of polymeric membranes for pharmaceutical and life science industries*, Organized by Taiwan Ministry of Economics and Technology Development Center of Plastic Industries. Tainan, Taiwan, Sept 22, 2016.
39. T. S. Chung, *Design of polymeric membranes for water reuse, seawater desalination and osmotic power generation* (a **plenary** talk), the 5th IWA regional conference on membrane technology, Kunming, China, Aug 22-24, 2016. <http://www.iwa-rmtc2016.org/Home/Menu/12>
40. T. S. Chung, *From forward osmosis (FO) to pressure retarded osmosis (PRO), what is the next?* (a **plenary** talk), The 10th Conference of Aseanian Membrane Society (AMS10), Nara, Japan, July 26-29, 2016, <http://www.ams10.org/speakers.html>
41. T. S. Chung, *Developments of membranes for clean water and clean energy at NUS*, Membrane Society in Singapore (MEMSIS) Conference, July 9, 2016.
42. T. S. Chung, *Development of PRO Membranes - advances at NUS*, INES Seminar on Upscaling the production of Innovative Membranes, Singapore, July 7, 2016.
43. T. S. Chung, *Polymeric Membranes for Purification and Separation of Ethanol and Biofuels*, Ethanol and Biofuels Asia, Singapore, June 20-30, 2016.
44. T. S. Chung, *Polymeric membranes for clean water and clean energy*, NUS High School Research Congress, Feb 24, Singapore, 2016.
45. T. S. Chung and his students, *Light olefin/paraffin separation by membranes*, Pure and Applied Chemistry International Conference (PACCON), Bangkok, Thailand, Feb 9-11 (2016).
46. T. S. Chung, *Polymeric membranes for clean water and clean energy* (a **plenary** talk), Annual meeting of the Polymer Society, Taipei, Jan 29-30 (2016). <http://tps2016.conf.tw/>
47. T. S. Chung, *Polymeric membranes for clean water and clean energy* (a **plenary** talk), Asian Workshop on Polymer Processing (AWPP-2015), Singapore, Dec 1-4 (2015).

48. T. S. Chung, Polymeric membranes for water reuse, seawater desalination and osmotic power generation. KAUST WDRC Water center, Saudi Arabic, Nov 26 (2015).
49. T. S. Chung, Membrane technology for sustainable water reuse and production (a plenary talk), 150 years BASF Anniversary, Shanghai, China, November 9-11 (2015). <https://creator-space.basf.com/content/basf/creatorspace/en/events/symposium-shanghai.html>
50. T. S. Chung, *Seawater desalination in Singapore and the trend of world desalination in the future* (a plenary talk), the Third West Lake International Conference & Academicians of Chinese Academy of Engineering (CAE) Summit Forum on Seawater Desalination and Water Reuse, Hangzhou, China, Nov 5-6 (2015).
51. T. S. Chung, Polymeric membranes for desalination and osmotic power generation, 2015 Asia-Pacific International Desalination Technology Forum (9th APDA/MIAC & SDMU Joint Forum), Beijing, China, Oct 14-15 (2015).
52. T. S. Chung, *Polymeric membranes for clean water and osmotic power generation* (a plenary talk), International Conference on Emerging Water Desalination Technologies in Municipal and Industrial Applications (DesalTech2015) San Diego, USA, August 28-29 (2015). http://www.desaltech2015.com/assets/DesalTech2015PreliminaryProgram_May212015.pdf
53. T. S. Chung, *Advanced separation technologies based on polymeric membranes for clean water and clean energy*, Separation Techniques-2015, San Francisco, USA, August 10-12 (2015). <http://separationtechniques.conferenceseries.com/scientific-program.php?day=1&sid=983&date=2015-08-10>
54. T. S. Chung, *Designs of polymeric membranes for organic solvent recovery and osmotic power generation*, Asian Membrane Society conference (AMS9), Taiwan, July 19-21 (2015).
55. T. S. Chung, *Polymeric membranes for clean water and clean energy* (a plenary talk: <http://nscj.co.uk/ecm3/speakers.html>), the 3rd International Symposium on Energy Challenges and Mechanics, Aberdeen, UK, July 7-9 (2015).
56. T. S. Chung, *Polymeric membranes for clean water and clean energy*, Arkema R & D headquarter, King of Prussia, PA, USA, June 5 (2015).
57. T. S. Chung, *Molecular designs of polymeric membranes for clean water production and power generation*, School of Chemistry and Chemical Engineering, Hua Zhong Science and Technology U, Wuhan, China, April 14 (2015).
58. T. S. Chung, *Molecular designs of polymeric membranes for clean water production and power generation*, School of Chemistry and Chemical Engineering, Membrane Science workshop, Fu Dan U, April 16 (2015).