Curriculum Vitae

Name: Clark C.K. Liu, 劉成均
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Education:

B. S. Bioenvironmental Systems Engineering, National Taiwan University
M. S. Civil Engineering, University of Mississippi
Ph.D. Civil and Environmental Engineering, Cornell University

Experience:

- Senior Engineer/Senior Research Scientist, New York State Department of Environmental Conservation, Albany, NY (1975-80)
- Assistant Professor/Associate Professor/Professor and Chair, Department of Civil and Environmental Engineering, University of Hawaii (1980-2012)
- Program Director for Environmental Engineering, U.S. National Science Foundation (NSF) (2008-09)
- Visiting Professor, School of Environment and Energy, Peking University (2013-15)

Present Position: Emeritus Professor and Researcher, University of Hawaii (2012-present)

Specialty: Hydraulics/hydrology, water resources engineering, water environment modeling

Selected Publications

Books:

- Liu, C.C.K., Lin, P. and Xiao, H. (2022) *Water Environment Modeling*, CRC Taylor & Francis Group
- Shen, H.H., Cheng, A.H.D., Wang, K., Teng, M.H., Liu, C.C.K. (2002) *Environmental Fluid Mechanics: Theories and Applications*, American Society of Civil Engineers (ASCE)

Journal Articles:

- Liu, C.C.K. (2018). Ocean thermal energy conversion and open ocean mariculture: The prospect of Mainland-Taiwan collaborative research and development, *J. Sustainable Environmental Research*, https://doi.org/10.1016/j.serj.2018.06.002
- Lee, T.C. and Liu, C.C.K. (2018). Assessing eutrophication potential of a freshwater lake by relating its bioproductivity and biodiversity: A case study of Lake Wilson on Central Oahu, Hawaii, *J. Water* 2018, 10, 296. www. Mdpi.com/2073-4441/10/3/296/htm
- San, L., Long, T. and Liu, C.C.K. (2017). Algal bioproductivity in turbulent water: An experimental study, *J. Water* 2017, 9, 304. www. Mdpi.com/2073-4441/9/5/304/htm.
- Fan, W., Pan, Y., Liu, C.C.K., Wiltshire, J.C., Chen, C.A., and Chen, Y. (2015). Hydrodynamic design of deep ocean water discharge for the creation of a nutrient-rich plume in the South China Sea, *J. Ocean Engineering*, 108:356-368.
- Liu, C.C.K. (2013). Renewable-Energy-Driven reverse osmosis system for water desalination and aquaculture production, *J. Integrative Agriculture*, 12(8):1357-1362.
- Liu, C.C.K. and Dai, J. (2012). Seawater intrusion and sustainable yield of basal aquifers, *J. American Association of Water Resources (AWRA)*, 48(5):.861-870.
- Liu, C.C.K. Park, J. W., Migita, J. and Qing, G. (2002). Experiments of a prototype wind-driven reverse osmosis desalination system with feedback control, *J. Desalination*, 150(3):277-287.
- Liu, C.C.K., and Jin, Q. (1995). Artificial Upwelling in Regular and Random Waves, *J. Ocean Engineering*, 22:337-350.
- Liu, C.C.K. (1982). Filtering of dissolved oxygen data in stream water quality analysis, *Water Resources Bulletin*, *J. American Association of Water Resources (AWRA)*, 18(1):15-20.
- Liu, C.C.K. and Brutsaert, W.H. (1978).A non-linear analysis of the relationship between rainfall and runoff for extreme floods, *J. Water Resources Research*, 14(1):75-83.