

CV of Dr. Ting Fong May Chui

1. Academic Qualification

- PhD (2009), Stanford University, USA
- MS (2005), Stanford University, USA
- BSc (Honors; 2003), Lafayette College, USA

2. Positions Held (Chronological Order)

- Associate Professor (Tenured, 2019-present) and Assistant Professor (2013-2018), The University of Hong Kong (HKU), Department of Civil Engineering
- Assistant Professor (2009-2012), National University of Singapore (NUS), Department of Civil and Environmental Engineering

3. Research Areas Related to Ocean Science, Technology and/or Policy

- Dr. Chui studies coastal hydrodynamics and its interaction with ecology, particularly in coastal wetlands.

4. Funded Research Projects as Principal Investigator (PI), Co-PI or Co-Investigator (Co-I) over the Past 5 Years (Maximum 5 Projects):

Dr. Chui has completed a number of externally funded research projects (total value > HK\$6.4 million as PI and > HK 61.1 million as co-PI) and trained 6 PhD students as well as 3 postdoctoral researchers.

- Hydrological and ecological responses of tidal marshes to environmental changes in semi-enclosed bays (as PI). HK \$582,000 funded by Research Grants Council of Hong Kong (RGC), General Research Fund (GRF) (2017-20).
- Transition to green drainage system via optimal low impact development retrofits (as PI) HK \$675,647 funded by RGC GRF (2016-19).
- Porous pavement hydrological monitoring and experiments (as PI). HK\$ 1,264,250 funded by Drainage Services Department, Hong Kong Government. (2016-18).
- Incorporation of hyporheic zone into stream rehabilitation (as PI). HK\$ 495,922 funded by RGC GRF (2016-18).
- Influence of water and energy exchange between vegetated areas and shallow open water on wetland evapotranspiration (as PI). HK \$692,894 funded by RGC GRF (2015-17).

5. Five Key Publications over the Past 5 Years (*Corresponding author)

- Zhang, K., **Chui, T. F. M.*** & Yang, Y. (2018). Simulating the hydrological performance of low impact development in shallow groundwater via a modified SWMM. *Journal of Hydrology*, IF: 4.405, 566: 313-331.
- Yang, Y., **Chui, T. F. M.***, Shen, P. P., Yang, Y., & Gu, J. D. (2018). Modeling the temporal dynamics of intertidal benthic infauna biomass with environmental factors: Impact assessment of land reclamation. *Science of the Total Environment*, IF: 5.589, 618: 439-450.
- Yang, Y., & **Chui, T. F. M.*** (2017). Aquatic environmental changes and ecological implications from the combined effects of sea-level rise and land reclamation in Deep Bay, Pearl River Estuary, China. *Ecological Engineering*, IF: 3.73, 108: 30-39.
- Yang, Y., & **Chui, T. F. M.*** (2017). Hydrodynamic and transport responses to land reclamation in different areas of semi-enclosed subtropical bay, *Continental Shelf Research*, IF: 2.134, 143: 54-66.
- **Chui, T. F. M.***, Liu, X., & Zhan, W. (2016). Assessing cost-effectiveness of specific LID practice designs in response to large storm events, *Journal of Hydrology*, IF: 4.405, 533: 353-364.

6. Awards and Recognition

- Early Career Researcher Distinguished Lecture in Interdisciplinary Geosciences. Asia Oceania Geosciences Society 13th Annual Meeting, Beijing, China (2016)
- Faculty of Engineering Teaching Commendation List Award, NUS (2011-2012)
- NUS Sports Awards – Supportive Staff Award, a teaching award to staff who “have provided support, encouragement and assistance to student-athletes” (2011)
- Stanford Graduate Fellowship. An award from Stanford University to “outstanding students pursuing a doctoral degree in the sciences and engineering” (2003-2006)