

Thanh Duc Dang



THANH DUC DANG, PhD

Department of Civil and Environmental Engineering, University of South Florida,
Tampa, FL, USA 33620

(813) 573 9478 • ddt21@usf.edu • thanhiwer@gmail.com

Education (Most recent first):

College or University	Department and/or Major	Dates Attended	Degree
University of Canterbury	Civil Engineering	03/2014-03/2018	PhD
University of New South Wales	Civil Engineering	06/2009-12/2010	ME
Thuyloi University	Hydraulic Engineering	09/2002-06/2007	BE

Professional Experience:

Dates	Organization	Position
04/2021- Present	University of South Florida	Researcher
07/2021-Present	University of Tokyo	JSPS Research Fellow
04/2018-03/2021	Singapore University of Technology and Design	Research Fellow
07/2007-03/2014	Thuyloi University	Researcher

10 most pertinent Publications (of 34 journal articles total):

Siala, K., Chowdhury, K., Dang, T.D., Galelli, S. 2021. Solar energy and regional coordination as a feasible alternative to the $\hat{\square}^{\text{TM}}$ Battery of Asia $\hat{\square}^{\text{TM}}$ plan. *Nature Communications*, 12, 4159.

- Chowdhury, K., Dang, T.D., Nguyen, T.T.H., Koh, R., Galelli, S. 2021. The Greater Mekong's climate - water - energy nexus: how ENSO-triggered regional droughts affect power supply and CO₂ emissions. *Earth's Future*, 9(3).
- Tran, A.T., Dang, T.D., Nguyen, H.T., Van, P.H.T. 2021. Moving towards sustainable coastal adaptation: Analysis of hydrological drivers of saltwater intrusion in the Vietnamese Mekong Delta. *Science of the Total Environment*, 770, 145125.
- Dang, T.D., Vu, T.D., Chowdhury, K., Galelli, S. 2020. A software package for the representation and optimization of water reservoir operations in the VIC hydrological model. *Environmental Modeling and Software*, 126, 104673.
- Chowdhury, K., Dang, T.D., Bagchi, A., Galelli, S. 2020. Expected benefits of Laos hydropower development curbed by hydro-climatic variability and limited transmission capacity-opportunities to reform. *Journal of Water Resources Planning and Management ASCE*, 146(10), 05020019
- Dang, T.D., Chowdhury, K., Galelli, S. 2020. On the representation of water reservoir storage and operations in large- scale hydrological models: implications on model parameterization and climate change impact assessments. *Hydrology and Earth System Sciences*, 24(1): 397-416.
- Latrubesse, E., Park, E., Sieh, K., Dang, T.D., Lin, Y.N., Yun S. 2020. Dam failure and a catastrophic flood in the Mekong Basin (Bolaven Plateau), southern Laos, 2018. *Geomorphology*, 362, 107221.
- Hecht, J., Lacombe, G., Arias, M., Dang, T.D., Piman, T. 2019. Hydropower dams of the Mekong River basin: a review of their hydrological impacts. *Journal of Hydrology*, 568: 285-300.
- Dang, T.D., Cochrane, T.A., Arias, M.E., Van, P.D.T. 2018. Future hydrological alterations in the Mekong Delta under the impact of water resources development, land subsidence and sea level rise. *Journal of Hydrology: Regional Studies*, 15: 119-133.
- Dang, T.D., Cochrane, T.A., Arias, M.E., Van, P.D.T., de Vries, T. 2016. Hydrological alteration from water infrastructure development in the Mekong floodplains. *Hydrological Processes*, 30: 3824-3838.

Recent Activities

- Outstanding reviewer, *Journal of Water Resources Planning and Management*, 2020.
- Outstanding contribution in reviewing activities, *International Journal of Applied Earth Observation and Geoinformation*,
- Guest Editor and Topic Editor Board, *Remote*
- Active Reviewer: 34 journals (*Vietnam Science, Technology and Engineering, Journal of Hydrology, Journal of Water Resources Planning and Management ASCE, Computer Software & Modeling, Water Resources Research,*

Environmental Research Letters, Geophysical Research Letters, Hydrological Processes,).