



Tsang-Jung CHANG

Professor, Department of Bioenvironmental Systems Engineering, National Taiwan University, Taipei, Taiwan.

Division head, Disaster Research Center, National Taiwan University

Division head, Hydrotech Research Institute, National Taiwan University

Division head, Ecological Engineering Research Center, National Taiwan University

Ph.D., Dept. of Civil and Environmental Engineering, University of Illinois at Urbana-Champaign, Illinois, USA, 1997

Email: tjchang@ntu.edu.tw

Research interest:

Computational Fluid Mechanics, Computational Hydraulics, Ecological Hydraulics, Building and Environment

Selected publications:

1. Chen, A.S., Hsu, M.H., Chen, T.S., and Chang, T.J. (2005). "An Integrated Inundation Model for Highly Developed Urban Areas." *Water Science and Technology*, Vol. 51, No. 2, 221-229. (SCI)
2. Chang, T.J., Hsieh, Y.F., and Kao, H.M. (2006). "Numerical Investigation of Airflow Pattern and Particulate Matter Transport in Naturally Ventilated Multi-Room Buildings." *Indoor Air*, Vol. 16, Issue 2, 136-152. (SCI)
3. Chang, T.J., and Tu, Y.L. (2007). "Evaluation of Monthly Capacity Factor of WECS Using Chronological and Probabilistic Wind Speed Data: A Case Study of Taiwan." *Renewable Energy*, Vol. 32, Issue 12, 1999-2010. (SCI)
4. Chang, T.J., and Hu, T.S. (2008). "Transport Mechanism of Airborne Particulate Matter in Partitioned Indoor Environment." *Building and Environment*, Vol. 43, Issue 5, 886-895. (SCI)
5. Chang, T.J., Kao, H.M., Wu, Y.T., and Huang, W.H. (2009). "Transport Mechanisms of Coarse, Fine and Very Fine Particulate Matter in Urban Street Canopies for Different Building Layouts." *Journal of the Air & Waste Management Association*, Vol. 59, 196-206. (SCI)