

Curriculum Vitae

Chuen-Jinn Tsai

Position

Chair Professor, Institute of Environmental Engineering
National Chiao Tung University



Education Background

Ph. D. in Mechanical Engineering, University of Minnesota
M.S. in Mechanical Engineering, University of Minnesota
B.S. Mechanical Engineering, National Taiwan University

Professional Experience

Fellow, Asian Association Research Assembly, 2015.
Distinguished Engineering Professor, Chinese Institute of Engineers, 2015
Fellow, Taiwan Association for Aerosol Research (TAAR), 2012.
Distinguish Research Award, National Science Council, 2017, 2012, 2004
NSC Distinguished Research Project, 2009-2012
International Aerosol Fellow Award (2006).
Ho Chin Tui Distinguished Award, 2010
Distinguished Professor, Institute of Environmental Engineering, National Chiao Tung University, Feb. 2011-Apr. 2017.
Coordinator, Environmental Engineering Program, National Science Council, 2011-2013.
Research Professor, Environmental Engineering Science, Washington University in St. Louis, Aug., 2002-July., 2003
Professor, Institute of Environmental Engineering, National Chiao Tung University, since Aug., 1995.

Chairman, Institute of Environmental Engineering, National Chiao Tung University,
Aug., 1996—July, 1998; Aug., 2006—July, 2012.

Publications (at least 3 years)

1. Thi-Cuc Le, Krishna Kumar Shukla, Jung-Che Sung, Ziyi Li, Huajun Yeh, Wei Huang, Chuen-Jinn Tsai. (2018). Sampling Efficiency of Low-Volume PM10 Inlets with Different Impaction Substrates, *Aerosol Science and Technology* (published on-line)
2. Bo-Xi Liao, Neng-Chun Tseng and Chuen-Jinn Tsai, 2018, The Accuracy of the Aerosol Particle Mass Analyzer for Nanoparticle Classification, *Aerosol Science and Technology*, 52(1): 19–29. (Jan. 2018)
3. Bo-Xi Liao, Neng-Chun Tseng, Ziyi Li, Yingshu Liu, Jen-Kun Chen, Chuen-Jinn Tsai. (2018). Exposure Assessment of Process By-product Nanoparticles Released during the Preventive Maintenance of Semiconductor Fabrication Facilities, *Journal of Nanoparticle Research*, 20 (7):203 (2018, July).
4. Thi-Cuc Le and Chuen-Jinn Tsai, 2017, Novel non-bouncing PM2.5 impactor modified from well impactor ninety-six, *Aerosol Science and Technology*, Volume 51, Issue 11, 1287-1295. (Nov., 2017)
5. Ziyi Li, Yingshu Liu, Yujie Lin, Sneha Gautam, Hui-Chuan Kuo, Chuen-Jinn Tsai*, Huajun Yeh, Wei Huang, Shih-Wei Li, Guo-Jei Wu, 2017, Development of an Automated System (PPWD/PILS) for Studying PM2.5 Water-Soluble Ions and Precursor Gases: Field Measurements in Two Cities, Taiwan. *Aerosol and Air Quality Research*, 17(2): 426-443.
6. Li, Z. Y., Liu, Y.S., Yang, X., Xing, Y., Tsai, C. J., Wang, Z. Y., Yang, Q., Yang, R. T., 2016. Desorption of Polycyclic Aromatic Hydrocarbons on Mesoporous Sorbents: Thermogravimetric Experiments and Kinetics Study, *Ind. Eng. Chem. Res.*, 55, 1183–1191.
7. Chih-Liang Chien, Aditya Prana Iswara, Yi-Ling Liou, Bing-Tsai Wang, Jui-Chiao Chang, Yi-Hung Hung, Chuen-Jinn Tsai *, 2015, A real-time monitoring system for soluble gas pollutants and it's application for determining the control efficiency of packed towers, *Separation and Purification Technology*, Vol. 154, pp. 137-48. (Nov. 2015)
8. Chih-Liang Chien, Chi-Yu Tien, Chun-Nan Liu, Huajun Ye, Wei Huang, Chuen-Jinn Tsai*, 2015, Design and testing of the NCTU micro-orifice cascade impactor (NMCI) for the measurement of nanoparticle size distributions m, *Aerosol Science and Technology*, Vol. 49, pp. 41009-1018. (Oct. 2015)

9. Ziyi Li, Yingshu Liu, Yi Xing, Thi-Minh-Phuong Tran, Thi-Cuc Le, and Chuen-Jinn Tsai*, 2015, Novel Wire-on-Plate Electrostatic Precipitator (WOP-EP) for Controlling Fine Particle and Nanoparticle Pollution, Environmental Science and Technology, Vol. 49 (14), 8683-8690. (July, 2015)