**Curriculum Vitae**

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**Present Occupation:**

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**Education:**

Ph.D., Department of Civil Engineering, National Chiao Tung University, Taiwan.

**Professional Registration:**

Professional geotechnical engineer, Taiwan.

**Specialty:**

* Laboratory soil tests
* Geotechnical in situ tests
* Offshore geotechnical site investigation
* Geotechnical site investigation for marine structure
* Design and construction of physical models
* Design and modification of soil testing equipment for special application
* Monitoring and prediction for disaster mitigation

**List of Publications:**

* **Journal**

1. Hsu, H.H., Dong, J.J., Hsu, S.K., and Su, C.C. (2018) “Back Analysis of an Earthquake-triggered Submarine Landslide near the SW of Xiaoliuqiu,” *Terrestrial, Atmospheric and Oceanic Sciences,* Vol.29, No.1, pp.77-85. ISSN：1017-0839 (SCI).
2. Su, C.C., Hsu, S.T., Hsu, H.H., Lin, J.Y., and Dong, J.J. (2018) “Sedimentological Characteristics and Seafloor Failure Offshore SW Taiwan,” *Terrestrial, Atmospheric and Oceanic Sciences,* Vol.29, No.1, pp.65-76. ISSN：1017-0839 (SCI).
3. Huang, A.B., Chang, W.J., Hsu, H.H., and Huang, Y.J. (2015) “A Mist Pluviation Method for Reconstituting Silty Sand Specimens,” *Engineering Geology*, Vol.188, pp.1-9. ISSN：0013-7952 (SCI).

* **Conference**

1. **Hsu\*, H.H.**, Cheng, W.B., and Dong, J.J., (2019) “Dynamic Properties of Submarine Sediments off SW Taiwan,” *Proceedings, European Geosciences Union General Assembly 2019,* Vienna, Austria, Vol. 21, EGU2019-3348-1.
2. Lee, J.T., Hsieh, C.C., **Hsu\*, H.H.**, and Chan, T.W., (2019) “Development of an IoT-Cloud Based System and its Application to Structural Health Monitoring” *Proceedings, European Geosciences Union General Assembly 2019,* Vienna, Austria, Vol. 21, EGU2019-5545.
3. Dong, J.J., Nguyen, T.V., **Hsu, H.H.**, Cheng, W.B., Su, C.C., Yeh, Y.C., Lin, J.Y., and Hsu, S.K., (2019) “Submarine Landslide: A Case Study from Palm Ridge, Southwestern Taiwan Offshore,” *Proceedings, European Geosciences Union General Assembly 2019,* Vienna, Austria, Vol. 21, EGU2019-18230-2.
4. **Hsu\*, H.H.**, Cheng, W.B., and Hong, P.Z., (2018) “Correlations between Maximum Shear Modulus and Physical Properties of Submarine Sediments,” *The Third CICHE-JSCE Joint Workshop in 2018,* Taichung, Taiwan, pp. 24, Invited Speaker.
5. **Hsu\*, H.H.,** Su, C.C., Lee, J.T., Dong, J.J., Hong, P.Z., and Guo, Y.T. (2018) “Submarine Sediments’ Engineering Characteristics and Their Slope Stability Assessments off SW Taiwan,” *8th International Symposium on Submarine Mass Movements and Their Consequences* ***(ISSMMTC 2018)****,* Victoria, British Columbia, Canada, pp. 29.
6. **Hsu\*, H.H.**, Dong, J.J., Cheng, W.B., and Su, C.C., (2017) “Assessment of Submarine Slope Stability on the Passive Continental Margin,” *Proceedings, GeoBremen 2017,* Bremen, Germany.
7. **Hsu\*, H.H.**, and Dong, J.J., (2017) “Development of a Shear Vane for Evaluating Submarine Slope Stability,” *Proceedings,* Asia Oceania Geosciences Society (AOGS)*14th Annual Meeting,* Singapore.
8. **Hsu\*, H.H.**,Su,C.C.,Dong, J.J., Hsu, S.K., and Cheng, W.B., (2016) “Assessment of Submarine Slope Stability near the SW Xiaoliuqiu,” *1st International Workshop on Marine Geohazards (IWMGH2016),* Kaohsiung, Taiwan. (invited speaker)
9. **Hsu\*, H.H.**, Dong, J.J., and Cheng, W.B., (2016) “Submarine Velocity Structure and Slope Stability Assessment,” *13th International Conference on Gas in Marine Sediments (GIMS13),* Tromso, Norway.
10. **Hsu\*, H.H.,** Dong, J.J., Su, C.C., Cheng, W.B., Lin, J.Y., Yang, C.M., Wan, J.R., Huang, J.H., Liu, Q.M., and Su, Y.J., (2015) “The Strength Parameters and Slope Stability of Yuan-An Ridge off SW Taiwan,” *7th International Symposium on Submarine Mass Movements and Their Consequences* ***(SMMTC 2015)****,* Wellington, New Zealand.
11. **Hsu\*, H.H.,** Dong, J.J., Yang, C.M., Cheng, W.B., Hsu S.K., Huang, J.H., and Su, Y.J., (2014) “A Case Study on the Determination of the Strength of Seabed Sediments from SW Taiwan,” *Proceedings, 12th Congress* ***of International Association for Engineering Geology and the Environment (2014 IAEG)***, Torino, Italy.
12. **Hsu\*, H.H.**, (2012) “A Preliminary Design of a Calibration Chamber for Evaluating the Stability of Unsaturated Soil Slope,” *Proceedings, European Geosciences Union General Assembly 2012,* Vienna, Austria.