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EDUCATION

- 1989 **Ph. D.**
Civil Engineering, University of California at Berkeley, USA
- 1982 **M. S.**
Civil Engineering, University of California at Berkeley, USA
- 1979 **B. S.**
Civil Engineering, National Taiwan University, Taiwan, ROC

EXPERIENCE

- 2006-present **Professor**
Department of Civil Engineering, National Taiwan University,
Taipei, Taiwan, ROC
- 2017-2021 **Director General**
National Center for Research on Earthquake Engineering (NCREE),
Taipei, Taiwan, ROC
- 2013-2017 **Deputy Director**
National Center for Research on Earthquake Engineering (NCREE),
Taipei, Taiwan, ROC
- 2014-2018 **President**
Chinese Taiwan Society for Earthquake Engineering
- 2003-2013 **Head**
Building Division, National Center for Research on Earthquake Engineering
(NCREE), Taipei, Taiwan, ROC
- 2008-2014 **Member**
ACI Committee 318,
American Concrete Institute
- 2008-2010 **President**
Chinese Society of Structural Engineering
- 1995-2006 **Professor**
Department of Construction Engineering, National Taiwan
University of Science and Technology, Taipei, Taiwan, ROC
- 1989-1995 **Associate Professor**
Department of Construction Engineering, National Taiwan
Institute of Technology, Taipei, Taiwan, ROC
- 1982-1984 **Structural Engineer**
Sinotech Engineering Consultants, INC., Taipei, Taiwan, ROC

AWARDS and HONORS

- Outstanding Contribution Awards, Chinese Taiwan Society for Earthquake Engineering, Taiwan, ROC, 2021.
- Engineering Medal, Chinese Institute of Civil and Hydraulic Engineering, Taiwan, ROC, 2018.

- Honorary Member, Chinese Taiwan Society for Earthquake Engineering, Taiwan, ROC, 2018.
- Fellow, Chinese Society of Structural Engineering, Taiwan, ROC, 2013.
- Award for Outstanding Contributions in Science and Technology, Executive Yuan, Taiwan, ROC, 2011.
- Fellow, American Concrete Institute, Farmington Hill, MI, USA, 2011.
- Honorary Member, Chinese Society of Structural Engineering, Taiwan, ROC, 2010.
- NTU Chair Professor, National Taiwan University, Taipei, Taiwan, ROC, 2009.
- Teaching Excellence Award, National Taiwan University, Taipei, Taiwan, ROC, 2008.
- Distinguished Research Award, National Science Council, Taiwan, ROC, 2000, 2002.
- Engineering Paper Award, Chinese Institute of Engineers, Taiwan, ROC, 2009.
- Paper Award, Chinese Institute of Civil and Hydraulic Engineering, Taiwan, ROC, 1996, 1999, 2004, 2009.
- Paper Award, Chinese Society of Structural Engineering, Taiwan, ROC, 2002, 2017.
- Distinguished Teaching Award, National Taiwan University of Science and Technology, Taipei, Taiwan, ROC, 1992.
- Memberships: American Concrete Institute, Chinese Institute of Civil and Hydraulic Engineering, Chinese Society of Structural Engineering, Chinese Taiwan Society for Earthquake Engineering.

PUBLICATIONS

- Lin, J. L., Yu, G. J., Chuang, M. C., Lin, G. H., Weng, Y. T., Hwang, S. J., and Tsai, K. C. (2022). "Post-earthquake System Identification and Response Estimation of an Elastic Compound Building Using a Simplified Numerical Model," *Earthquake Engineering and Structural Dynamics*. <https://doi.org/10.1002/eqe.3718>.
- Ling, Y. C., Mogili, S., and Hwang, S. J. (2022). "Parameter Optimization for Pivot Hysteresis Model for Reinforced Concrete Columns with Different Failure Modes," *Earthquake Engineering and Structural Dynamics*, Vol. 51, Issue 10, pp. 2167-2187. <https://doi.org/10.1002/eqe.3658>.
- Hwang, S. J., Yang, Y. H., and Li, Y. A. (2022). "Maximum Shear Strength of Reinforced Concrete Beams," *ACI Structural Journal* V. 119, No. 2, March, pp. 19-20.
- Lin, J. L., Chen, W. H., Hsiao, F. P., Weng, Y. T., Shen, W. C., Weng, P. W., Chao, S. H., Chung, L. L., and Hwang, S. J. (2021). "Effects of Hysteretic Models on the Seismic Evaluation of a Collapsed Irregular Building from Bidirectional Near-fault Ground Motions on a Shake Table," *Engineering Structures*, 247 (2021) 113087.
- Hwang, S. J., Yang, Y. H., and Li, Y. A. (2021). "Maximum Shear Strength of Reinforced Concrete Deep Beams," *ACI Structural Journal*, V. 118, No. 6, November, pp. 155-164.
- Mogili, S., and Hwang, S. J. (2021). "Softened Strut-and-Tie Model for Shear and

Flexural Strengths of Reinforced Concrete Pile Caps,” *Journal of Structural Engineering*, ASCE, V. 147, No. 11, 04021169.

- Tsai, R. J., Hsu, Y. C., and Hwang, S. J. (2021). “Prediction of Lateral Load-Displacement Curve of Reinforced Concrete Walls with Openings under Shear Failure,” *ACI Structural Journal*, V. 118, No. 5, September, pp. 275-284.
- Suzuki, T., Elwood, K., Puranam, A., Lee, H. J., Hsiao, F. P., and Hwang, S. J. (2021). “Shake-table Tests of Seven-story Reinforced Concrete Structures with Torsional Irregularities: Test Program and Datasets,” *Earthquake Spectra*, V. 37, No. 4, pp. 2946-2970. 87552930211016869.
- Shen, W. C., Hwang, S. J., Li, Y. A., Weng, P. W., and Moehle, J. P. (2021). “Force-Displacement Model for Shear-Critical Reinforced Concrete Columns,” *ACI Structural Journal*, V. 118, No. 1, January, pp. 241-249.
- Lin, J. L., Kuo, C. H., Chang, Y. W., Chao, S. H., Li, Y. A., Shen, W. C., Yu, C. H., Yang, C. Y., Lin, F. R., Hung, H. H., Chen, C. C., Su, C. K., Hsu, S. Y., Lu, C. C., Chung, L. L., and Hwang, S. J. (2020). “Reconnaissance and Learning after the February 6, 2018, Earthquake in Hualien, Taiwan,” *Bulletin of Earthquake Engineering*, V. 18, No. 10, pp. 4725-4754.
- Mogili, S., Kuang, J. S., and Hwang, S. J. (2020). “Predicting Shear Strength of Reinforced Concrete Knee Joints in Closing and Opening Actions,” *Journal of Structural Engineering*, ASCE, V. 146, No. 6. DOI: 10.1061/(ASCE) ST.1943-541X.0002633.
- Li, Y. A., Weng, P. W., and Hwang, S. J. (2019). “Seismic Performance of RC Intermediate Short Columns Failed in Shear,” *ACI Structural Journal*, V. 116, No. 3, May, pp. 195-206
- Puranam, A. Y., Irfanoglu, A., Pujol, S., Chiou, T. C., and Hwang S. J. (2018). “Evaluation of Seismic Vulnerability Screening Indices Using Data from the Taiwan Earthquake of 6 February 2016,” *Bulletin of Earthquake Engineering*, DOI: 10.1007/s10518-018-0519-1.
- Yeh, R. L., Tseng, C. C., and Hwang, S. J. (2018). “Shear Strength of Reinforced Concrete Vertical Wall Segments under Seismic Loading,” *ACI Structural Journal*, V. 115, No. 5, September, pp. 1485-1494.