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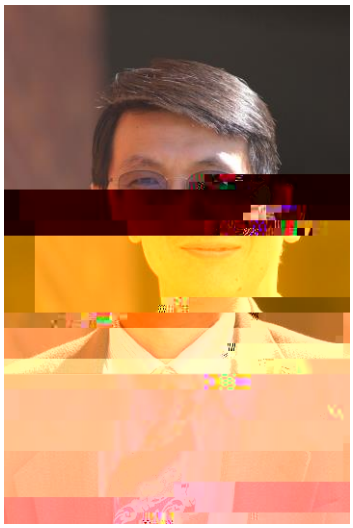

Areas of Expertise

- Foundation design and analysis
- Numerical modeling in geotechnical engineering
- Soil testing/evaluation/improvement
- Slope stability analysis

Education

- Ph.D. in Geotechnical Engineering, The Pennsylvania State University, University Park, 1995
- M.ENG. in Geotechnical/Structural Engineering, The Pennsylvania State University, University Park, 1991
- B.S. in Civil and Hydraulic Engineering, Chung-Yuan Christian University, Taiwan, 1985

Experience

- Assistant Professor/Associate Professor/Professor, Civil Engineering Department, Lamar University, Beaumont, Texas, 1998 Present
- Project Engineer/Geotechnical Engineer, GTS Technologies, Inc. Harrisburg, PA / Fairfax, VA, 1995 1998
- Graduate Assistant/Lab Instructor, The Pennsylvania State University, University Park, PA, 1990 1994
- Project Engineer, South Link Railway Engineering Project Office, Department of Transportation, Pingtung, Taiwan 1987-1988
- Civil Engineer, Giasan Engineering Project Office, Hualian, Taiwan, 1985 - 1987

Awards and Professional Membership

- Chi Epsilon, National Civil Engineering Honor Society, James M. Robbins Excellence-in-Teaching National Award , 2003
- Chi Epsilon, National Civil Engineering Honor Society, James M. Robbins Excellence-in-Teaching Award for the Southwest District, 2003
- University Merit Award, Lamar University, 2003

- Member, Sigma Xi (International Society of Scientific and Engineering Research), 1999 present
- Member, Phi Kappa Phi (National Honor Society), 1993 present
- Member, Chi Epsilon (National Civil Engineering Honor Society), 1990 - present

Selected Publications

- Jasmin Kurt, T Thuy Minh Nguyen, Zachariah Payne, Paul Bernazzani, and Xianchang Li, and Mien Jao, Improvement of Dredged Material using a Novel Bioenzyme and Portland Cement , accepted for publication and presentation in GeoAsai7 & IGS First Young Engineers Conference, Oct. 31-Nov. 4, 2022
- Md Ashraful Hoque, Chun-Wei Yao, Ian Lian, Jenny Zhou, Mien Jao, and Yu- Enhancement of Corrosion Resistance of a Hot Dip Galvanized Steel by Superhydrophobic Top Coating MRS Communications, The Materials Research Society, June 2022.
- "Modelling Sediment Load in Storm Drain System of Southeast Texas Coastal Region" Journal of Irrigation and Drainage Engineering, Vol. 148, Issue 4, April 2022
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Transport in Storm Drain System. *American Society of Civil Engineering EWRI congress conference*.

- Qin Qian, Benjamin Kolkmeier, Lin Su , Xing Wu, Mien Jao, Robert Yuan, Keh-

  MTEPC conference November, 2017, Taipei
- Sediment Transport Mechanics in Coastal Plain Shallow-Grade Storm Drain

  Beijian, China, June 4-6, 2017
- Qin Qian, Mien Jao, Jeremiah Fox, Experimental Study on Shorline Erosion using EM2 Geomodel. American Society of Civil Engineering

SPT, CPT and Texas Cone Penetration Tes
Texas Section Spring Meeting, CD-ROM (10 pages).

- S. Gudavalli, S. Gupta, N. Palla, M. Jao, M. Srinivasan, Xing Fang, S.

Meeting, CD-ROM (11 pages).

- X. Fang, R. Shrestha, A. W. Groeger, J. Lin, and M. Simulation of Impacts of Streamflow and Climate Conditions on Amistad
  Journal of Contemporary Water Research and Education, Issue 137, pp. 14-20, September 2007.
- M.S. Kim, M. Jao, A. J. Puppala, P. Chang, S. Yin, I. Pannila and J.

Geotechnical Publication, No 173, New Peaks in Geotechnics, ASCE, February 2007.

- C. Vipulanandan, A. J. Puppala, M. Jao, M. S. Kim, H. Vasudevan, and P.

Transportation 0-4862, pp. 1-182, August 2006.

- H. Vasudevan, A. J. Puppala, M. Jao, C. Vipulanandan, and S. Yin

Site and
Geomaterial Characterization, ASCE, pp. 40 47, June 2006.

-

the 6th International Conference on Ground Improvement Techniques, Coimbra, Portugal, pp. 341-348, 2005

-

Conference on Theoretical and Applied Mechanics, Tuskegee, Alabama, pp. 342-351, 2004

- X. Fang, M Jao, V. Zaloom, H. W. Chu, Nitin Nagrani, and James Few
  -Neches Waterway,
  -ROM (10 pages)
- V. Zaloom, X. Fang, M. Jao, H. W. Chu, N. K. Nagrani, and N. Thadani,
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- V. Zaloom, J. Lin, M. Jao, X. Fang, W. Chu, and S. Kamarajugadda,

Pennsylvania, prepared for Bureau of Land Management, U.S. Department of Interior, Washington, D.C., 1994.

- M. C. Wang, M. Jao, and C. W. Hsieh, "Effect of Underground Cavity on Footing Interaction", Proceedings of 13th International Conference on Soil Mechanics and Foundation Engineering, Vol. 2 1994, New Delhi, India, pp. 575-578.
- M. C. Wang, J. Q. Hull, M. Jao, B. A. Dempsey, and D. A. Cornwell, "Engineering Behavior of Water Treatment Sludge", Journal of Environmental Engineering, Vol. 118, No. 6, November/December 1992, ASCE, pp. 848-864.
- M. C. Wang, J. Q. Hull, and M. Jao, "Stabilization of Water Plant Sludge for Possible Utilization as Embankment Material", Transportation Research Board, No. 1345, 1992, pp. 36-43.
- The Pennsylvania State university, University Park, Pennsylvania, 1991.

Funded Research Projects:

- Co-PI: Finding an Efficient Solution to Managing Dredge Waste in Ports and Waterways Center for Advances in Port Management (CAPM), Lamar University, 02/01/2021 -08/30/2021, $33,000, with Drs. Thuy Minh Nguyen, Zhe Luo, XianChang Li, Qin Qian and Paul Bernazzani
- Co- Stabilization of Texas Dredge

  06/30/2021, $16,250 with Drs. Thuy Minh Nguyen, Zhe Luo,and Paul Bernazzani
- Co-
  Gas in Southeast
  for Midstream Management and Science, Lamar University, 06/01/2020 08/30/2021, $30,000 with Drs. Ping He and Clayton Jeffryes.
- Co-PI: Development of Sustainable and Energy Efficient Soil Bricks using Dredge Spoils Lamar REG, 09/01/2019 -08/30/2020, $5,000
- Co-PI Wake Wash in Sabine- Phase _I1 0 0 1 322.61 259.49 Tma_I

- funded by Lamar Research Enhancement Grant, 09/1/12-08/31/13, $5,000.
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