

Biographical Sketch: Dr. Xing Fang, P.E., BC.WRE, F.EWRI, F.ASCE
Arthur H. Feagin Chair Professor, Department of Civil and Environmental Engineering
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a. Professional Preparation

Tsinghua University	Hydraulic Engineering	B.S., 1987
University of Minnesota	Civil Engineering	M.S., 1991
University of Minnesota	Civil Engineering	Ph.D., 1994
University of Minnesota	Water Quality Modeling	1994–1995 Postdoc

b. Appointments

- 8/2013-present Professor (8/2013–9/2014), Arthur H. Feagin Chair Professor (10/1/2014–), Department of Civil and Environmental Engineering, Auburn University, Auburn, AL, U.S.A.
- 8/2007-8/2013 Associate Professor, Department of Civil Engineering, Auburn University, Auburn, AL, U.S.A.
- 9/2006-8/2007 Professor, Department of Civil Engineering, Lamar University, Beaumont, TX, U.S.A., serves as an adjunct professor and graduate faculty member at Lamar University from August of 2007 to present.
- 9/2000-8/2006 Associate Professor, Department of Civil Engineering, Lamar University, Beaumont, TX, U.S.A.
- 9/1995-8/2000 Assistant Professor, Department of Civil Engineering, Lamar University, Beaumont, TX, U.S.A.
- 6/1996-8/1996 Visiting Research Assistant Professor, St. Anthony Falls Laboratory, Dept. of Civil Engineering, University of Minnesota, Minneapolis, MN, U.S.A.
- 5/1994-8/1995 Postdoctoral Research Associate, St. Anthony Falls Laboratory, Department of Civil Engineering, University of Minnesota, Minneapolis, MN, U.S.A.
- 7/1987-9/1989 Research Hydraulic Engineer, Department of Hydraulic Engineering, Tsinghua University, Beijing, P. R. China.

c. Publications (7 Book Chapters, 130 Referred Journal Articles, 65 Technical Reports, 63 Conference Proceeding Papers, <https://eng.auburn.edu/users/xzf0001/publication.html>).

- Zhiming Zhang, Di Liu, Xing Fang, Rui Zhang, Wenliang Wang, Junqi Li, and Shengfeng Ma, 2022. "Required Number of Years of Rainfall Data to Determine the Design Rainfall Depth of Source Control in Sponge City Construction", 41(2022):101112, <https://doi.org/10.1016/j.ejrh.2022.101112>, Journal of Hydrology: Regional Studies.
- Suresh Sharma, Puneet Srivastava, Xing Fang, and Latif Kalin, 2012. "Incorporating Climate Variability for Point Source Discharge Permitting in a Complex River System". Transactions of the American Society of Agricultural and Biological Engineers (ASABE), 55(6):2213-2228.
- Fang, Xing, Liping Jiang, P. Jacobson, H. G. Stefan, Shoeb R. Alam, and D. Pereira, 2012. "Identifying Cisco Refuge Lakes in Minnesota under Future Climate Scenarios." The Transactions of the American Fisheries Society, 141:1608-1621, DOI:10.1080/00028487.2012.713888

- Jiang, Liping, X. Fang, H. G. Stefan, P. Jacobson, and D. Pereira, 2012. “Oxythermal Habitat Parameters and Identifying Cisco Refuge Lakes in Minnesota under Future Climate Scenarios using Variable Benchmark Periods.” *Ecological Modeling*, 232(2012):14-27.
- Fang, X. and H. G. Stefan, 2009. “Simulations of Climate Effects on Water Temperature, Dissolved Oxygen, Ice and Snow Covers in Lakes of the Contiguous U.S. under Past and Future Climate Scenarios”. *Limnology and Oceanography*, 54(6): 2359-2370
- Fang X., Shrestha, R., Gorger, A. W., Lin, J., and Jao, M., 2007. “Simulation of Impacts of Streamflow and Climate Conditions on Amistad Reservoir,” *Journal of Contemporary Water Research and Education*. Published by the Universities Council on Water Resources (UCOWR), U.S.A., 137 (September 2007):14-20.
- Fang, X., Stefan H. G., Eaton, J. G., McCormick, J. H., and Alam S. R., 2004. “Simulation Thermal Habitat in Small Lakes Under Different Climate Scenarios, Part 1. Cool-water Fish in the Contiguous U.S.,” *Ecological Modelling*, 172(1):13-37.

d. Synergistic work

Fang was a co-co-principal investigator for the U.S. EPA STAR grant “Alterations of Water Availability, Water Quality and Fish Habitats in Cold Regions by Climate Change” from 1995 to 1998 under the research category of “Regional Hydrologic Vulnerability to Global Climate Change.” Under the grant, the team had 45 publications including 22 journal papers, and Fang was author or co-author for 19 of these 45 publications. Fang was an Associate Editor in surface hydrology and water quality modeling for the *Journal of American Water Resources Association*. Fang is a Board-certified Water Resources Engineer (BC.WRE) with credentials from the American Academy of Water Resources Engineers. Fang has over 34 years of experience in research and teaching in water resources engineering (hydrological and hydraulic analysis and modeling) and environmental hydrodynamics (lake/reservoir /estuary modeling). Fang was a principal and co-investigator for various research projects funded by such as the U.S. Environmental Protection Agency, the U.S. Department of Agriculture, the U.S. Army Corps of Engineers, Texas, Iowa, and Alabama Department of Transportation, the Texas Water Development Board, the Minnesota Department of Natural Resources, Southern Company, etc.

e. Collaborators & Other Affiliations

- (i) Collaborators:** Michael A. Perez, Jose Vasconcelos, Jeffrey LaMondia, Benjamin Bowers, Wesley Donald, Di Tian, Hanqin Tian, Ming-Kuo Lee, Wesley Zech (Auburn University), T. Prabhakar Clement (University of Alabama), Heinz G. Stefan (University of Minnesota), Nin-Bin Chang (University of Central Florida)
- (ii) Graduate and Postdoctoral Advisors:** Heinz G. Stefan (University of Minnesota)
- (iii) Thesis Advisor and Postgraduate-School Sponsor:** Matthew D. Ricks (Georgia Southern University), Bushra Tasnim, Gang Chen (Hohai University), Xiaoning Li (Jiangsu University), Zuhier Alakayleh (Mutah University), Liping Jiang (Montana Tech), Manoj KC, Janesh Devkota, Suresh Sharma (Youngtown University), Nirajan Dhakal (Spelman College), Golbahar Mirhosseini, Dehui Su, Shoudong Jiang, Pratistha Pradhan, Jinwei Qiu, Alam Reaz Shoeb, Jasmeet Singh Lamba, Sushban Shrestha, Christopher Logan, Thomas Weems, Nitin K. Nagrani, Agnihtri Nilesh, Gharty Chhetri OM, Khanal Prakash, Malla Ranjit, Gajendra Shrestha, Rajendra Shrestha.