

# Xinyu Fu, Ph.D., AICP

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## RESEARCH INTERESTS

Urban resilience and sustainability | Urban planning and governance | Hazard Mitigation | Climate Adaptation

## ACADEMIC APPOINTMENTS

- Nov. 2018-Present **Postdoctoral Research Associate**  
Urban Studies Institute, Georgia State University, Atlanta, GA
- Aug.2018-Present **Research Fellow**  
International Center for Adaptation Planning and Design, College of Design, Construction and Planning, University of Florida, Gainesville, FL

## EDUCATION

- 2018 **Ph.D.**, Urban and Regional Planning, University of Florida  
Dissertation Title: Understanding the Locally Emerged Adaptation Planning for Sea-Level Rise in the United States: Evidence from the Vulnerability Assessments, Institutional Adaptive Capacity, and Adaptations
- 2017 **M.E.**, Transportation Engineering, University of Florida
- 2013 **M.C.R.P.**, Community and Regional Planning, University of Nebraska
- 2011 **B.E.**, Water and Waste Water Engineering, South China University of Technology

## RESEARCH EXPERIENCES

- 2018-Present Urban Studies Institute, Georgia State University  
Postdoctoral Research Associate: Working on an interdisciplinary project to investigate the urban ramifications of climate change in relation to the infrastructures and developments with Dr. Jan Nijman (Urban Studies), Dr. Risa Palm (Geosciences), Dr. Toby Bolsen (Political Science), Dr. Dan Immergluck (Urban Studies), Dr. David Iwanic (Urban Studies), and Dr. Vincent Yao (Real Estate).
- 2014-2018 Department of Urban and Regional Planning, University of Florida  
Research Assistant: Worked with Dr. Zhong-Ren Peng on several research projects funded by the NSF, Florida Sea Grant, and UF Seed Grant.

2011-2013 Department of Community and Regional Planning, University of Nebraska  
Research Assistant: Worked with Dr. Zhenghong Tang on two EPA projects  
focusing on stormwater management.

## PUBLICATIONS

### Published

2019

1. Sun, B, **Fu, X**, Ren, J, Fu, S, and Zhang, N. Blue Dividend Effect of Environmental Regulation: Evidence from Manufacturing Enterprises. *China Environmental Science*. Accepted. (In Chinese)

2018

2. **Fu, X**, and Peng, Z. Assessing the Sea-Level Rise Vulnerability in Coastal Communities: A Case Study in the Tampa Bay Region, US. *Cities*. DOI: 10.1016/j.cities.2018.10.007.
3. Dou, H, Ming, T, Li, Z, Peng, C, Zhang, C and **Fu, X**. Numerical simulation of pollutant dispersion characteristics in a three-dimensional urban traffic system. *Atmospheric Pollution Research*. DOI 10.1016/j.apr.2018.01.018.
4. Song, J, **Fu, X**, Wang, R, Gu, Z and Peng, Z. Does Planned Retreat Matter? Investigating Land Use Change Under the Impacts of Flooding Induced by Sea Level Rise. *Mitigation and Adaptation Strategies for Global Change*. 23(5), 703-733.

2017

5. **Fu, X**, and Song, J. Assessing the Economic Costs of Sea Level Rise and Benefits of Coastal Protection: A Spatiotemporal Approach. *Sustainability*. 9(8), 1495-1509.
6. **Fu, X**, Gomma, M, Deng, Y and Peng, Z. Adaptation Planning for Sea Level Rise: A Study of US Coastal Cities. *Journal of Environmental Planning and Management*. 60(2), 249-265.
7. Song, J, **Fu, X**, Gu, Y, Deng, Y and Peng, Z. An Examination of Land Use Impacts of Sea Level Rise Induced Flooding. *Natural Hazards and Earth System Sciences*. 17(3), 315-334.
8. Deng, Y, Young, C, **Fu, X**, Song, J and Peng, Z. The Integrated Impacts of Human Activities and Rising Sea Level on The Saltwater Intrusion in The East Coast of the Yucatan Peninsula, Mexico. *Natural Hazards*. 85(2), 1163-1088.

2016

9. **Fu, X**, Song, J, Sun, B and Peng, Z. "Living on the Edge": Estimating the Economic Cost of Sea Level Rise on Coastal Real Estate in Tampa Bay Region, Florida. *Ocean & Coastal Management*. 133, 11-17.

2013

10. **Fu, X**, and Tang, Z. Planning for the Drought-Ready Communities: An Evaluation of Local Land Use Plans in the Fastest Growing Counties in the U.S. *Cities* 32, 60-69.
11. Tang, Z, Dai, Z, Fu, X and Li, X. Examining the Capacity of the U.S. Coastal States' Climate Action Plans in Managing the Risks of Extreme Climate Events and Disasters. *Ocean & Coastal Management* 80, 46-54.
12. **Fu, X**, Tang, Z, Wu, J and McMillian, K. Drought Planning Research in the United States: An Overview and Outlook. *International Journal of Disaster Risk Science* 4(2), 51-58.
13. **Fu, X**, Svoboda, M, Tang, Z, Dai, Z and Wu, J. An Overview of U.S. State Drought Plans: Crisis or Risk Management? *Natural Hazards* 69(3), 1607-1627.

### Under Review

14. **Fu, X**, Frank, K and Peng, Z. Evaluating the Sea-Level Rise Vulnerability Assessments in the United States.
15. **Fu, X**, and Peng, Z. Will Higher Institutional Adaptive Capacity Lead to More Adaptation for Sea-Level Rise? Evidence from Coastal Localities in the United States.

### In Progress

16. **Fu, X.**, Sun, B. and Nijman, J. Does Coastal Real Estate Market Price Sea-Level Rise: Evidence from Pinellas and Miami-Dade County, FL.
17. Sun, B. and **Fu, X**. The Influence Mechanism and Heterogeneity of Environmental Regulation on Zombie Enterprises: A Quasi-nature Experiment Based on China's Cleaner Production Catalog.

## **PRESENTATIONS**

### Invited Presentations

- 2018 Local Adaptation Planning for Sea-Level Rise in the United State: Evidence from the Vulnerability Assessments. International Forum for Outstanding Young Scholars hosted by the East China University of Science and Technology. Shanghai, China.
- 2017 Mainstreaming Sea-Level Rise Adaptation into Local Planning in the US. International Young Scholar Forum hosted by Guangzhou University. Guangzhou, China.
- 2017 Building Resilience by Adaptation to Future Sea Level Rise: A Study of US Coastal Cities. International Workshop on Urban Resiliency and Sustainability Hosted by Northeastern University. Shenyang, China.

### Paper Presentations

- 2017 Assessing the Economic Costs of Sea Level Rise and Benefits of Adaptation. The 57<sup>th</sup> Association of Collegiate Schools of Planning (ACSP) Annual Conference. Denver, USA.
- 2017 Local Adaptation Planning for Sea Level Rise in the United States. The 11th International Association for China Planning (IACP) Conference. Harbin, China.
- 2016 Estimating the Economic Cost of Sea Level Rise: A Hedonic Approach. The 10th International Association for China Planning (IACP) Annual Conference. Beijing, China.
- 2015 Estimating the Costs and Benefits of Adaptations for Sea-Level Rise. The 55th Association of Collegiate Schools of Planning (ACSP) Annual Conference. Houston, USA.
- 2013 Are We Planning for Future Drought or Water Shortage? The 7th International Association for China Planning (IACP) Conference. Shanghai, China.
- 2012 Planning for water shortage: An assessment of state-level drought plans in the U.S. The Water for Food Conference. Lincoln, USA.

## TEACHING EXPERIENCES

### Georgia State University

Lecturer, GIS Applications (Fall, 2019)

Co-Lecturer, GIS Applications (Spring, 2019)

### University of Florida

Teaching Assistant, Planning Administration and Ethics (Spring 2018); Planning for Climate Change (Spring, 2017 and 2018); Internet GIS (Fall, 2014)

## SERVICES

### Ad-Hoc Reviewer

Ecosystem Services | International Journal of Disaster Risk Science | Journal of Environmental Planning and Management | Natural Hazards | Journal of Urban Technology | Journal of Marine Science and Engineering | Ocean & Coastal Management | Sustainability | Environmental Research Communications

## AWARDS

2017	Peter Kanavos, Sr. Memorial Award (University of Florida)	\$500
2017	Dean's Travel Award (University of Florida)	\$800
2017	Travel Award (International Association for China Planning)	\$500
2017	UF Open Access Publishing Fund (University of Florida)	\$2,000
2014	Graduate Student Fellowship (University of Florida)	\$22,000/ yr

## PROFESSIONAL EXPERIENCES

2013-2014 Hazard Mitigation Planner  
JEO Consulting Group, Inc., Lincoln, Nebraska, USA

## PROFESSIONAL MEMBERSHIPS

American Planning Association (APA)  
Association of Collegiate Schools of Planning (ACSP)  
International Association for China Planning (IACP)  
American Society of Adaptation Professionals (ASAP)