# HAITAO YU

American Institute of Certified Planners (AICP) certification in progress
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## TOPICS

Shared mobility, big data analytics, transportation economics & geography, transportation adaptation planning, transportation and land use, travel demand (behavior) modeling, high-speed rail, econometrics

## EDUCATION

**University of Florida**, Gainesville, FL, US 2015.8-2019.5 (expected)
**Ph.D. Candidate** in Urban and Regional Planning
**PhD dissertation**: Unveiling the spatial and temporal relationships between ridesourcing and built environment
**Committee**: Dr. Zhong-Ren Peng (Chair), Dr. Ruth Steiner, Dr. Siva Srinivasan, Dr. Lili Du

**University of Florida**, Gainesville, FL, US 2016.9-2018.12
**MSc** in Civil Engineering (Transportation Engineering)
**Advisor**: Dr. Siva Srinivasan

**University of Texas at Austin**, Austin, TX, US 2013.8-2015.5
**MSc** in Community and Regional Planning
**Advisor**: Dr. Ming Zhang

**Central South University**, Changsha, HN, CN 2008.8 -2013.5
**BEng** in Urban Planning

## PEER-REVIEWED ARTICLES, RESEARCH REPORTS & OTHERS

### Peer-Reviewed Articles

- **Yu, H.** & Peng, ZR, Ridesourcing demand and built environments: an structural equation modeling approach, Urban Studies, accepted (forthcoming)
- **Yu, H.** & Peng, Z. R. (2019). Exploring the spatial variation of ridesourcing demand and its relationship to built environment and socioeconomic factors with the geographically weighted Poisson regression. Journal of Transport Geography.
- **Yu, H.** (2018). A review of input–output models on multisectoral modelling of transportation–economic linkages. Transport Reviews, 38(5), 654–677. https://doi.org/10.1080/01441647.2017.1406557
- **Yu, H.**, Jiao, J., Houston, E., & Peng, ZR. (2018). Evaluating the relationship between rail transit and industrial agglomeration: An observation from the Dallas-fort worth region, TX. Journal of Transport Geography, 67, 33–52. https://doi.org/10.1016/j.jtrangeo.2018.01.008
- **Yu, H.**, Pang, H., Zhang, M. (2018). Value-added effects of transit-oriented development: The impact of urban rail on commercial property values with consideration of spatial heterogeneity. Papers in Regional Science 97, 1375–1396. https://doi.org/10.1111/pirs.12304
- **Yu, H.**, Zhang, M., & Pang, H. (2017). Evaluation of transit proximity effects on residential land prices: an empirical study in Austin, Texas. Transportation Planning and Technology, 40(8), 841–854. https://doi.org/10.1080/03081060.2017.1355880
- Sun, B., **Yu, H.**, Peng, ZR., & Gao, Y. (2017). High-Speed Rail and Manufacturing Agglomeration: Evidence from Beijing-Guangzhou High-Speed Rail in China. Transportation Research Record: Journal of the Transportation Research Board, 2606, 86–95. https://doi.org/10.3141/2606-12

**Manuscript in Preparation**

- Inferring ridesourcing trip purpose using large ridesourcing data
- Economic impacts of the freight trucking industry in Florida economy: an input-output analysis

**Research Report**

- Peng, Z.-R., **Yu, H.**, & Tabatabaee, F., (2018). Economic Analysis Framework for Freight Transportation Based on Florida Statewide Multi-Modal Freight Model. Tallahassee, FL: Florida Department of Transportation.
- Peng, Z.-R., **Yu, H.**, & Tabatabaee, F., (2019, expected) Florida freight transportation economic impact kit (FTEIK)—Technology transfer development. Tallahassee, FL: Florida Department of Transportation.

**Conference Papers**

- **Yu, H.**, "Spatial Pattern of Industry Agglomeration and Transportation Proximity in Dallas, Texas", 2016 56th Annual Association of Collegiate Schools of Planning Conference

## RESEARCH PROJECTS

*Florida Freight Transportation Economic Impact Kit (FTEIK)—Tech Transfer Development* 2018.05-2018.12

**Funding**: Florida Department of Transportation (FDOT) $38,000
**PI**: Frank Tabatabaee & Thomas Hill (FDOT); Dr. Zhong-Ren Peng (UF)

- Developed project proposal and scope of work, and assisted with budget plan
- Developed software manual, FAQ, and case studies for using FTEIK
- To hold webinars to DOT and MPO staff on the use of FTEIK (next spring)

*Economic Analysis Framework for Freight Transportation based on Florida Statewide Multi-Modal Freight Model* 2016.08-2018.03

**Funding agency**: FDOT $339,930
**PI**: Frank Tabatabaee & Thomas Hill (FDOT); Dr. Zhong-Ren Peng (UF)

- Developed project proposal and scope of work, created project schedules, and assisted with the budget plan
- Led an interdisciplinary team of graduate researchers and visiting scholars from urban planning, civil engineering, and economics, assigned tasks, tracked project progress to satisfy desired outcomes and to meet deadlines
- Designed project road map, defined economic models best suited for the project, and proposed an economic analysis framework that integrates the FreightSIM with a regional input-output model
- Developed a software (Python) based on the economic analysis model
- Organized monthly meetings, presented at FDOT task force meeting, etc.

## TEACHING

- Teaching assistant & Co-lecturer (course rating: 4.7/5) 2018 Spring; 2019 Spring
  **Course**: Transportation and Land use modeling University of Florida
- Teaching assistant (course rating: 4.3/5) 2015 Spring
  **Course**: Visualization-Communication and GIS University of Texas at Austin

## CONFERENCE PRESENTATIONS, POSTERS, & INVITED TALKS

- **Haitao Yu**, Zhong-Ren Peng, Siva Srinivasan, Ruth Steiner (October, 2018 Buffalo, NY), Exploring the spatial varying relationship between transportation network company demand and urban built environment, Presented at 2018 the 58th Annual Association of Collegiate Schools of Planning Conference

- **Haitao Yu** (January, 2018 Washington, DC), Developing an Economic Analysis Framework for Road Freight Transportation Based on Florida Statewide Multi-Modal Freight Demand Model. Presented at 2018 the 97th Transportation Research Board Annual Meeting
- (Poster) **Haitao Yu** (January, 2018 Washington, DC), With Zhong-Ren Peng, Frank Tabatabaee, Thomas Hill, Florida Freight Transportation Economic Impact Kit (FTEIK): An Integration of Florida Statewide Multi-Modal Freight Demand Model (FreightSIM) and Regional Economic Input-Output Model in Florida. Presented at 2018 the 97th Transportation Research Board Annual Meeting.
- **Haitao Yu** (October, 2017 Long Beach, CA), Economic impacts of the freight trucking industry in Florida economy: an input-output analysis. Presented at the 2017 International Urban Freight Conference
- (Invited talks) **Haitao Yu** (October, 2017 Orlando, FL), Freight economic research with FreightSIM, at the Florida Model Task Force Meeting
- **Haitao YU** (August, 2017 Ponte Vedra, FL), Value-added effects of transit-oriented development: The impact of urban rail on commercial property values with consideration of spatial heterogeneity. Presented at 2017 Florida Department of Transportation TransPlex (Transportation Planning Exchange) conference
- **Haitao YU** (January, 2017 Washington, DC), High-Speed Rail and Manufacturing Agglomeration: Evidence from Beijing-Guangzhou High-Speed Rail in China. Presented at 2017 the 96th Transportation Research Board Annual Meeting
- **Haitao Yu** (November, 2016 Portland, OR), Spatial Pattern of Industry Agglomeration and Transportation Proximity in Dallas, Texas. Presented at 2016 56th Annual Association of Collegiate Schools of Planning Conference

## PROFESSIONAL EXPERIENCE

**Graduate researcher** 2015.8-current
University of Florida
- Developed proposals for several projects funded by FDOT (with two projects approved)
- Worked as a lead graduate researcher in two projects funded by FDOT
- Developed a python-based software for economic analysis of freight
- Supervised research team, coordinated with FDOT, and monitored project progress
- Worked with advisor in soliciting funding and developed proposals for funding sources such as National Science Foundation (NSF) and FDOT
- Conducted literature review and data analysis, and authored research papers and reports
- Conducted independent research on transit, ridesourcing, and high-speed rail

**Research fellow** 2015.06-2015.08
Network Modelling Center in Center for Transportation Research
University of Texas at Austin
- Managed transportation data
- Advised the Task Force Vision Zero from the City of Austin in crash analysis

**Graduate research assistant** 2014.06-2014.08
Department of Community and Regional Planning
University of Texas at Austin
- Conducted GIS mapping and data analysis

## JOURNAL REVIEW

- Geography Compass, 2018, 2019
- Regional Science Policy and Practice, 2018
- Transportation Research Record: Journal of the Transportation Research Board (Committees AP065, AT025), 2017, 2018

- Urban Studies, 2016, 2017
- Journal of Transport and Land Use, 2017, 2019

## FELLOWSHIP, AWARDS

- *ACSP Student Travel Award*, Association of Collegiate Schools of Planning, 2018
- *Full Graduate Student Fellowship*, University of Florida, 2015-2019
- *Office of Research grant,* University of Florida, 2018
- *Department of urban and regional planning travel grant*, University of Florida, 2018
- *College of design, construction and planning travel grant*, University of Florida, 2018
- *STRIDE grant for Transportation research board conference,* The Southeastern Transportation Research, Innovation, Development and Education (STRIDE) Center, University of Florida, 2017

## MEMEBERSHIP

American Planning Association; American Planning Association, Florida Chapter; American Society of Civil Engineers