

CURRICULUM VITAE

Chia-Yuan Yu, Ph.D.

Urban & Regional Planning program
School of Public Administration
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EDUCATION

- 2014 Ph.D. in Urban & Regional Science, Texas A&M University
Dissertation title : *Environmental correlates of traffic collisions*
Certificate for Geographic Information Systems (GIS), Texas A&M University.
- 2009 M.S. in Urban Planning, National Taiwan University, Taiwan
- 2007 B.S. in Urban Planning, National Cheng Kung University, Taiwan

ACADEMIC APPOINTMENTS

- 2015– Assistant Professor, Urban and Regional Planning program, School of Public Administration, University of Central Florida, Orlando, FL.
- 2014–2015 Research Associate, Texas A&M Transportation Institute, College Station, TX.

RESEARCH AND TEACHING INTERESTS

- Transportation planning – land use and travel behavior, urban form and traffic safety, sustainable transportation.
- Healthy communities – built environment and physical activity, residential self-selection and walking behavior, health impacts of transportation.
- Social disparity – race/ethnic and income disparity in walking and traffic safety.
- Quantitative methods – spatial statistics, Hierarchical Linear Modeling (HLM), Structural Equation Modeling (SEM).
- GIS application in the urban planning field

RESEARCH

PUBLICATIONS (* Denotes Student as Co-author)

Peer-Reviewed Journal Articles (17)

- [17] Yu, C., Xu, M., Towne, S. & Iman, S.* (In press). The impacts of Complete Streets on the change in property values. *Journal of Transport and Health*. **Journal Impact factor: 1.718**
- [16] Yu, C., Hou, S. & Miller, J.* (In press). Health for older adults: The role of social capital and leisure-time physical activity by living arrangements. *Journal of Physical Activity and Health*. **Journal Impact factor: 1.946**
- [15] Lin, L., Yu, C. & Chang, F.* (In press). Determinants of CSER practices for reducing greenhouse gas emissions: From the perspectives of administrative managers in tour operators. *Tourism Management*. **Journal Impact factor: 4.707**
- [14] Yu, C. & Xu, M.* (In press). Local variations of built environments on traffic safety. *Journal of Planning Education & Research*. **Journal Impact factor: 1.689**
- [13] Yu, C. & Woo, A. (2017). From perception to action: The mediating role of parental safety concerns on adolescents' physical activity. *Journal of Physical Activity and Health*, 14(8), 652-659. **Journal Impact factor: 1.946**
- [12] Woo, A. & Yu, C. (2017). Beyond affordable shelters: Subsidized housing and surrounding environments for pedestrian safety. *Applied Geography*, 83, 37-45. **Journal Impact factor: 2.565**
- [11] Yu, C. (2017). Racial and income differences in obesity among older adults: The role of leisure-time physical activity and neighborhood social cohesion. *Journal of Physical Activity and Health*, 14, 169-175. **Journal Impact factor: 1.946**
- [10] Yu, C. & Zhu, X. (2016). Planning for a safe school: Impacts of school siting and surrounding environments on traffic safety. *Journal of Planning Education & Research*, 36(4), 476-486. **Journal Impact factor: 1.689**
- [9] Yu, C. & Lin, H. (2016). Exploring factors regarding transit-related walking and walking duration. *Journal of Physical Activity and Health*, 13, 1220-1229. **Journal Impact factor: 1.946**
- [8] Yu, C. & Zhu, X. (2016). From attitude to action: What shapes parental attitude toward walking to school and how does it influence actual behaviors? *Preventive Medicine*, 90, 72-78. **Journal Impact factor: 3.086**
- [7] Yu, C. (2015). How differences in roadways affect school travel safety. *Journal of the American Planning Association*, 81(3), 203-220. **Journal Impact factor: 2.04 (Finalists for Journal of the American Planning Association's annual Paper of the Year Award)**
- [6] Yu, C. (2015). Built environmental designs in promoting pedestrian safety. *Sustainability*, 7(7), 9444-9460. **Journal Impact factor: 1.343**
- [5] Yu, C., & Lin, H. (2015). Transit-related walking to work in promoting physical activity. *Journal of Physical Activity and Health*, 12(4), 483-489. **Journal Impact factor: 1.946**

- [4] **Yu, C. & Zhu, X.** (2015). Impacts of residential self-selection and built environments on children's walking-to-school behaviors. *Environment and Behavior*, 47(3), 268-287. **Journal Impact factor: 2.612**
- [3] Zhu, X., **Yu, C.**, Lee, C., Lu, Z. & Mann, G. (2014). A retrospective study on changes in residents' physical activities, social interactions, and neighborhood cohesion after moving to a walkable community. *Preventive Medicine*, 69, S93-S97. **Journal Impact factor: 3.086**
- [2] **Yu, C.** (2014). Environmental supports for walking/biking and traffic safety: Income and ethnicity disparities. *Preventive Medicine*, 67, 12-16. **Journal Impact factor: 3.086**
- [1] Zhu, X., Lu, Z., **Yu, C.**, Lee, C. & Mann, G. (2013). Walkable communities: Impacts on residents' physical and social health. *World Health Design*, 7, 68-75.

CONFERENCE PRESENTATIONS

National and International conference (17)

- [17] **Yu, C. & Lin, H.** (2017). Neighborhood social cohesion and leisure-time physical activity among older adults. Presented at the *17th Annual Scientific Meeting of the American Academy of Health Behavior*, Tuscon, Arizona, Mar. 19-22.
- [16] Zhu, X., **Yu, C.**, Lu, Z., & Lee, C. (2017). How did it happen? Exploring mechanisms for behavior changes toward active lifestyles after moving into a walkable community. Presented at the *2017 Active Living Research Conference*, Clearwater Beach, Florida, Feb. 26- Mar. 1.
- [15] Yu, C. (2017). How to promote pedestrian safety around transit stops? Presented at the *Transportation Research Board (TRB) 96th Annual Meeting*, Washington, DC, Jan.8-12.
- [14] Yu, C. (2016). Health disparities in environmental supports of walking/biking and traffic safety. *21st International Conference on System Design and Process Science, SDPS 2016*, Orlando, Florida, Dec. 4-6. **(Third Place for Presentation)**
- [13] **Yu, C. & Woo, A.** (2016). Beyond affordable shelters: Subsidized housing and surrounding environments for pedestrian safety. Presented at the *ACSP 56rd Annual Conference*, Portland, Oregon, Nov. 3-6.
- [12] **Yu, C. & Woo, A.** (2016). The impact of residential segregation on obesity. Presented at the *ACSP 56rd Annual Conference*, Portland, Oregon, Nov. 3-6.
- [11] Zhu, X., Lu, Z., **Yu, C.** & Lee, C. (2016). Who benefits the most from walkable communities? Results from a quasinalatural experimental study. Presented at the *2016 ACSA / ASPPH Fall Conference*, Honolulu, HI, Sep. 22-24.
- [10] **Yu, C. & Lin, H.** (2016). Examining factors influencing transit-related walking and walking duration. Presented at the *15th Annual Scientific Meeting of the American Academy of Health Behavior*, Ponte Vedra Beach, Florida, Feb. 21-24.
- [9] **Yu, C. & Zhu, X.** (2016). How to shape parental attitude and promote walking to school? Understanding mediating effects of parental attitudes on children's active school commute.

- Presented at the *2016 Active Living Research Conference*, Clearwater Beach, Florida, Jan. 31- Feb. 3.
- [8] Yu, C. (2016). How differences in built environments impact travel safety around schools. Presented at the *Transportation Research Board (TRB) 95th Annual Meeting*, Washington, DC, Jan.10-14.
- [7] Yu, C. (2015). The design of built environments in promoting school travel safety. Presented at the *ACSP 55rd Annual Conference*, Houston, Texas, Oct. 22-25.
- [6] Yu, C. (2014). Examining the designs associated with traffic safety around schools. Presented at the *2014 Urban Affair Association (UAA) 44th Annual Conference*, San Antonio, Texas.
- [5] Zhu, X., Lu, Z., **Yu, C.**, Lee, C. & Mann, G. (2014). Do walkable communities really work? Health impacts of moving into a walkable community and mechanisms for health behavior change. Presented at the *2014 Active Living Research Conference*, San Diego, California.
- [4] Zhu, X., Lee, C., **Yu, C.** & Varni, J. (2014). Impacts of objective and perceived distance on walking-to-school behaviors and roles of other built environmental attributes in these relationships. Presented at the *2014 Active Living Research Conference*, San Diego, California.
- [3] **Yu, C.** & Zhu, X. (2012). Does residential self-selection influence the relationship between built environment and children's walking-to-school behavior? Presented at the *ACSP 53rd Annual Conference*, Cincinnati, Ohio.
- [2] Zhu, X., Lee, C., Lu, Z. & **Yu, C.** (2012). Thresholds and impacts of walkable distance for active school transportation in different contexts. Presented at the *Active Living Research 2012 Annual Conference*, San Diego, California.
- [1] Lin, F. & **Yu, C.** (2009). A spatially gravitative autocorrelation for analyzing land use change in Ankeng. Presented at the *11th International Conference on Computers in Urban Planning and Urban Management (CUPUM)*, Hong Kong.

GRANTS AND CREATIVE ACTIVITIES

Funded and Under-Review Projects

- [13] Co-PI. Health effects of the deepwater horizon oil spill on medicare beneficiaries served by community health centers in Florida's Gulf coast region. NIH. Request \$1,453,191. (under review)
- [12] PI. Impacts of a new downtown infill development on physical and mental health disparities in Orlando. NIH. Request \$1,768,675. (under review)
- [11] PI. Behavioral impacts of a new urban infill development. NSF Career Award. Request \$698,121. (under review)
- [8] Consultant. Completing the picture of traffic injuries: Understanding data needs and opportunities for road safety. FAU subaward, 2017. Awarded \$26,246.
- [7] PI. The impacts of Complete Street design on the changes in property values. City of Kissimmee, 2017. Awarded \$3,000.

- [6] PI. Creating a healthy community. UCF COHPA Office of Research, 2017, Awarded \$2,500.
- [5] PI. Built Environmental Correlates of School Traffic Safety in Central Florida. UCF Office of Research and Commercialization, 2016, Awarded \$7,500.
- [4] PI. Healthy Impacts of A Walkable Community. UCF College of Health & Public Affairs 2015-2016 Research Fellow Program, Awarded \$2,500.
- [3] Evaluating Health Impacts of Walkable Communities: Best Practices and a Toolkit for Future Design and Research, with Zhu, X. (PI), Lee, C. (Co-PI), Mann, G. (Co-PI) & Lu, Z. (Co-PI), American Institute of Architects (AIA), Awarded \$20,000.
- [2] Does an Activity-Friendly Community Improve Children's Physical Activity? Where, When, and How? with Zhu, X. (PI) & Lee, C. (Co-PI), Johns Hopkins University Global Center for Childhood Obesity, Awarded \$30,000.
- [1] Can Policy and Environmental Interventions Increase Active School Transportation and Children's Physical Activity? with Zhu, X. (PI) & Lee, C. (Co-PI), Robert Wood Johnson Foundation Active Living Research Program, Awarded \$50,000.

TEACHING

COURSES TAUGHT

Graduate Courses

- PAD 6387 Transportation Policy and Planning, UCF School of Public Administration, Spring 2016 (Student evaluation: 5.0/5.0), Summer 2016 (Student evaluation: 4.65/5.0), Spring 2017
- PAD 6339 Housing Development and Planning, UCF School of Public Administration, Spring 2016 (Student evaluation: 4.4/5.0), Spring 2017
- PAD 6938 Sustainable Transportation Planning, UCF School of Public Administration, Fall 2015, Fall 2016
- PAD 6316 Planning and Statistic Methods, UCF School of Public Administration, Fall 2016 (Student evaluation: 4.62/5.0)
- PAD 5337 Urban Design, UCF School of Public Administration, Fall 2015 (Student evaluation: 4.18/5.0)

INVITED LECTURES

- [7] COHPA Research Methods Workshop. University of Central Florida. (5/12/2017) Presented the health impact of Downtown infill development.
- [6] CASPAF 27th Annual Technology and Culture Conference. (9/10/2016) Presented the impact of walkable communities on social health.
- [5] Research colloquium. School of Public Administration. University of Central Florida. (10/15/2015) Presented the research on health impacts of walkable communities.
- [4] DrAL Seminar Series. Center for Health Systems and Design. Texas A&M University. Presented the research on school travel safety in Austin, TX.
- [3] GEOG665. GIS Modeling. Texas A&M University. Presented my research on spatial variations in built environmental characteristics and crash frequencies in Austin, TX.
- [2] PLAN 673. Design for Sustainable Transportation. Texas A&M University. Presented my research on school traffic safety in Austin, TX.
- [1] PLAN 625. Geographic Information System. Texas A&M University. Presented my research on children's walking-to-school behaviors in Austin, TX.

TEACHING ENHANCEMENT ACTIVITIES

- Summer Faculty Development Conference, Faculty Center for Teaching and Learning (FCTL), University of Central Florida, Orlando, FL, May 8-11, 2017
- Winter Faculty Development Conference, Faculty Center for Teaching and Learning (FCTL), University of Central Florida, Orlando, FL, Dec. 13-15, 2016
- Metacognition and Active Learning Faculty Development Cohort, Faculty Center for

Teaching and Learning (FCTL), University of Central Florida, Orlando, FL, Fall 2016

- The IDL Faculty Course Development Training, University of Central Florida, Feb. 2015-Apr. 2015
- UDOIT workshop, University of Central Florida, Aug. 2015

SERVICE

TO THE PROFESSION

- **Editorial Board Member**, *Annals of Obesity & Disorders* (03/15/2016)
- **Peer Reviewer for Scholarly Journals**
 - *Cities* (2017), *International Journal of Environmental Research and Public Health* (2017), *International Journal of Sustainable Transportation* (2017), *Politics and Governance* (2016), *Journal of the American Planning Association* (2016), *Health & Place* (2016), *Indoor and Built Environment* (2016), *Sage Open* (2016), *Sustainability* (2016), *American Journal of Preventive Medicine* (2015, 2016, 2017)
- **Peer Reviewer for Conference Papers**
 - 15th, 16th and 17th Annual Scientific Meeting of the American Academy of Health Behavior (2016, 2017, 2018), *Transportation Research Record* (2013, 2014, 2015, 2016, 2017, 2018), *Active Living Research Conference* (2018)

TO THE SCHOOL

- Search Committee Member, 2017-2018, Assistant/Associate position in the Urban & Regional Planning program, University of Central Florida
- Research Colloquium Coordinator, 2016-2017, School of Public Administration, University of Central Florida
- Advisory Search Committee, 2016-2017, Assistant/Associate Professor in the Future City cluster hire, University of Central Florida
- Search Committee Member, 2015-2016, two Assistant Professors position in the School of Public Administration, University of Central Florida
- Advisory Search Committee, 2015-2016, Assistant/Associate Professor in the coastal planning cluster hire, University of Central Florida
- Board Member, Planning Advisory Board, School of Public Administration, University of Central Florida

HONORS/AWARDS

- Office of Research & Commercialization's (ORC) Research Mentoring award, 2017
- Third Place, SDPS 2016 Presentation, 2016

- Finalists, Journal of the American Planning Association's annual Paper of the Year Award, 2016
- Travel Scholarship, Texas A&M university, 2014
- Landscape Architecture and Urban Planning Departmental Scholarship, Texas A&M University, 2010
- First Prize Award, National Cheng Kung University, 2007