

Qualifications:

Dr. Jun Liu is a faculty member in civil engineering at the University of Alabama (UA). Before joining UA, he worked as a transportation planner at the Virginia Department of Transportation and as a post-doctoral researcher at the University of Texas at Austin. He earned his PhD in Civil Engineering from the University of Tennessee, Knoxville.

Dr. Liu's primary research interests span various areas within transportation engineering, including shared mobility, travel behavior, road safety, responder safety, transportation planning, intelligent transportation systems, connected and/or automated vehicles, and sustainable transportation. He has authored over 200 scholarly works, including book chapters, journal articles, conference papers, and technical reports. Dr. Liu's research has received significant recognition, evidenced by over 2,100 citations, an H-index of 26, and an H10 index of 44 according to Google Scholar. Since joining UA in 2018, Dr. Liu has played a substantial role in securing \$12 million in research funding. Over five years, he has been awarded a total of 20 projects, serving as the Principal Investigator (PI) for 15 of them. Funding sources include prestigious organizations such as the National Science Foundation (NSF), US Department of Transportation (US DOT), AAA Foundation for Traffic Safety, State Departments of Transportation (Alabama and Georgia), KTH Royal Institute of Technology, and various local agencies. At UA, Dr. Liu has chaired dissertation committees for four completed PhD students and currently advises five PhD students and two master's students.

In addition to his research and teaching duties, Dr. Liu has actively engaged in various service roles within our transportation community. He serves as an Assistant/Associate Editor for the Journal of Intelligent Transportation Systems, a Handling Editor for Transportation Research Record, an Associate Editor for IEEE Open Journal of Intelligent Transportation Systems, and an Editorial Board Member for Accident Analysis & Prevention and the Journal of Safety Research. Additionally, he acted as a Paper Review Coordinator for TRB Committee on Artificial Intelligence and Advanced Computing (AED50) for the 2023 & 2024 TRB Annual Meetings. Dr. Liu has been actively engaged in organizing the Bridging Transportation Researchers (BTR) Conferences. He is a member of the TRB Committee on Geo-spatial Data Acquisition Technologies (AKD80) and a member/friend of the TRB Standing Committee on Transportation Safety Management (ACS10). From 2016 to 2019, he served as a member of the TRB Standing Committee on Visualization in Transportation (AED80). Dr. Liu also served on various NSF and the National Cooperative Highway Research Program (NCHRP) panels.

More information about Dr. Liu is available at <http://jliu.people.ua.edu/>.

Commitment Statement:

As a young scholar, I have remained closely connected with COTA over the past few years. I have willingly participated in various COTA activities by volunteering to chair and edit meeting sessions, as well as rigorously reviewing research papers. These responsibilities have allowed me to play a role in upholding the high standards of excellence associated with COTA's conferences and publications. In addition, I have actively taken part in presenting my research at various COTA events, such as the COTA Winter Symposiums, the 2023 CICTP Conference, and the 8th International Symposium on Transportation Safety. Importantly, my engagement with COTA extends well beyond being a passive participant. I have consistently undertaken the task of promoting COTA events on multiple occasions. This endeavor stems from my desire to foster increased participation and engagement within the transportation community and to raise awareness of the valuable opportunities that COTA provides.

Now that I have submitted my tenure package, I am fully prepared to engage in more community services by committing to serve on the 2024 COTA Board of Directors (BOD) and making a significant contribution to COTA's growth. If given the opportunity to be a part of the COTA BOD, I would like to work closely with other members and dedicate my time and ideas to further enhance COTA's impact both within and outside the transportation professional community. Specifically, I will focus on building a stronger bridge between COTA and young Chinese transportation professionals, especially those from underrepresented institutes and regions, such as Alabama. I have maintained close relationships with a sizable group of young Chinese transportation professionals, and I will collaborate with other COTA BOD members to develop a strategy for promoting the engagement of young professionals in COTA's activities and events. Furthermore, I am committed to fulfilling any additional responsibilities assigned by the COTA BOD, given my flexible work schedule and adaptable environment.

Endorsements Received:

- Dr. Yinhai Wang, COTA Member, Past President of COTA, Professor, University of Washington;
- Dr. Yafeng Yin, COTA Member, Past President of COTA, Professor/Chair, University of Michigan;
- Dr. Lei Yu, COTA Member, Past President of COTA, Professor/Dean, Texas Southern University;
- Dr. Yu Zhang, COTA Member, Past President of COTA, Professor, University of South Florida;
- Dr. Cara Wang, COTA Member, Past President of COTA, Professor, Rensselaer Polytechnic Institute;
- Dr. Cong Chen, COTA BOD Member, Research Associate, University of South Florida.

