



Zhen (Sean) Qian, Ph. D.

Assistant Professor

Department of Civil & Environmental Engineering
and Heinz College

Carnegie Mellon University

4800 Forbes Ave

Pittsburgh, PA 14213

Phone: 412-268-7202

Email: seanqian@cmu.edu

PERSONAL BACKGROUND

Zhen (Sean) Qian joined the Department of Civil and Environmental Engineering in July 2015. He directs the Mobility Data Analytics Center (MAC) at CMU. Qian was most recently an assistant research professor jointly appointed at the Heinz College and Institute for Complex Engineered Systems. Qian's research lies in the integration and optimization of civil infrastructure systems. The primary focus of his research is to manage aging and overcrowded transportation infrastructure systems, and to build sustainable and resilient infrastructure networks. He is particularly interested in large-scale dynamic network modeling for multi-modal transportation systems, in development of intelligent transportation systems (ITS) and in urban system interdependency modeling. He was a postdoctoral researcher in the Department of Civil and Environmental Engineering at Stanford University from 2011 to 2013, and received his PhD degree in Civil Engineering at the University of California, Davis.

Dr. Qian is an active participant of Chinese communities. He served as an associate area editor for CICTP 2011, and was invited to a spotlight talk for CICTP 2015, Beijing. He developed a better understanding about the mission and scope of COTA.

STATEMENT

I hope to contribute to COTA in the following manner: (1) Help organize and contribute significantly in carrying out tasks associated with the Annual TRB symposium and CICTP conference series in China; (2) Assist the COTA board to coordinate and synthesize information to communicate with COTA community; (3) Volunteer to serve subcommittees. My endorsement includes: Dr. Yafeng Yin, Dr. Haizhong Wang and Dr. Shanjiang Zhu. If I were provided an opportunity to serve COTA, I would like to make my

contribution through working closely with other COTA board members to make every effort to achieve the goals and objectives of COTA.