



**Haizhong Wang, Ph. D.**

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**Qualification/Short Bio:**

Dr. Haizhong Wang is an Associate Professor of Transportation Engineering within the School of Civil and Construction Engineering at Oregon State University, Corvallis, OR. Dr. Wang's research focuses on theoretical and experimental methods for (1) interdisciplinary community and infrastructure resilience using computational agent-based modeling and simulation methods by coupling the human, infrastructure, and natural systems together to promote life safety and infrastructure resilience; (2) mobility and safety analysis in a mixed traffic flow environment with emerging connected and automated vehicles (CAV) technologies using percolation theory; and (3) critical resilient interdependent lifeline infrastructure systems analysis using complex network theory. Dr. Wang has published over 100 peer-reviewed journal, conference papers, and technical reports and has also presented at national and international conferences.

**COTA Involvement and Contribution:**

Dr. Wang served on Chinese Oversea Transportation Associations board of directors from 2013 to 2019 on multiple roles. He started his COTA involvement as a student back to 2004. Over the past 17 years, he has been an active contributing member in the COTA communities as a conference participant, COTA student board member (2008), area editors for the annual CICTP conference series, organizing committee chair/members for COTA winter symposiums at TRB, co-chair of the organizing committee for CICTP2017 at Tongji University, leading the paper review, publication, and EI indexing submission for COTA's newly initiated International Symposium for Emerging Transportation Technologies (ISETT) in 2018 and 2019, he is currently the publication committee co-chair for the CICTP2020 which will be held on July 4-6, 2020 in Xi'an, China. He experienced and actively contributed to COTA's steady growth and transitions to a more professional non-profit organization bridging the transportation community in China and the different other parts of the world.

**Envisioned Commitments and Proposed Activities:**

Building on the collective successes of the past and current COTA leaders, he would like to further challenge himself to participate this election to continue to serve the COTA community and work closely with the new COTA BODs to continue to build an inclusive, transparent, and welcoming COTA community and family. With COTA's stable growth over the past years, there are emerging questions/challenges facing COTA community in this rapidly-changing era including but not limited to (1) How COTA is serving the community and how the community hopes COTA to serve them; (2) Why COTA's conferences and activities are unique given many other different transportation conferences/events; (3) How to effectively and efficiently communicate and interact with COTA community, members, institutions, industry and government partners; and (4) How to create a sustainable funding stream to address the questions above and many others from members in general.

To this end, it is my firm conviction to continue my service on the BOD with the existing and new BOD members to address the questions/challenges listed above to advance the collective successes under the new COTA leadership. I therefore decide to take this opportunity to nominate myself and fully dedicate myself to COTA members and community. I would also be a listener to the COTA community to hear their voices and potentially constructive criticisms to help create a better COTA community for all. I have developed a greater resilience and adaptive capacity to cope with and incorporate and implement innovative ideas to continue to promote COTA's success and growth. Your help and strong support are highly appreciated and valued!!

**Endorsements from:**

- Dr. Yafeng Yin (COTA Member and Past COTA President), Professor, University of Michigan Ann Arbor
- Dr. Yang Liu (COTA BOD Member), Assistant Professor, National University of Singapore
- Dr. Junfeng Jiao (COTA BOD Member), Associate Professor, University of Texas at Austin