



Heng Wei, Ph.D., P.E., F.ASCE

Professor and Director, Civil Engineering Program
Founding Director, Advanced Research in Transportation
Engineering & Systems (ART-Engines) Laboratory
Department of Civil & Architectural Engineering &
Construction Management
730 ERC, The University of Cincinnati
Cincinnati, Ohio 45221-0071
Tel: 513-556-3781; Fax: 513-556-2599
Email: heng.wei@uc.edu
<https://homepages.uc.edu/~weihg/>

Brief Bio and Qualifications

Dr. Heng Wei is a Professor and Civil Engineering Program Director, and the founding director of the ART-Engines Lab at The University of Cincinnati (UC). Dr. Wei has extensive research expertise and industrial experience in intelligent transportation systems (ITS), connected and automated vehicle (CAV) impacts, infrastructure-CAV nexus in cooperative traffic control systems, and artificial intelligent (AI)-based Informatics and geographic information system (GIS) in smart-city-oriented travel demand and environmental analytics. He has secured a great number of research grants or projects from Ohio DOT, Federal Highway Administration (FHWA), National Science Foundation (NSF), US Environmental Protection Agency (EPA), USDOT University Transportation Centers (UTCs), and industrial sector. His research has resulted in more than 210 peer-reviewed and referred papers, and 12 book or chapters (including 5 ASCE-published international conference proceedings). On behalf of ASCE T&DI CAV Impacts Committee, he is currently leading the effort in editing a guidance-type book “Disruptive Emerging Transportation Technologies,” which will be published by ASCE. Of seven international conference proceedings where he has served as one of Lead Editors, five proceedings have been published by ASCE, including the proceedings of the 10th, 12th, 20th (two books) and 21st COTA International Conference of Transportation Professionals (CICTP), as well as one published by Elsevier (CICTP 2013). Currently, he is serving as the Proceedings Editor for ASCE International Conference on Transportation & Development, May 31 – June 3, 2022 in Seattle, Washington.

Dr. Wei is an active, renowned participant and contributor to COTA community. He has served on the COTA Board of Directors (BOD) since he was first elected in January 2008. Later, he was elected as the President of COTA in January 2012. During his service on BOD and two-year presidency (01/2012–01/2014), he has successfully organized and chaired a number of international conferences, workshops, and symposiums. The success of those scholarly activities has greatly raised the international reputation and influence of COTA in the transportation field. He initialized several special events that have since become spotlights of the conference, typically including COTA-World Bank China Transport Forum and COTA Education Workshop. Those programs have greatly promoted the CICTP to become a series of the internationally recognized and respected events, and the CICTP series have successfully attracted a great number of prestigious international scholars and experts to the conference.

Dr. Wei has served as the Conference Chair for the CICTP in both 2012 and 2013 and Co-chair for CICTP 2021, Chair of the Organizing and Executive committee for the ICCTP 2010 and 2020, Chair of the Academic Committee for the ICCTP 2011, and Chair of the Advisory Committee for the CICTP in 2014. Moreover, he has worked with TRB ABE90 committee in 2013 to successfully establish the ABE90-COTA China Conference Planning Subcommittee ABE90(3), which had well promoted the COTA Winder Symposiums during previous TRB Annual Meetings, especially for the period of January 2012 through January 2014. Currently, Dr. Wei is serving as the COTA treasurer. He has effectively managed the COTA BOD bank account and provided timely assistances to the BOD for all major COTA

events and services for filing tax return. More notably, he is working hard in coordinating the Executive Committee for organizing the CICTP 2021 amid the COVID-19 crisis.

Envisioned Commitment Statement

While COTA has experienced a stable development and growth in the past few years, we have raised awareness of some challenges that we are facing ahead to keep COTA actively sustainable. With the new blood to be instilled into the COTA BOD, it is a high time to create a new momentum to re-motivate ourselves for moving COTA forward towards a higher level with substantially enhanced integrity. Currently, COTA is facing many critical issues in improving and implementing COTA ByLaws. To that end, as a Lifetime COTA member, I am willing to continue my endeavor to be working together with other BOD members to solidify the organization under the leadership of the next new president. My term on the COTA BOD will end in next January. I therefore decide to nominate myself as a candidate running for the BOD membership again. My envisioned commitment includes, but not limited to, the following aspects.

- I will help improve COTA ByLaws and establish effective implementation procedure and mechanism to make COTA community grow in a healthy, fairly and integral manner.
- I will dedicate myself to enhancing productive communications among COTA members, boosting effective collaborations between COTA and other transportation organizations such as ASCE and TRB, and enhancing China-America exchange in transportation technologies and systems.
- I will actively support other young BOD members to well execute their positions.
- I will continually support and assist organizing major COTA events, and help significantly solidify COTA into a growing, stronger professional organization by more actively involving in various chapters of COTA.

Overall, I would like to be working together with other BOD members to make every effort to achieve the missions of COTA at a higher level. I am fully confident of being ready to continually make my commitment to continuously serve on the COTA BOD. I would also be eager and happy to assist implementing any creative ideas that you may have. I have developed a greater tolerance and capability to cope with and incorporate diversely new ideas for continuing COTA's success and growth. I can be reached via voice 513-602-4346 or email heng.wei@uc.edu for any suggestions or thoughts.

Your strong support is highly appreciated!

Endorsements received from the following active COTA members:

- Dr. Yinhai Wang, Professor, The University of Washington, Past COTA President.
- Dr. Shanjiang Zhu, Associate Professor, George Mason University; Current COTA BOD Member.
- Dr. Zhen (Sean) Qian, Associate Professor, Carnegie Mellon University; Current COTA BOD Member.
- Dr. Ping Yi, Professor, The University of Akron; Past COTA President.
- Mr. Jason Wang, Senior Transportation Specialist, Appalachian Regional Commission; Past COTA President.

(Submitted on November 1, 2021)