

**Teng Wu, Ph.D., M.ASCE**  
**Professor, Department of Civil, Structural and Environmental Engineering**  
**University at Buffalo**

### **Vision**

Since my first EMI conference in 2012, I have regarded the EMI community as my academic home. I would like to contribute more to the EMI community and so I am very excited and honored to be considered for a position on the EMI Board of Governors. My vision for EMI is to elevate the role of engineering mechanics, and its design-related products, in building more resilient communities: Increasing Impacts Through Connecting and Collaboration (I2C2). Aside from growing EMI and its role within ASCE, and better connecting EMI to fellow institutes, including SEI, there are three aspects of I2C2 I am keen to implement. First, I would like to implement strategies to enhance communication between EMI and young researchers and practitioners. In addition to ASCE Student Chapters, we can also establish EMI Graduate Student Chapters (similar to SEI). It is important to involve students in mechanics early in their careers. Second, I would like to increase the visibility of our committee activities and their impact on professional practice. There is still room within EMI to add professional and technical committees to support meaningful initiatives (e.g., research projects, outreach/education efforts, and community service). For example, connections with organizations overseas would be greatly enhanced by a Global Activities Committee. Third, I would work to reinforce EMI relationships with industry and federal government agencies. Engineering Mechanics is a fundamental discipline with far-reaching societal benefits. Closer connections and collaborations with consultants and practitioners will help EMI enhance its impacts on our society by facilitating seamless integration of all the aspects in engineering mechanics and their applications in the real world.

### **Bio**

Teng Wu is Professor in the Department of Civil, Structural and Environmental Engineering at University at Buffalo (UB). Wu has made significant contributions to the development of analytical and computational methods focusing on nonlinear and transient bluff-body aerodynamics, performance-based wind design, and community resilience to hurricane (wind, rain and surge hazards). His contributions have been recognized through the 2014 American Association for Wind Engineering (AAWE) Best Paper Award, 2016 ASCE Alfred Noble Prize, 2017 International Association for Wind Engineering (IAWE) Giovanni Solari Award, 2017 AAWE Robert Scanlan Award, 2018 International Association for Bridge and Structural Engineering (IABSE) Prize, 2023 IABSE Outstanding Paper Award, 2023 AAWE Best Paper Award, 2024 IABSE Outstanding Paper Award, and 2026 ASCE Walter L. Huber Civil Engineering Research Prize.

Wu currently serves as the Editor-in-Chief of Advances in Wind Engineering, Associate Editor of ASCE Journal of Bridge Engineering and ASCE Journal of Structural Engineering. He is an Executive Board Member of IAWE, Member of AAWE Board of Directors, Member of IABSE-USA Board of Directors, Member of TRB (Transportation Research Board) Committee on Rail Safety, and Board Member of International Joint Research Laboratory in Wind Engineering. Wu serves on a number of ASCE committees including ASCE/IRD (Infrastructure Resilience Division) Executive Committee, ASCE/EMI (Engineering Mechanics Institute) Fluid Dynamics Committee (Chair), ASCE/SEI (Structural Engineering Institute) 7 Main Committee and Wind Load Subcommittee, Cable-Supported Bridges Committee (Past Chair), Advancement of Performance Based Design Committee, ASCE 24-YY Flood Resistant Design & Construction Committee and Multihazard Mitigation Committee, ASCE/CC (Changing Climate) Technical Committee on Future Weather and Climate Extremes (Chair), and ASCE/Energy Division Task Committee On Wind-Induced Forces and Effects. He also serves as a member of American Nuclear Society's ANSI/ANS 2.3 Standard for Estimating Wind Characteristics at Nuclear Facility Site and ACI (American Concrete Institute) Committee 375-Performance-Based Design of Concrete Buildings for Wind Loads.