

## **Haim Waisman, Ph.D, F.EMI**

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### **VISION STATEMENT**

With your support, I wish to be elected to the EMI Board of Governors, so that I can bring in new ideas to better serve our community, strengthen the connections between technical committees, keep people engaged during the year, and help junior researchers get more exposure within the larger EMI community. Advancing Engineering Mechanics through research, education and community service has been the primary goal of my career. Thus, my affiliation with EMI, where I find my natural fit to be, has been longstanding.

I have been an active EMI member attending and participating almost all EMI conferences since 2008. Let me briefly highlight key service and leadership activities that I have carried out over the years: (i) membership in three technical committees, (ii) consistent organization of minisymposia and tracks in EMI conferences, and serving on the scientific board of many EMI conferences, (iii) chairing the Computational Mechanics committee for two years, during which the committee membership, student participation as well as the committee activities greatly expanded, (iv) participation in the EMI strategic planning committee, which collected data and advised the BoG how to move forward, (v) serving as an Associate Editor for Journal of Engineering Mechanics, during which I also guest edited a successful special issue for JEM, and (vi) serving as a co-chair of the 2021 EMI conference at Columbia University, which under the pandemic circumstances at the time, can be regarded a successful conference.

If elected, I will bring my experience and enthusiasm, and strive to lead EMI into the future by: (i) providing new ideas for broadening and growing EMI participation (with the attempt to reduce conference registration costs), while making sure the quality and “family feel” of EMI remains unchanged, (ii) developing a new and interactive educational program for our community, aimed at enriching our knowledge in the diverse topics of Engineering Mechanics, strengthening the interaction between EMI members, and engaging the community throughout the year, and (iii) developing new connections and enhancing current ties with National Labs, Industry, and neighboring organizations, such as USACM and ASME, where I have a significant overlap.

### **SHORT BIO**

Haim Waisman is an Associate Professor of Civil Engineering and Engineering Mechanics at Columbia University. His research interests are in Computational Mechanics, for which he develops advanced finite element methods for modeling fracture and design-optimization of structures under extreme conditions. Dr. Waisman obtained his Bachelor and Master degrees in Aerospace Engineering from the Technion-Israel Institute of Technology, and a Doctorate in Civil Engineering from Rensselaer Polytechnic Institute in 2005. He was a post-doctoral fellow at the Scientific Computing Research Center (SCOREC) at RPI and at the Mechanical Engineering department at Northwestern University, before joining Columbia University in 2008. Dr. Waisman is the recipient of the 2012 Department of Energy Early Career Award, the 2014 Leonardo Da Vinci Award from the Engineering Mechanics Institute of ASCE, and was named fellow of EMI in 2022. He is currently serving as an associate editor for the ASCE Journal of Engineering

Mechanics and ASCE OPEN: Multidisciplinary Journal of Civil Engineering. In the past he served on the executive council of the US Association for Computational Mechanics (USACM), and was the chair of the EMI computational mechanics technical committee.