

## **Jia-Liang Le, Ph.D., P.E., F.EMI, M.ASCE**

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### **VISION STATEMENT**

Engineering mechanics is a beautiful scientific discipline rooted at the intersection of science and engineering. It impacts almost every aspect of our life including energy efficient buildings, sustainable transportation infrastructure, resilient lifeline systems, novel construction materials, advanced microelectronic devices, innovative medical devices, etc. ASCE EMI has been a flagship professional society in this field. I feel very fortunate and proud to be part of this very vibrant scientific community.

I attended my first EMI conference in 2008 when I was a graduate student. Since then, I have been a regular attendee of both US based and international EMI conferences. I regard the EMI as my home community. I have been actively participating in different services in EMI. I am currently the associate editor of the ASCE J. Eng. Mechanics, and a member of the technical committees on probabilistic methods and computational mechanics. I have been co-organizing the mini-symposium on quasibrittle fracture mechanics annually for the EMI conference since 2013.

I am privileged to be considered for the EMI Board of Governors. Looking forward, I hope to contribute to the EMI community in the following ways: 1) strengthen the connection between EMI and other professional societies including the Society of Engineering Science and the American Concrete Institute by promoting EMI activities to these communities and initiating joint technical committees, 2) promoting diversity and equity in EMI through organizing outreach events during the EMI conferences (e.g. undergraduate research forum and career panel), and 3) broaden the impact of the work of the EMI community by encouraging and facilitating ASCE special publications and special issues for J. Eng. Mechanics.

### **SHORT BIO**

Dr. Jia-Liang Le is Professor and Associate Head of the Department of Civil, Environmental, and Geo-Engineering at the University of Minnesota. He received his Bachelor of Engineering (First Class Honors) and Master of Engineering in Civil Engineering from the National University of Singapore, and a Ph.D. in Structural Engineering and Mechanics from Northwestern University. He is a registered Professional Engineer in Minnesota and a member of American Society of Civil Engineers (ASCE), American Concrete Institute (ACI), and Society of Engineering Science (SES). His research interests include fracture mechanics, probabilistic mechanics, scaling, computational mechanics, and structural reliability. He published two books and over 80 journal papers. He currently chairs the ASCE-ACI joint committee on fracture mechanics of concrete structures. He serves on the editorial boards of the ASCE Journal of Engineering Mechanics, Engineering Failure Analysis, and Science China Technological Sciences. He has received several research awards including the Army Research Office Young Investigator Award, the EMI Leonardo da Vinci Award from ASCE, the Society of Engineering Science Young Investigator Medal, and the Early Achievement Research Award from the International Association of Structural Safety and Reliability.