

Dr. Jia-Liang Le

James L. Record Professor and Associate Head of the Department of Civil, Environmental, and Geo- Engineering at the University of Minnesota

Short Bio:

Dr. Jia-Liang Le is the James L. Record 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. He is a fellow of ASCE Engineering Mechanics Institute, and a member of Board of Directors of IA-Framcos. His research interests include fracture mechanics, probabilistic mechanics, scaling, computational mechanics, structural stability, and structural reliability. He published two books and over 90 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.

Vision Statement:

Rooted at the nexus of science and engineering, engineering mechanics stands as a captivating scientific discipline with a long and rich history. Its influence permeates 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. The ASCE EMI stands as a flagship professional society in this field.

I consider myself very fortunate and proud to be part of this dynamic scientific community. My journey began in 2008 as a graduate student attending my first EMI conference. Over the years, I have consistently engaged in both domestic and international EMI conferences, considering EMI as my home within the professional realm. My involvement has extended to various capacities within EMI, presently serving as the associate editor for ASCE's Journal of Engineering Mechanics and contributing to technical committees on probabilistic methods and computational

mechanics. Additionally, since 2013, I have annually co-organized the mini-symposium on quasibrittle fracture mechanics for the EMI conference.

It is a privilege to be considered for the EMI Board of Governors. Looking ahead, I am eager to contribute to our community in several key areas: 1) strengthen the connection between EMI and other professional societies including the Society of Engineering Science and the American Concrete Institute by promoting EMI's activities and initiating joint technical committees, 2) promote diversity and equity within EMI by organizing outreach events during the EMI conferences (e.g. undergraduate research forum and career panel), and 3) amplify the impact of our community by encouraging and facilitating ASCE special publications and special issues for J. Eng. Mechanics.