

Anil Misra

Vision Statement for EMI

With over 35 years of dedicated service to the **Engineering Mechanics Institute (EMI)**, I seek to serve on the Board of Governors to bridge the gap between leadership and grassroots membership. My vision is to ensure that EMI's strategic direction is shaped by transparent, inclusive dialogue and a deep commitment to technical excellence.

As a member of the Board, I will focus on four key pillars:

- **Advocating for the Membership Voice:** I will champion transparent debate on the activities that impact our community most, ensuring that the Board's decisions are informed by the diverse perspectives of our members.
- **Empowering Technical Committees:** Having chaired both the Properties of Materials and Granular Materials Committees, I recognize these bodies as the lifeblood of EMI. I intend to leverage my experience to promote more meaningful interactions between the Board and the technical committees.
- **Advancing Flagship Activities:** I will lead the continuous evaluation of our core pillars—the annual conference, our prestigious awards, and the *Journal of Engineering Mechanics*. My goal is to evolve these formats to better serve a modern, global research community.
- **Fostering Inclusivity:** From my start as a graduate student member to my tenure as a committee chair, I have seen the value of every career stage. I aim to foster a culture where all members feel empowered to contribute to the future of engineering mechanics.

I am committed to leveraging my long-standing history with EMI to ensure it remains the premier home for our discipline's most innovative work.

Biography of Dr. Anil Misra, Professor of Civil Engineering

Anil Misra, Ph.D., P.E., is currently the Chair of Civil and Environmental Engineering Department, Florida International University. He was previously the Glenn L. Parker-James L. Tyson Professor of Engineering Mechanics in the Civil, Environmental and Architectural Engineering Department of the University of Kansas, Lawrence. He also served as Associate Director of the University of Kansas Institute for Bioengineering Research (KU-IBER). Dr. Misra has a broad research interest that spans topics covering both basic and applied aspects of mechanics of geomaterials, interfaces and biomaterials, including analytical, computational and experimental granular micromechanics, particle and atomistic methods, multi-scale modeling, constitutive behavior, micro-macro correlations, and multi-modal material characterization using high resolution techniques. He has pioneered the **granular micromechanics approach (GMA)** with which he seeks to develop generalized (micromorphic) continuum model of a range of granular materials and materials with granular texture, including geomaterials, biomaterials, cement/asphalt concrete, polymers, and architected/metamaterials. He has co-edited four books; guest edited six journal special issues; and authored more than 350 papers in journals, edited

books and conference proceedings. He has made more than 200 presentations of his research results at national and international fora. His research has been funded by a variety of sources, including the United States National Science Foundation, National Institute of Health, and private industry. He is active in various professional societies where he has been honored with election to the grade of fellow. He serves on several society technical committees, on editorial board of major journals, as co-Editor-in-Chief of Mechanics Research Communications and as a reviewer for journal articles and grant proposals. He has been honored with the 2017 Eugenio Beltrami Senior Scientist Prize, various research and teaching awards at his home institutions, and Chair/Visiting Professorships at international universities.