

Editors' short biography

Prof. Mohammad Noori is Professor of Mechanical Engineering at Cal Poly, San Luis Obispo, a Fellow and Life Member of the American Society of Mechanical Engineering, and a recipient of the Japan Society for Promotion of Science Fellowship. He also holds a visiting professorship position at the University of Leeds, UK. His work in non-linear random vibrations, especially hysteretic systems, seismic isolation, and the application of artificial intelligence methods for structural health monitoring is widely cited. He has authored over 300 refereed papers, including over 150 journal articles, has published 15 scientific books, 31 book chapters in archival volumes, has edited 15 technical books, and has been the Guest Editor of 15 journal volumes and proceedings. Prof. Noori was a co-founder of the National Institute of Aerospace, established through a \$379 million 15-year NASA contract in partnership with NASA Langley Research Center. He has also received over \$14 million in support of his research from NSF, ONR, National Sea Grant, and industry. He has supervised 24 post-doctoral, 26 PhD, and 53 MS projects. He has given over 100 keynotes and invited lectures. He is the founding executive editor of a scientific journal, serves on the editorial board, or as the associate editor, of over 15 other journals, and has been a member of the scientific committee of numerous conferences. He directed the Sensors Program at the National Science Foundation in 2014 and served as the scientific advisor for several organizations and technical firms. He was the dean of engineering at Cal Poly, and served as a Chaired professor and department head at NC State University and WPI and as the Chair of the national committee of mechanical engineering department heads. Noori has developed a unique online course, "How to Write an Effective Research Paper," offered by Udemy.com, taken by over 9,000 students worldwide. Noori is an elected member of Sigma Xi, Pi Tau Sigma, Chi-Epsilon, and Sigma Mu Epsilon honorary research societies. In 1996 Noori was invited by President Clinton's Special Commission on Critical Infrastructure Protection and presented a testimony as a national expert on that topic. Noori is the Founding Editor of Resilience and Sustainability in Civil, Mechanical, Aerospace, and Manufacturing Engineering Systems Series of CRC Press/Taylor and Francis.

Prof. Fuh-Gwo Yuan has been with Department of Mechanical and Aerospace Engineering, North Carolina State University since 1989. He is now a Full Professor. Since 2011, he serves as a Samuel P. Langley Professor at National Institute of Aerospace (NIA), Hampton, Virginia. He received his BS from Department of Engineering Science, National Cheng Kung University, Taiwan; MS and PhD from Department of Theoretical and Applied Mechanics, University of Illinois at Urbana-Champaign; and worked at Boeing Co., Air Force Research Laboratory, and NASA Langley Research Center. He is a Fellow of SPIE and American Society of Mechanical Engineering. His recent research includes structural health monitoring/management (SHM), non-destructive inspection (NDI), machine learning, multi-functional materials, nano/meso scale sensors, advanced computing tools with smart sensors, damage prognosis, and energy harvesting. His research areas cover smart materials applications, wireless sensor design, and energy harvesting. He has long-term interest in wavefield imaging for surface hidden damage by employing imaging algorithms in advanced structural materials. Recently, he has focused on non-contact full-field damage imaging using digital cameras together with physics-informed machine learning methods.

Dr. Ehsan Noroozinejad Farsangi currently holds multiple prestigious positions within the academic community, serving as both a Senior Researcher at UBC Smart Structures in Canada and a Tenured Faculty Member at the Graduate University of Advanced Technology in Iran. Additionally, he serves as an Adjunct Associate Professor at Southeast University in China, demonstrating his broad global reach and expertise. As the director of the Resilient Structures Research Group, which boasts a large team of esteemed international researchers, Dr. Noroozinejad has made significant contributions to the field of structural engineering. Furthermore, Dr. Noroozinejad's extensive involvement in academic publishing is

impressive. He is the Founder and Chief Editor of the *International Journal of Earthquake and Impact Engineering*, as well as serving as an Associate Editor for the *ASCE Practice Periodical on Structural Design and Construction*, the *IET Journal of Engineering*, and the *Frontiers in Built Environment: Earthquake Engineering Section*. He also holds positions as the Editor of the *Journal of Reliability Engineering and Resilience* and the Engineering Editor of *ASCE Natural Hazards Review*. With over 120 high-impact journal papers in indexed journals and 6 books published with esteemed publishers in his area of expertise, Dr. Noroozinejad has established himself as a prolific and influential academic. His research interests span a wide range of topics, including smart structures, resilience-based design, reliability analysis, artificial intelligence, construction robotics, intelligent infrastructure, and digital twins in construction. His exceptional contributions to the field have been recognized with numerous national and international awards, including the prestigious Associate Editor Award in 2022 from the American Society of Civil Engineers (ASCE) in recognition of his consistent and exemplary service to enhance ASCE's publication activities.