



Northern California Chapter
Earthquake Engineering Research Institute
Candidate Biographies & Statements
2021 Election

For the Position of Director At Large:

Manny Hakhamaneshi

Manny Hakhamaneshi is a graduate of University of California, Davis. He earned his BSc, MSc, and PhD in Civil Engineering; for his PhD work, Manny specialized in Geotechnical and Earthquake Engineering. Manny's PhD research focused on implementation of innovative techniques for retrofit of existing buildings. Results of his PhD research led to inclusion of Rocking Foundation as an alternative for seismic retrofit of existing buildings; this inclusion is reflected in ASCE 41-13, seismic retrofit of existing buildings.

Dr. Hakhamaneshi has published 12 journal articles and 19 conference papers. He also serves as an adjunct-professor at the California State University – East Bay teaching undergraduate and graduate level classes.

Manny has nearly 5 years of full-time and over 3 years of part-time industry experience. Manny is currently part of the Geotechnical Design West team at the California Department of Transportation and has recently finished developing the Foundation Report for a \$60M bridge replacement project where he was in charge of the geotechnical and earthquake design of foundation for two bridges, and geotechnical design of a Mechanically Stabilized Earth wall.

Manny has also recently joined the Earthquake Technical Committee Team of the Caltrans as the representative of the Office of Geotechnical Design West. He is currently working with other team members on developing site-specific ground motion analysis manuals. Manny is a registered Professional Engineer in CA and 4 other states.

Emel Seyhan

Emel leads the global ground motion and site response modeling team for all RMS earthquake modeling projects. She joined RMS seven years ago after her postdoctoral studies at the Pacific Earthquake Engineering Research Center (PEER) at University of California, Berkeley. Among her many accomplishments, Emel has successfully completed over seven RMS projects with three ongoing and has published over ten peer-reviewed journal papers between 2013 and 2021, some of which were ranked amongst the most cited publications.

Worldwide, her published models have been used as reference models by the scientists, academics, and practicing engineers including USGS, Global Earthquake Model (GEM), and Geoscience Australia. Her published studies have been the starting point to many new publications. She is most well known for her NGA-West 2 models. She continues to consult and play an active role in national and international engineering and seismic hazard projects. She is teaching Geotechnical Engineering at California State University, Long Beach. Emel holds a Ph.D and M.Sc degrees in Civil Engineering (Geotechnical) from the University of California, Los Angeles.