



David M. Boore

**Education:**

Stanford University, B.S., Geophysics, 1964

Stanford University, M.S., Geophysics, 1965

Massachusetts Institute of Technology, Ph. D., Geophysics, 1970

**Position:**

Geophysicist, U.S. Geological Survey (Emeritus)

**Experience and Awards:**

His professional experience includes: postdoctoral fellow, U.S. Geological Survey, 1970-1972; visiting assistant professor and assistant professor, Department of Geophysics, Stanford University, 1972-1978; geophysicist, U.S. Geological Survey, 1978-present (retired January 2016; now an Emeritus Scientist at the USGS).

Dr. Boore has published over 275 papers, most dealing with various aspects of the problem of estimating the ground shaking from large earthquakes. The topics covered in these publications range from the seismic source to site response, with stops in between.

His professional service includes: member of the Editorial Board of the Journal of Earthquake Engineering; member of the U.S.-Japan Panel on Wind and Seismic Effects; seismic consultant to the Department of Energy's Tank Seismic Experts Panel; seismic consultant to the Advanced Light Water Reactor Equipment Seismic Qualification Panel; member of panel of seismic experts for probabilistic seismic hazard analysis of the proposed Yucca Mountain waste repository; member of review panel, Nuclear Regulatory Commission's Ground Motion Guidelines project; member of the Senior Seismic Hazard Analysis Committee; seismic expert for various Lawrence Livermore National Laboratory studies of probabilistic seismic hazard analyses of nuclear power plant sites; member of the Board of Directors of the Seismological Society of America, Associate Editor of the Bulletin of the Seismological Society of America from 1975-1984 and Editor from 1975-1984 (for which he was given an honorary life membership in the society); International Association of Seismology and Physics of the Earth's Interior,

Commission on Strong Motion Seismology, Chairman 1977-1983, member 1983-1992; member of the Ground-Motion Characterization Technical Integrator Team for a SSHAC Level 3 project at the Idaho National Laboratory 2019-2022.

The U.S. Department of the Interior awarded Dr. Boore the Meritorious Service Award in 1993 and the Distinguished Service Award in 2005 in recognition of his research in many different areas of engineering seismology. He is a Fellow of the American Geophysical Union and an honorary life member of the Seismological Society of America. In 2006 he was awarded the Indian Society of Earthquake Technology Trifunac Award for Significant Contributions in Strong Motion Earthquake Studies, and in 2010 he was awarded the COSMOS/EERI/SSA Bruce A. Bolt medal. He is a coauthor on a paper given the Outstanding Paper of 2008 award by the Earthquake Engineering Research Institute (EERI) at EERI's annual meeting in 2010. He was awarded the 2014 William B. Joyner lectureship and the 2018 Harry Fielding Reid Medal by the Seismological Society of America, the highest honor of the Society.

His papers and software (including the widely used SMSIM programs for computing ground-motions of engineering concern) are freely available from [www.daveboore.com](http://www.daveboore.com).