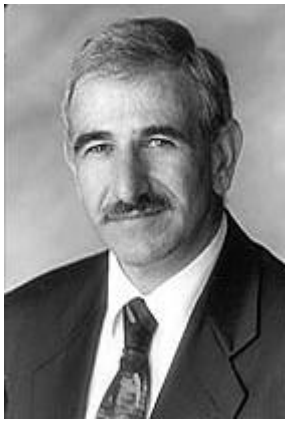
RONALD O. HAMBURGER



Date of Birth: May 22, 1952

Birthplace: New York, NY

Education: Degrees

BSCE, Polytechnic Inst. Of NY, 1974
MSCE, Polytechnic Inst. Of NY, 1974
MBA, Golden Gate Univ. 1985

Position:

Professional Civil Engineer:
California, Utah, Louisiana, Guam
Professional Structural Engineer:
California, Guam
Chief Structural Engineer, EQE International, Inc.

Ron Hamburger is an internationally recognized expert in earthquake design and structural performance evaluation, with over 26 years of experience in civil and structural engineering. As EQE International's Chief Structural Engineer he serves as a technical director or consultant for major structural engineering projects performed by the company worldwide.

He is widely recognized in the structural engineering community for his leadership in performance-based earthquake engineering. He is a past President of the Structural Engineers Association of California, past- Vice President of the Earthquake Engineering Research Institute and member of the Board of Directors of the National Council of Structural Engineering Associations. He has chaired many committees engaged in the development of seismic design standards and codes for the American Society of Civil Engineers, the American Institute of Steel Construction, the American Welding Society, the Applied Technology Council, the Building Seismic Safety Council, the International Code Council, National Fire Protection Association, SEAOC and other industry groups. He has also been responsible for the design, evaluation and upgrade of several hundred structures around the world.

Mr. Hamburger has investigated damage from seven major earthquakes, and lectured on their effects with the Earthquake Engineering Research Institute. He has been a guest lecturer at the University of California at Berkeley and at Los Angeles, Stanford University, California Polytechnic Institute, the University of Illinois, the University of Washington and University of Alaska. He has authored and presented more than 50 publications on earthquake resistant design and performed research for the National Science Foundation, Federal Emergency Management Agency and California Division of Mines and Geology. He was recently named one of the top newsmakers in engineering and construction for the year 2000, for his leadership in the FEMA/SAC program for resolution of problems created by the adverse performance of steel moment frames in the 1994 Northridge earthquake.