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Roupen Donikian is a Senior Associate at T.Y. Lin International in San Francisco. He is a certified Civil Engineer and Mechanical Engineer in California as well as a Professional Engineer in the State of Oregon. Mr. Donikian received a Bachelor of Science degree from Northrop University and a Masters of Engineering degree in Applied Mechanics from the University of California at Berkeley.

Mr. Donikian has 30 years of experience in applied and structural mechanics. He has performed numerous evaluations of major bridges, buildings, power plants, and aircraft structures. Mr. Donikian is well versed in the areas of multi-support structural dynamics (linear and nonlinear); seismic ground motion synthesis; soil-foundation-structure interaction (SFSI); probabilistic reliability analysis; structural stability; and aeroelasticity. He is actively involved in leading and consulting on projects requiring advanced analyses and design verification reviews, as well as applied research software development.

Mr. Donikian's earthquake engineering expertise includes the development of model and design parameters for vulnerability assessment, retrofit, and design of deep foundations comprising pile groups and large-diameter shafts (CIDH & CISS) of major long- and multi-span bridges. Recently, he has acted in the capacity of Project Director for the seismic rehabilitation and design of major bridge projects in South America. He is also an active member of the Earthquake Engineering Research Institute (EERI).

He has published and presented numerous papers on the seismic behavior of large bridge structural systems at the following major conferences: 2004 4th National Seismic Conference and Workshop on Bridges and Highways in Memphis; 2003 XVI Jornadas Nacionales de Ingenieria Estructural y II Conferencia Nacional de Ingenieria Sismica in Ecuador; 2002 International Bridge Conference in Pittsburgh; ASBI 2001 Annual Convention in St. Louis; ACI Spring 2000 Convention in San Diego; and the 1998 Structural Engineers World Congress in San Francisco.
