



**Gregg E. Brandow, Ph.D., P.E., S.E.**  
**Brandow & Nastar, Inc., Consulting Structural Engineers**

**SENIOR ASSOCIATE**  
**MPGroup**  
(323) 874-8973

## **CURRICULUM VITAE**

Dr. Gregg E. Brandow has practiced structural engineering for 41 years and is considered an expert in structural design, earthquake engineering and forensic engineering. His technical training was in structural analysis and design, structural dynamics, computer methods, and vibration analysis. Over the years he has developed an expertise in the standard of care for the practice of structural engineers.

Dr. Brandow spent his career from 1971 to 2012 with Brandow & Johnston, Structural Engineers, and served as president for 25 years. Dr. Brandow used his technical expertise and practical design experience to oversee the challenging structural designs and seismic retrofit projects that Brandow & Johnston had built a reputation on. During his years with Brandow & Johnston, more than 10,000 building projects were completed including highrise buildings, hospitals, schools, industrial buildings, and parking structures. Dr. Brandow has been involved in earthquake damage reconnaissance studies around the world, the study of structural failures, and the forensic study of buildings. Today, Dr. Brandow can be seen lecturing at his engineering classes at USC or consulting as a principal structural engineer with Brandow & Nastar, Inc. Brandow & Nastar, Inc. specializes in forensic engineering and consulting structural engineering including peer reviews, failure analysis, seismic evaluations, vibration studies, and structural engineering for owners, architects, and government entities.

Dr. Brandow has served and chaired committees with the National Council of Examiners for Engineering and Surveying, the American Society of Civil Engineers, and the Structural Engineering Institute. He was chair the Structural Engineering Examination/Recognition Task Force for NCEES and is an advocate for structural engineering licensure standards across the country.

### **Education:**

University of Southern California  
BSCE, Cum Laude  
Chi Epsilon - Civil Engineering Honorary  
Tau Beta Pi – Engineering Honorary  
Stanford University  
MSCE & Engineer in Civil Engineering  
PhD in Structural Engineering

### **Professional Registrations:**

Civil Engineer, California No. 22316  
Structural Engineer, California No. 2039  
C.E./S.E., State of Nevada No. 10530  
C.E./S.E., State of Idaho No. 07082

### **Experience:**

Brandow & Johnston, Inc. 1971 - 2012  
Brandow & Nastar, Inc. 2012 -

USC - Professor of Engineering Practice 1971 - present  
California Board for Professional Engineers and Land Surveyors 1998 - 2010  
California State University Seismic Review Board 1992 – Present

**Honors:**

Engineering Alumnus Award for Outstanding Achievement, School of Engineering, USC, 1990  
Honorary Member, Structural Engineers Association of Southern California, 2006  
Chi Epsilon, Chapter Honor Member, USC, 2008  
College of Fellows, Structural Engineers Association of California, 2008  
Distinguished Service Award, National Council of Examiners for Engineering and Surveying, 2009

**Professional Associations:**

Structural Engineers Association of Southern California  
Los Angeles Tall Buildings Structural Design Council  
American Society of Civil Engineers  
Earthquake Engineering Research Institute  
American Institute of Timber Construction  
The Masonry Society  
Structural Engineering Institute, Chair Professional Practice Committee  
National Council of Examiners for Engineering and Surveying, Treasurer 2004-2007

**Seismic Investigation and Research Activities:**

Member of EERI Reconnaissance Team investigating the 1976 Guatemala Earthquake.  
Coordinator EERI Reconnaissance Team investigating the 1979 Imperial County Earthquake  
Member of Reconnaissance Team for the Central Greece Earthquakes of February - March 1981 sponsored by the Committee on Natural Disasters of the National Research  
Member of EERI Chile Workshop Team for Review of Chilean Earthquake of March 3, 1985 and Chilean Seismic Design Practice  
Coordinator EERI Reconnaissance Team investigating the 1989 Whittier Earthquake  
Member of Project Engineering Panel, ATC-19 Project, "Evaluation of Performance Based Structural Response Modification Factors (R-Factors)"

**Projects Engineered at Brandow & Johnston, Inc.**

Sheraton Hotel and Conference Center, Doha, Qatar  
Base Isolation of Kerchoff Student Union, UCLA  
Seismic Strengthening of Bovard Administration Building, USC  
Test Frame for Space Shuttle Flight Simulation  
Sheraton Hotel, Universal Studios  
Engineering Building, Jet Propulsion Laboratory, Pasadena  
Directors Guild, Hollywood  
Saperstein Acute Care Tower, Cedars Sinai Medical Center  
El Tovar Condominiums, Santa Monica  
March Air Force Base Hospital Seismic Strengthening

**Publications:**

Navid Nastar, James Anderson, Gregg Brandow, Robert Nigbor, " An Analysis of Low-Cycle Fatigue in Steel Moment Frames", NASCC Structures Congress, 2010.

Hart, G.C., Brandow, G., Ekwueme, C.G., Simsir, C., Ozegbe, K., Barnes, M.S., "High Performance/Smart and Living Buildings: The Benefits Of Using Viscous Dampers On A High-Rise Building (Part I)", The Structural Design of Tall and Special Buildings, Wiley, Special Issue, 2010.

Gregg E. Brandow, Chukwuma Ekueme, Gary C. Hart, 2009 Design of Reinforced Masonry Structures, Concrete Masonry Association of California and Nevada, 2009

Navid Nastar, James C. Anderson, Gregg E. Brandow, Robert L. Nigbor, "Effects of Low-Cycle Fatigue on a Ten-Story Steel Building", Los Angeles Tall Building Structural Design Council, 2009

Gregg E. Brandow, "Brandow & Johnston Associates", The Structural Design of Tall and Special Buildings, Volume 12, Issue 3, September 2003

Gregg E. Brandow, Chair SEERTF, "Task Force Develops Model Law for Structural Engineers", Licensure Exchange, NCEES, April 2003.

Gregg Brandow and Peter Maranian, "Cracked Column Flanges in Steel Moment Frame Buildings: Considerations for Their Repair Including Report on Tests on Volumetric Weld Repairs", Vol. 14, No. 1 Journal of Materials in Civil Engineering, January/February 2002

Brandow, G.E. & Maranian, P.J., "Repair of Damaged Existing Welded Steel Moment Frame Buildings Including Weld Overlay Techniques", Conference on Structural Faults + Repairs, London, England, 4th - 6th July 2001

Hart, G.C., Brandow, G. and Johnston, R., "Seismic Rehabilitation of a Base Isolated Building Using Viscous Dampers", The Structural Design of Tall Buildings, Wiley, Special Issue, 2001.

Gregg E. Brandow, "Signing and Stamping Engineering Documents", Bulletin of Board News and Enforcement Actions, California Board for Professional Engineers and Land Surveyors, Spring 2001.

Gregg E. Brandow, "Building Evaluation Reports" Bulletin, California Board of Registration for Professional Engineers and Land Surveyors, No. 22, Fall 1997.

Dr. Rami M. Elhassan, SE, Dr. Gregg E. Brandow, SE, et al, "The Design and Analysis of a Seismic Retrofit of a Tall Concrete Building Using Supplemental Viscous Damper", The Passive Energy Dissipation System Symposium, Los Angeles County, July 19, 1996.

Gregg E. Brandow, "Stamping and Signing Documents Prepared by Others", Annual Report, California Board of Registration for Professional Engineers and Land Surveyors, May 1996.

Gregg E. Brandow, Gary C. Hart, "Seismic Strengthening of a Historical Concrete Frame with Brick Infills Using Base Isolation" The Third National Concrete and Masonry Engineering Conference, San Francisco, June 15 - 17, 1995.

S.G. Provenghi and G.E. Brandow, "Evaluation, Repair and Reinforcement of an Ultra-Thin, Two-Way Flat Slab with Drop Panels", Proceedings ACI International Conference, HongKong, 1991.

Panayotis G. Carydis, Norman R. Tilford, Gregg E. Brandow, and James O. Jirsa, The Gulf of Corinth Earthquakes of February - March, 1981, A Reconnaissance and Engineering Report National Academy Press, 1982

Gregg E. Brandow, "An Overview of the State-of-the-Practice of the Usage of Computer Programs" Proceedings of a Workshop on Earthquake-Resistant Reinforced Concrete Building Construction, Vol. II, pp. 960-968, June 1978.

Gregg E. Brandow, "Application of Geotechnical Parameters" Proceedings 46th Annual Convention Structural Engineers Association of California, October 6, 7 and 8, 1977.

William Weaver, Jr., Gregg E. Brandow and Kaare Hoeg "Three-Dimensional Soil-Structure Response to Earthquakes" Bulletin of the Seismological Society of America, Vol. 63, No. 3, June 1973.

A. Stanley Lucks, John T. Christian, Gregg E. Brandow and Kaare Hoeg "Stress Conditions in NGI Simple Shear Test" Technical Note ASCE Journal of the Soil Mechanics and Foundations Division, Vol. 98, No. SMI, pp. 155-160, January 1972.

W. Weaver, Jr., Gregg E. Brandow and Thomas A. Manning, Jr., "Tier Buildings with Shear Cores, Bracing and Setbacks" Computers & Structures, Vol. 1, pp. 57-83, Pergamon Press, 1971

Gregg E. Brandow, "Soil-Foundation-Structural Interaction During Earthquake Excitations", Technical Report No. 145, Department of Civil Engineering, Stanford University (PhD Dissertation).

Gregg E. Brandow, "Computer Programs for Static and Dynamics of Tier Buildings", Technical Report No 129, Department of Civil Engineering, Stanford University (Engineers Thesis).