Professor Emeritus Theodore V. Galambos

See:
http://www.ce.umn.edu/directory/faculty/galambos.html
http://www.bridgeengineer.org/Awards/awards_Galambos.html
http://cset.mnsu.edu/mece/people/theodore.html
http://www.barnesandnoble.com/s/t-v-galambos?category_id=836564%2C703147
http://www.worldcat.org/identities/lccn-n79-71201

Department of Civil Engineering
University of Minnesota

Biography:
Professor Theodore V. Galambos was born on April 17, 1929 in Budapest, Hungary, and he immigrated to the United States in 1948. He earned his Bachelor's and Master's degrees from the University of North Dakota, in the United States, in 1953 and 1954. He received his Ph.D. from Lehigh University, in the United States, in 1959. His academic research and teaching career started at Lehigh University in 1959. He taught at Washington University in Saint Louis and at the University of Minnesota.

His bridge engineering research spans over forty years with impressive credentials. In the 1960's he chaired an ASCE Task Committee on the State-of-the-Art of curved girder bridges. In the 1960's and early 1970's he was member of the AISI Committee that developed the draft of the Load Factor Design specification of steel bridges. He was a member of the AASHTO/AISI committee on steel bridges for at least 25 years. He was a

member of an ASCE Task Committee that recommended a specification for box-girder bridges. He participated in several bridge studies where measurements of strains and deformations of steel bridges under traffic and under trucks with known weights were performed. In the 1970's he developed the first draft of the Load and Factor Design (LFD) specification for curved girder bridges. In the 1980's he was on the team of the University of Minnesota that performed a study and produced a report on in-elastic bridge rating. At Washington University he supervised research studies on the shakedown of steel bridges.

Professor Galambos is the author of several technical books and of scores of published articles. He is the author of "Guide to Stability Design Criteria for Metal Structures", and the "Structural Members and Frames". He is the co-author of "Basic Steel Design with LRFD", and "Structural Steel Design". He is an honorary member of the American Society of Civil Engineers, and a member of the National Academy of Engineering, the Structural Stability Research Council and the International Association of Bridge and Structural Engineering. He is a registered professional engineer in Minnesota, Missouri and Pennsylvania. He holds honorary doctorates from the Technical University of Budapest, the University of North Dakota and the University of Minnesota. He is one of the 2002 recipients of the ASCE OPAL Award and the 2005 Bridge Engineering Research Award.

Research Interests:
Major research areas include the study of the inelastic behavior and stability of steel structures under load, and the application of the information gained to the design of steel buildings, bridges and other structures. Recent research projects include the study of the behavior and design of frames with trussed girders, the inelastic rating of steel bridges, and the development of Load and Resistance Factor Design specifications for cold-formed stainless-steel members and for steel highway bridges. Another research area is the probability-based design of structures and structural systems for serviceability and earthquake load.

Education:
B.S., 1953, Civil Engineering, University of North Dakota
M.S., 1954, Civil Engineering, University of North Dakota
Ph.D., 1959, Civil Engineering, Lehigh University
Doctor honoris cause, 1982, Technical University of Budapest, Hungary

Experience:
Harold Jolly Professor of Structural Engineering, Washington University at St. Louis,1969-81
Professor, Washington University, 1965-69
Chairman of Department of Civil Engineering, Washington University at St. Louis,1970-78
Associate Professor, Lehigh University, 1963-65
Assistant Professor, Lehigh University, 1969-63
Structural Engineer, Babcock and Wilcox 1954-57
Visiting Professor: US Military Academy, 1990; Sydney University, 1993; University of the Witwatersrand, 1993

Selected Publications:

Galambos, T.V. 2001. Strength of singly symmetric I-shaped beam columns. AISC Engineering Journal, second quarter.

Galambos, T.V. 2001. The performance and design checking of chord-angle legs in joist girders. AISC Engineering Journal, third quarter.

Galambos, T.V. 2001. The Structural Stability Research Council and the stability criteria in the AISC specification. Proceedings, Structural Stability Research Council, May, Fort Lauderdale, Fla.

Jimenez, G.A. and T.V. Galambos. Inelastic stability of pinned tapered columns. 2001. Proceedings, Structural Stability Research Council, May, Fort Lauderdale, Fla.

Galambos, T.V. 2000. The effect of material properties on the stability design criteria of steel structures. Proceedings, Structural Stability Research Council, July, Memphis, Tenn.

Galambos, T. V. 1998. Guide to Stability Design Criteria for Metal Structures, Fifth ed., John Wiley and Sons.

Ito, M. and T. V. Galambos. 1993. Minimum weight design of continuous composite girders. ASCE J. Struct. Engrg., 119(4).

Barker, M. G. and T. V. Galambos. 1992. Shakedown limit state of compact steel girder bridges. ASCE J. Struct. Engrg., 118(4):986-98.

Dishongh, B. E. and T. V. Galambos. 1992. Residual deformation analysis for inelastic bridge rating. ASCE J. Struct. Engrg., 118(6):1494-1508.

Galambos, T. V. 1992. The effect of lateral bracing on the stability of steel trusses. J. Construct. Steel Res., 1(4):251-258.