



Professor Tsu Teh Soong (T.T. Soong)

See:

http://engineering.buffalo.edu/civil-structural-environmental/people/faculty_directory/tt-soong.html
https://www.researchgate.net/scientific-contributions/5423501_T_T_Soong

Dept. of Civil, Structural and Environmental Engineering
State University of New York at Buffalo, USA

Education:

1955 B.S. Mechanical Engineering, University of Dayton
1958 M.S. Engineering Sciences, Purdue University
1962 Ph.D., Engineering Sciences, Purdue University

Selected Awards:

1999 American Society of Civil Engineers (ASCE) Norman Medal
2002 American Society of Civil Engineers (ASCE) Newmark Medal
2004 SUNY Distinguished Professor

Research Interests:

Large scale systems in civil engineering; Structural control and identification; Reliability and safety of engineering systems; Earthquake engineering

Selected Publications:

Books:

T.T. Soong and Mircea Grigoriu, Random vibration of Mechanical and Structural Systems, Prentice Hall, 1993, 402 pages
T.T. Soong, Fundamentals of Probability and Statistics for Engineers, Wiley, 2007, 408 pages

Journal Articles, etc.:

R. A. Van Slooten and T. T. Soong, "Buckling of a Long, Axially Compressed, Thin Cylindrical Shell With Random Initial Imperfections", *Journal of Applied Mechanics*, Vol. 39, No. 4, pp. 1066-1071, December 1972

Soong T.T. Roth-D.S. Shian, A.C. Dynamic buckling of conical shells with imperfections. *The American Institute of Aeronautics and Astronautics Journal*, 12(6):24-30, 1974.

A.C. Shiau, T.T. Soong, R.S. Roth, "Dynamic buckling of conical shells with imperfections", *AIAA J*, 12 (6) (1974), p. 755

Soong, T. T.; Cozzarelli, F. A.: Vibration of disordered structural systems. *Shock Vibr. Digest* 8 (1976) 21–35

Socha L, Soong T (1991) Linearization in analysis of nonlinear stochastic systems. *Appl Mech Rev* 44:399–422