

“T. T. Soong Student Lecture Series” at University at Buffalo

Opening Lecture:

Tsu Teh Soong

Emeritus Distinguished Professor, University at Buffalo, SUNY

“NCEER/MCEER: A Historic Perspective and Structural Control Research”

Wednesday, February 8th, 2012, 1:00 P.M.

Location: 140 Ketter Hall, North Campus, University at Buffalo

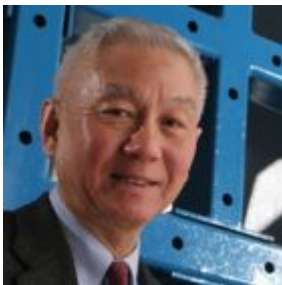
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Webcast URL: <http://civil.eng.buffalo.edu/webcast>

Abstract

The National Center for Earthquake Engineering Research (NCEER) at the University at Buffalo was launched in 1986 and, since that time, it has gone through several transformations. The first part of this talk gives a brief retrospect of NCEER with its people, research goals and programs.

One of the strong national and international research initiatives spearheaded by NCEER was structural control, which involves innovations related to protection of engineering structures against strong earthquakes and other extreme loads. The second part of this talk provides a broad overview of this research area with its activities and achievements, together with a look to the future.



Dr. Soong received his Ph.D. from Purdue University in 1962. After working as Senior Research Engineer at Jet Propulsion Laboratory in Pasadena for 18 months, he joined the engineering faculty at the State University of New York at Buffalo in 1963 as Assistant Professor (1963-66), Associate Professor (1966-68), Professor (1968-89), Samuel P. Capen Professor (1989-2009), SUNY Distinguished Professor (2004-2009), and SUNY Distinguished Professor Emeritus (2009-present). He retired from UB in 2009 but is still active in research and teaching. He is currently Chair Professor of Engineering Science at the Hong Kong Polytechnic University on a part-time basis.

Dr. Soong’s research interests have been in the area of structural dynamics, reliability and control. He was one of five authors of a National Science Foundation proposal that led to the establishment in 1986 of the National Center for Earthquake Engineering Research in Buffalo. His work in structural control has led to the development of passive and active control systems for actual applications in the U.S. and other countries. He was awarded the Humboldt Prize in 1987, the ASCE Norman Medal in 1999, and the ASCE Newmark Medal in 2002 for his work in this area.

Dr. Soong is the author or co-author of 11 books, 134 journal publications, and 141 conference proceedings.