

# ***THE RESPONSE SPECTRUM***

*A Technical Seminar on the Development and  
Application of the Response Spectrum Method for  
Seismic Design of Structures*

LECTURE #1

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**Response Spectra**

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[http://www.usc.edu/dept/civil\\_eng/Earthquake\\_eng/](http://www.usc.edu/dept/civil_eng/Earthquake_eng/)

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He is a member of American Geoph. Union (AGU), American Soc. of Civil Eng. (ASCE), Seismological Soc. of America (SSA), Earthquake Eng. Research Institute (EERI), Indian Soc. of Earthquake Technology (ISET), and New York Academy of Sciences. He is also a member of the Yugoslav Academy of Engineering, of the Russian Academy of Natural Sciences, Fellow of the Indian National Academy of Engineering, and Honorary Member of Indian Society of Earthquake Technology. He received the Kapitsa Gold Medal, to author of scientific discovery in 2002 from the Russian Academy of Natural Sciences, Lockheed Martin Senior Research Award for seminal contributions in the field of earthquake engineering and seismology in 2000 from USC, the ISET Award in Earthquake Technology in 1989 for the best paper in that year, and the Hanumatacharya Joshi Award in 1991 for the best paper in structural dynamics. He has been named among *Top 20 Authors on the Special Topic – Earthquakes* worldwide for the period 1993-2003 (one of only two earthquake engineers on this lists), and among *Top 1% Authors in Engineering* worldwide for the period 1995-2005 by the Institute of Scientific Information (Thompson ISI).