



5th International Conference on Multibody Systems, Nonlinear Dynamics, and Control (MSNDC)

Lyapunov Lecture

Date: Wednesday, September 28, 2005

Time: 8:00am - 9:00am

Location: Regency Ballroom A, Third Level, 4th Floor, Hyatt Regency Long Beach

Keynote: Ali Hasan Nayfeh, Distinguished Professor of Engineering, Virginia Tech

Keynote Topic: Nonlinear Dynamics: Theory and Applications

Dr. Nayfeh is a University Distinguished Professor of Engineering at Virginia Tech since 1976. He is a world-leading expert in nonlinear dynamics. He has ten published books; 400+ articles in peer-reviewed archival journals, 37 book chapters, 556 presentations at national and international meetings, 66 Ph. D's graduated through his programs, and demonstrable leadership in and service to the scientific community. He obtained his BS in 1962, MS in 1963, and PhD in 1964 from Stanford University, all in five years. He holds honorary doctorates from the Marine Technical University, Saint Petersburg, Russia (1996), and the Technical University of Munich, Germany (1999). He is a fellow of the American Physical Society, the American Institute of Aeronautics and Astronautics, the American Society of Mechanical Engineers, and the American Academy of Mechanics. He received the American Institute of Aeronautics and Astronautics Pendray Aerospace Literature Award (For seminal contributions to perturbation methods, nonlinear dynamics, acoustics, and boundary-layer transition; praiseworthy for their quality relevance, timeliness, and lasting influence on the aerospace community.) in 1995 and the American Society of Mechanical Engineers J. P. Den Hartog Award (Presented in recognition of lifetime contributions to the teaching and practice of vibration engineering.) in 1997; Honorary Doctorate, St. Petersburg University, Russia, 1996; Frank J. Maher Award for Excellence in Engineering Education, 1997; College of Engineering Dean's Award for Excellence in Research, 1998; Honorary Doctorate, Technical University of Munich, Germany, 1999; S. K. Mazumder, A. H. Nayfeh, and D. Borojevic, "A Theoretical and Experimental Investigation of the Fast- and Slow-Scale Instabilities of a DC-DC Converter," IEEE Transactions on Power Electronics, Vol. 16, No. 2, 2001, pp. 201-216, winner of the IEEE Power Electronics Society Transactions Prize Paper Award for 2001; Honorary Doctorate, Politechnika Szczecinska, Poland, May 2004; ASME Lyapunov Award, first recipient of newly established and prestigious award, (Presented for lifelong contributions to the field of nonlinear dynamics), 2005; and Virginia Life Achievement in Science Award, 2005. He is the Editor of the Wiley Book Series on Nonlinear Science and the Editor-in-Chief of Nonlinear Dynamics and Journal of Vibration and Control.