



2004  
Applied Mechanics  
Division Award

*Presented To*

**Professor Arthur W. Leissa**

*In Recognition Of*

**His fundamental contributions to mechanics and design, and for academic leadership**

*Presented At*

**The 2004 International Mechanical Engineering  
Congress & RD&D Expo  
Anaheim, CA**



**Professor Arthur W. Leissa**  
Department of Engineering  
Colorado State University

After earning two degrees in Mechanical Engineering, Arthur W. Leissa received his Ph.D. degree in Engineering Mechanics in 1958 from Ohio State University, and remained there as Assistant Professor. He became Professor of Engineering Mechanics at Ohio State in 1964, and retired there in 2001. The academic year 1972-73 was spent as Visiting Professor at the Federal Institute of Technology in Zurich, Switzerland, teaching graduate courses and doing research. Subsequently, 1985-1986 was given to a Visiting Professorship at the Air Force Academy in Colorado Springs. Currently, he is an Adjunct Professor of Mechanical Engineering at Colorado State University. He is the author of two classic books, *Vibration of Plates* and *Vibration of Shells*, which summarize the literature in these fields, as well as approximately 200 other publications dealing primarily with elasticity, plates, shells, vibrations and buckling of continuous systems, composite materials, and approximate methods of solving boundary value

problems. Besides being Editor-in-Chief of Applied Mechanics Reviews for the past eleven years, he is on the editorial boards of Journal of Sound and Vibration, International Journal of Mechanical Sciences, Composite Structures, and of Journal of Vibration and Control. He is a Fellow of ASME and of the American Academy of Mechanics, and was President of the American Academy of Mechanics for the year 1987-88. He was the founder of the Pan American Congress of Applied Mechanics (PACAM), and was General Chairman of the first one, held in Rio de Janeiro, Brazil in January 1989. His technical experience includes employment by the Sperry Gyroscope Co., Boeing Airplane Co., North American Aviation, Inc., Battelle Memorial Institute, Kaman Nuclear, and General Motors as an engineer or long-time consultant. In his spare time he climbs mountains and skis.

---

## **Applied Mechanics Executive Committee 2004-2005**

**Mary C. Boyce**, Chair

**Wing K. Liu**

**Thomas N. Farris**

**Krishnaswa Ravi Chandar**

**Daniel J. Inman**

**Pol Spanos**

# Applied Mechanics Division Award

## Past Honorees

- 1988 H. Norman Abramson
- 1989 Sam Levy
- 1990 Owen Richmond
- 1991 George Abrahamson
- 1992 William G. Gottenberg
- 1993 David Hibbit
- 1994 Siegfried S. Hecker
- 1995 Harry Armen
- 1996 Sheila E. Widnall
- 1997 Richard Skalak
- 1998 John A. Swanson
- 1999 Karl S. Pister
- 2000 Richard MacNeal
- 2001 Dan Mote
- 2002 David E. Newland
- 2003 John O. Hallquist