

DANIEL C. DRUCKER MEDAL



Professor Albert S. Kobayashi

*Department of Mechanical Engineering
University of Washington*

**For his seminal contributions to the fields of experimental
and fracture mechanics**

Professor Albert S. Kobayashi received a Bachelor's of Engineering in 1947 from the University of Tokyo, Master of Science in Mechanical Engineering in 1952 from the University of Washington, and a Doctor of Philosophy in 1958 from Illinois Institute of Technology. He returned to the University of Washington as an Assistant Professor in 1958 and was promoted to an Associate Professor in 1961 and to a Professor in 1965. He was the Boeing Pennell Professor of Structural Mechanics, July 15, 1988 through September 15, 1995. He has been Professor Emeritus in the Department of Mechanical Engineering since June 1997.

His publications, which exceed 490, cover the fields of experimental stress analysis, finite element analysis, and biomechanics in addition to his current and main interest in fracture mechanics. He was the editor and author of the SESA Monograph, "Experimental Techniques in Fracture Mechanics," Volumes I and II; the editor of the Manual of Experimental Stress Analysis, second and third editions; and the editor of the 1st and 2nd editions of the Handbook of Experimental Mechanics which was published in 1986 and 1993, respectively.

Dr. Kobayashi is a member of the National Academy of Engineers, a Fellow of the American Society of Mechanical Engineers (ASME), Honorary Life Member of the Society for Experimental Mechanics, Honorary Fellow of the International Congress of Fracture, and a member of the Japan Society of Mechanical Engineers (JSME), American Academy of Mechanics, Sigma Xi and Tau Beta Pi. He has held numerous offices in SEM and ASME and was the president of SEM for 1989-90. He was awarded the F.G. Tatnall Award

in 1973, the B. J. Lazan Award in 1981, the R. E. Peterson Award in 1983, and the William M. Murray Lecture Medal in 1983, all from SESA, the first Mechanics of Materials Division Award from JSME in 1991, the Faculty Achievement Award for Outstanding Research 1991-1992 from the Burlington Resources Foundation and the M. M. Frocht Award in 1995 from SEM. The International Conference on Dynamic Fracture was held in his honor in San Antonio, Texas, November 7-9, 1984. He was the General Chairman of the 12th U.S. National Congress of Applied Mechanics which was held in Seattle, WA, June 26 - July 1, 1994. He was the recipient of the 1995 ASEE General Electric Senior Research Award and the Order of the Rising Sun, Gold Rays with Neck Ribbon from the Emperor of Japan on April 29, 1997. In August 1997, he received the Distinguished Alumni Award from the Japanese American UW Alumni Club. In August 2006, he was inducted into the Hall of Fame of the Department of Mechanical Engineering at the University of Washington.

The Drucker Medal was presented to Professor Kobayashi at the banquet on June 5, 2007, during McMAT 2007, the Applied Mechanics and Materials Division's summer conference held in June 2007 in Austin, TX. A special symposium was also organized in his honor during this conference.

The Daniel C. Drucker Medal was established in 1997 and is conferred in recognition of distinguished contributions to the field of applied mechanics and mechanical engineering through research, teaching and service to the community over a substantial period of time.