GEORGE K. WOLFE

Technical Advisor

Structural and Mechanical Engineering Systems

B.S., Aeronautical Engineering, California Polytechnic State University, 1966
Graduate Work in Engineering Administration, St. Mary's University, 1970

Mr. Wolfe retired from Southwest Research Institute in October of 2006 where he was Assistant Director of the Structural Engineering Department. Mr. Wolfe had co-responsibility for administration and program development in all areas of marine technology with emphasis on structural systems development, fabrication and marine testing.

Since leaving SwRI, Mr. Wolfe as been involved with the Institute and other organizations as a consultant in the areas of structural design, fabrication and marine program development.

Mr. Wolfe was one of the pioneering individuals in the development of SPM hose technology at SwRI. He was the program manager and principal engineer for the initial studies of SPM hose failures that were conducted for the OCIMF in 1974. The recommendations of those efforts resulted in a follow-on program (1976-1980) where SwRI was tasked to design and build a full scale dynamic test facility that simulated the motions of first-off-buoy hoses in service and to evaluate each of the particular designs of hose on the market at that time. Again, Mr. Wolfe was program manager and principal investigator for the program. The results of the program were used to evaluate and modify the OCIMF standards to improve hose quality.

After that program, Mr. Wolfe was involved with several clients in evaluating SPM hose failures and has done numerous failure examinations including on-site investigations at Irving Oil's facility at Canaport. Mr. Wolfe has visited the factories and had technical interaction with all of the major hose manufacturers as well as many of the SPM terminals throughout the world. Mr. Wolfe continued to work with the industry and with other SwRI engineering personnel in SPM hose testing/evaluation/failure analysis until his retirement.

Mr. Wolfe has working knowledge of the OCIMF standards as well as structural codes such as API, AWS, ANSI, ASME Sections I, III, and VIII (Divisions 1 and 2 and PVHO), ABS, and Det Norske specifications and requirements for manufacture and certification.

PROFESSIONAL CREDENTIALS: Registered Professional Engineer, State of Texas.

PROFESSIONAL CHRONOLOGY: Douglas Missile and Space Systems Division: engineering draftsman, 1965-6; The Marquardt Corporation: member of technical staff, 1966-7; The Marquardt Corporation: member of advanced technical staff, 1967-70; Southwest Research Institute: 1970-[research engineer, 1970-5; senior research engineer, 1975-7; group leader and acting manager, 1977-8; manager, 1978-94; assistant director, 1994-2007; technical advisor, 2007-present].

MEMBERSHIPS: Chairman Ocean Engineering Division ASME, 1988-1989; Chairman API Subcommittee on Subsea Production Systems (SC 17), 1990-1999; Chairman, Main Committee, Pressure Vessels for Human Occupancy Committee of ASME, Member of Board of Pressure Technology of ASME; Member ISO/TC 67/SC 4/WG6 on Subsea Equipment; Fellow ASME; Member of Board of Directors of the International Petroleum Technology Institute of ASME.

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