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Resume of Richard Homer Franke, 1991-02

Franke, Richard Homer

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RESUME OF RICHARD HOMER FRANKE

Richard Franke was born in Herndon, Kansas in 1937. He attended Fort Hays Kansas State College where he majored in mathematics and physics. He received the degree Bachelor of Science in 1959. Graduate study followed at the University of Utah where he received the degree of Master of Science in 1961. His thesis was an investigation of Duffing's equation and was directed by Professor C.R. Wylie, Jr.

After graduation, he was employed by the Boeing Company at Wichita, Kansas, and later at Huntsville, AL, and New Orleans, LA, where he worked on the Saturn S1-C project.

In 1964, he was employed by Kaman Nuclear, Colorado Springs, CO, where he did research into the effects of nuclear weapons.

In 1966, he returned to graduate school at the University of Utah and received his Ph.D. degree in 1970. His dissertation, "Orthogonal Polynomials and Approximate Multiple Integration" was directed by Professor Robert E. Barnhill.

In July 1970, he joined the faculty of the Naval Postgraduate School, where he is teaching in the Department of Mathematics. He was promoted to Associate Professor in 1976 and to Professor in 1984.

His current research interests are in applied approximation theory, particularly the approximation of surfaces from scattered data measurements. He has performed studies for several Navy Laboratories over the years and spent a year at the Office of Naval Research European Office as a Liaison Scientist in 1988-89. For several years he has worked with personnel at the Naval Oceanographic and Atmospheric Research Laboratory, West, on weather data problems. He is a reviewer for Mathematical Reviews and Computing Reviews, a referee for numerous mathematical journals, and is an Associate Editor of Computer Aided Geometric Design.

He is a member of the Society of Industrial and Applied Mathematics and Sigma Xi. He has appeared in Outstanding Young Men of America, Who's Who in the West, and Who's Who in Technology Today.