

Short Biography

fredic j harris

fredic j harris is a professor of Electrical and Computer Engineering at San Diego State University where he holds the **CUBIC** Signal Processing Chair of the Communicating Systems and Signal Processing Institute. He has taught at SDSU since 1967 in areas related to Digital Signal Processing and Communication Systems. His course emphasis includes Multi-rate Signal processing, Fast Fourier Transforms, Adaptive Algorithms, DSP based Signal Conditioning Systems including Noise Feedback Quantizers, High performance DSP algorithms, Source Coding, and Error Correcting Codes.

He has extensive practical experience applying his skills to satellite and cable TV communication systems, underwater acoustics, advanced radar and high performance laboratory instrumentation. He holds a number of patents on digital receiver technology and noise feedback techniques and lectures throughout the world on DSP applications. He consults for organizations requiring high performance DSP systems including the Navy Ocean Systems Center, Lockheed, ESL, Cubic, Hughes, Sylvania-GTE, Scientific Atlanta, Rockwell, Brooktree, Comstream, Hewlett Packard, Tektronix, TRW, GDE, and Motorola.

He is well published and has contributed to a number of books on DSP. In 1990 and 1991 he was the Technical and then the General Chair of the Asilomar Conference on Signals, Systems, and Computers which meets annually in Pacific Grove, California. He is a Senior member of the IEEE and his education includes a Bachelor's Degree in EE from the Polytechnic Institute of Brooklyn (1961), a Master's Degree in EE from San Diego State University (1967) and Ph.D. work at the University of California, San Diego (1968-1973).

He is the traditional absent-minded professors and drives secretaries and editors to distraction by requesting lower case letters when spelling his name. He roams the world collecting old toys and slide-rules and riding old railways.

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