

ADDRESSES:

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EDUCATION:

Degree Courses:

BSEE (cum laude), University of Houston, Houston, Texas., 1967
MSEE, University of Houston, Houston, Texas., 1968.
Ph.D. in Electrical Engineering, University of Houston, Houston, Texas., 1978.

Continuing Education:

International Symposium on Operator Theory of Networks and Systems, Lubbock, Texas, August 17-19, 1977.
IEEE International Symposium on Circuits and Systems, Houston, April 28-30, 1980.
IEEE Short Course on Hardware/Software Reliability, Los Angeles, CA, November, 1981.
ASEE Gulf Southwest Regional Meeting, Houston, March 11-13, 1982.
IEEE Satellite Teleconference on Robotics, "The Past is Prologue," December 7, 1982.
IEEE International Symposium on Circuits and Systems, Newport Beach, California, May 2-4, 1983.
IX Simposium Internacional de Sistemas Computacionales, Monterrey, Mexico, March, 1984.
IEEE International Symposium on Circuits and Systems, Montreal, Canada, May 7-10, 1984.
IEEE Satellite Teleconference on Artificial Intelligence, February 26, 1986.
IEEE/INNS International Joint Conference on Neural Networks, Washington DC, June 18-22, 1989.
IEEE Satellite Teleconference on Neural Networks Houston, Texas, October, 1989.
IEEE International Symposium on Circuits and Systems, New Orleans, LA, May, 1990.
High Performance Design for the 1990s Seminar, Houston, TX, March, 1992.
IEEE International Symposium on Circuits and Systems, Orlando, FL, May 30-June 2, 1999.
Introduction to VHDL and Synthesis, Presented by Dr. K. C. Chang at ISCAS99, Orlando, FL, May 29, 1999.
Xilinx Spartan-III FPGA Workshop, Presented by Insight/Memec, Houston, Texas, April 15, 2004.

PROFESSIONAL AND HONORARY SOCIETIES:

Member, Institute of Electrical and Electronic Engineers.
Member of Sigma Xi, scientific research society.
Member, Theta Tau, professional engineering fraternity.
Elected to Tau Beta Pi, engineering honor society.
Elected to Eta Kappa Nu, electrical engineering honor society.
Elected to Phi Kappa Phi, national honor society.
Elected to Sigma Pi Sigma, physics honor society.

PROFESSIONAL EXPERIENCE:

1. Self-employed, August 1975 to present, Circuit Consultant. President of Circuit Concepts, Inc., August 1978 to present.

Areas of interest:

Precision, low noise, high speed analog / digital signal processing
High resolution A/D and D/A interfaces
Circuit optimization and analysis
Seismic system design
High temperature electronic design
Active and digital filter design
Data communication circuits
Sensor design
Custom analysis and synthesis software
Design with FPGA devices
Linux OS configuration and application

Recent projects:

Optimization of thermal print head response
High resolution sensor stimulus / response unit
Processing and enhancement of well survey data
Development of SVG based log report programs
High speed camera data acquisition / processing

2. University of Houston, January 1980 to December 1993, Adjunct Associate Professor of Electrical Engineering. Responsible for senior/graduate level courses and labs in advanced electronics.

3. University of Houston, January 1979 to January 1980, Lecturer in the Electrical Engineering Department. Taught courses in electronics.

4. University of Houston, July 1979 to July, 1980, Co-investigator on Air Force sponsored research grant "RLU - Applications to the Design for Repair Methodology Program."

5. Presented expert testimony on the application and technology of precision resistor products, Sfernice vs Vishay Resistive Products, Washington, D. C., October, 1979.

6. University of Houston, September 1975 to January 1978, Instructor in the Electrical Engineering Department.

7. Mandrel Products, April 1974 to August 1975, Product Development Engineer.
8. General Electric Company, Apollo Systems, June 1968 to April 1974, Design Engineer.
9. University of Houston, Houston, Texas, 1966 to June 1968, Research Fellow.
10. University of Houston, Houston, Texas, June 1966 to September, 1966, Technician.
11. NASA, Manned Spacecraft Center, Houston, Texas, June 1963 to January 1967, Student Trainee.

PUBLICATIONS AND PRESENTATIONS:

- 15 technical papers published.
- 13 technical presentations.

PATENTS:

- 19 patents issued.