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Irwin Weitman received his BSEE from Columbia University and his MSEE from Polytechnic Institute of Brooklyn. He is a Registered Professional Engineer in the State of New York since 1970. Irwin is a Senior Life Member of IEEE and a member of IEEE since 1956. Irwin has been a successful self-employed independent consultant since 1985. Prior to 1985 he worked for many companies, including Ademco, General Microwave, Brookhaven National Laboratories and PRD. His primary technical expertise is in analog circuit design, instrumentation systems and control systems.

PROFESSIONAL SPECIALTIES SKILLS

Analog and digital circuit design
Designs for high volume consumer products
Instrumentation and Systems
Printed Circuit Board design and remediation
Consumer Products
Military Products
Medical Products

A few of the products he has designed are:

Space applications such as earth edge detector for the stabilization of space satellites.
Numerous Infra-Red Detection devices for the High-volume consumer Alarm industry.
Low Noise, Low Power Pre-Amp/Signal conditioner for Chandra X-Ray Telescope.
Pin diode drivers for microwave switches, modulators and phase shifters.
Electronic Biomedical implants in animals and humans.
Designed several TNS, transcutaneous stimulators.
Data access system and control system for LINAC, Linear Accelerator.
Developed a BWO, Backward Wave Oscillator Power Supply.
Signal conditioners, low level, high speed, linear and non-linear.
Designed Decoder for serial data control.
Cryogenic temperature measuring devices.
Glucose measuring for diabetic patients by reflectivity of chemically treated pad.
Several Thermoelectric power meters.
Design of a VSWR Meter.
Designed many Low noise video amplifiers.
Flyback transformer design for consumer TV.
Patent review and expert testimony.
Electric blanket and heating pad controllers for consumer market.
Testers for uP board production.

IEEE ACTIVITIES

Irwin is one of the founding members of the IEEE Consultants Network of Long Island (1984). He was First Vice Chairman in 1986 and 1987 and was Chairman of the Consultants Network for two terms, 1988 and 1989, and then again in 2002.

In 1989 Irwin recognized the need for a National Consultants Network within IEEE and after more than a

year of encouraging USAB, he, along with several other dedicated members of the Long Island group convinced USAB to form the Private Practitioner Task Force. In January of 1993, the USAB chartered the group under the name of **Alliance of IEEE Consultants Networks** (AICN). This group has grown to more than 30 networks throughout the USA and claims more than 1500 individual members

On January 1, 1991, Irwin became the Chairman of the Professional Activities Committee for Engineers (PACE) of the Long Island Section, a position that he still holds. . Since 1991, has Irwin authored a Professional Activities column in the PULSE of Long Island.

In 1998 Irwin and a committee of members of the IEEE Consultants Network of L.I. organized a National Conference of the AICN at the Windwatch Hotel in Islandia.

Irwin has presented numerous papers at IEEE conferences. Most of these relate to consulting and career related subjects. His activities with IEEE have given him an opportunity to talk to engineers and learn what their professionally related problems are. He is able to share with new consultants, how some individuals have coped with these problems.

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