

Data Design Corporation
John J. Giganti

Labor Category: Program Manager, Technical Advisor
Clearance: Information available on request
Education: MSEE, Electrical Engineering, University of Maryland, 1970
BSEE, Electrical Engineering, University of Maryland, 1966

Summary of Qualifications:

- Over 28 years experience in managing, engineering design and systems engineering of electrical and electronic systems, including acting as engineering technical director
- Over 30 years design and development experience related to the fabrication of research instruments including ultra low noise signal measurement electro optical systems and high speed data acquisition.
- Over 15 years design experience with specialized power systems development, including high efficiency switching power supplies, battery charging systems for various chemistry cells, high power pulse design and micro miniature power systems
- Over 30 years of system design experience for instrumentation with analysis of design tradeoffs to achieve customer requirements

Experience:

1987 – Present, President and Principal Engineer, Data Design Corporation (Gaithersburg, Maryland) Leads and provides technical oversight for multiple programs to include systems design, and development of novel instrumentation for various DOD programs and other customers. Assists customer personnel in the formulation of system specifications, and perform initial system design. Included is the direct supervision of engineers, as well as program management.

1970 to Nov 1987 Consulting Engineer, Consulting engineer for instrumentation systems and other electronic design issues for various companies. Work included high speed adaptive optic systems for laser beam control, electronic countermeasure system development for radar, fiber optic communication systems, low light level CCD camera development, embedded processor data acquisition. Awarded two patents for work in fiber optic communications, and bar code scanning.

1966 – 1997, Director, University of Maryland Physics Department, Electronics Design Facility (College Park, Maryland) From 1971 to 1987 (part time after 1987 to 1997). Organized and led a group of engineers, programmers, and technicians which designed research instrumentation for Physics Department research programs. This group worked on programs including the design of an Apollo lunar experiment, many data acquisition systems, fiber optic data links, optical tracking instruments, sounding rocket and balloon packages, and low noise radio frequency receivers in the HF to VHF range. Responsible for formulating system specifications, and cost controls for multiple simultaneous tasks.