

Scott Graham

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Education:

AS Electrical/Electronic Technology, OSU-Okmulgee; 1984.

Professional Experience :

1984-1986 - Conoco NGP, Carlsbad, N.M. - Instrument Technician - Designed installed and maintained pneumatic and electronic instrumentation and control systems as they relate to gas processing.

1986-1987; Celanese Corporation, Vernon, TX- Senior Electrician - Supervised the electrical maintenance program, oversaw all new electrical construction, performed PLC programming maintained data acquisition systems , and repaired electronic control devices.

1987-1988; City of Altus, Altus, OK - Electronic Technician - Installed and maintained traffic control and communication equipment used by the various departments. Also calibrated and maintained all instrumentation at the water purification plant.

1988-1992; Additive Systems Inc., Broken Arrow, Ok – **Field Engineer** - Supervised new construction of product terminals and pipeline facilities throughout North America.

1992-1999 ; Panel-Tek Inc., Tulsa, OK - Owner / Manager / Engineer - Designed, manufactured, and marketed electronic controls for the oil and gas industry. Products include but not limited to temperature measurement devices, flow computers, and data acquisition equipment. Oversaw sales and marketing efforts and maintained fourteen distributors across the United States and Canada. Annual revenues exceeded one million dollars. Sold Panel-Tek Inc. in 1997 to Emerson Electric and stayed on as division manager until 1999.

1999 – 2000; Oklahoma State University-Okmulgee, Okmulgee, Ok – Industrial Trainer/Coordinator - Coordinated industrial training and other economic development activities as related to the Instrumentation/Automation fields of study. In conjunction with this I provided instruction in the following areas: Basic AC/DC circuits, PLCs, National Electric Code, Electronic Control Devices, Digital Electronics, Motor Controls, Process Measurement and Control, Instrumentation and industrial electrical systems.

2000-2002; Oklahoma State University-Okmulgee, Okmulgee, Ok Interim Department Head Electrical/Electronic Technology - Developed and implemented an innovative Capstone course which utilized the collaborative efforts of technical fee allocations with student learning opportunities to produce state of the art training equipment for classroom and industry training purposes. Implemented formative assessment and feedback processes through the utilization of final course exams, industry advisors, student internship self-reports, and supervisor's evaluations. Guided the effort to re-align the program and curriculum to meet industry requirements.

2002-2004; Oklahoma State University-Okmulgee, Okmulgee, Ok - Program Coordinator Electrical/Electronic Technology - Provided technical over-sight of the program and handled all external relations including job placement and internships. Taught 12-15 credit hours per semester. Initiated a competency based framework and standardized curriculum format for all technical courses within Electrical/Electronic Technology.

2004 – Present University of Tulsa, Tulsa, Ok, Project Engineer - operate and maintain high and low pressure flow loops; participate in the design of the facilities and their modifications; design of flow loop instrumentation; specify, identify and order equipment and instrumentation systems; construct of facilities and install instruments, wire instrumentation systems; develop data acquisition programs; document the facilities (piping and electrical drawings); supervise outside contractors and students; assist graduate students in their research activities and flow loop operations; provide maintenance and evolution of instrumentation systems; troubleshoot existing systems in case of failures; develop innovative and challenging measurement systems and sensors; plus teach and transfer practical instrumentation knowledge to students.

Honors and Awards:— Outstanding Faculty Award OSU-Okmulgee, Electrical Contractor License State of Oklahoma, inducted into OSUIT Hall of Fame 2018 as a Distinguished Alumni.

Publications and Patents—multiple papers and conference proceedings.
United States Patent 6,178,810 - Crude Oil Measurement System