

Curriculum Vitae

James E. Smith

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V19 Consulting, Inc.

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Professional Experience

- 2002 - V19 Consulting, Inc.**
President
Develop and teach training courses on instrument transformers, quality systems, and quality tools. Perform product and system failure investigations.
- 1998 – 2002 Kuhlman Electric Corporation**
Quality Assurance Manager, Power Transformer and Oil Instrument Transformer Divisions
Overall responsibility for the 20 person quality and test departments of the two divisions.
- 1987 – 1998 ABB Power T&D Company, Inc.**
1997-1998 *Customer Order Engineering Manager*
1996-1997 *Quality Assurance Manager*
1994-1998 *Product Development Engineering Manager*
Overall responsibility for a 5 person engineering department.
1987-1994 *Senior/Fellow Engineer*
Designed and implemented new products and processes.
- 1983 – 1987 EPCO Products, Inc.**
Quality Control Manager and Chief Engineer
Designed and implemented new products. Developed a quality system to meet military and UL requirements.
- 1980 - 1983 Abbott Magnetics, Inc.**
Vice President of Engineering
Developed quality and test procedures. Designed and implemented new products.
- 1978 – 1980 Westinghouse Electric Corporation**
Quality Control/Design Engineer
Member of the start up team for a new manufacturing facility.
- 1967 – 1978 Westinghouse Electric Corporation**
Design Engineer
Designed new medium voltage, high voltage, and extra high voltage instrument transformers.
- 1964 – 1967 Westinghouse Electric Corporation**

Sales Engineer
Negotiator for indoor and outdoor lighting fixtures.

Education

1964 **Bachelor of Science in Electrical Engineering**, North Carolina State University

Continuing Education

2008 **General Physics I and II**, Audited at Clemson University
2009 **Electric Power Engineering**, Audited at Clemson University
2009 **Power Systems Analysis**, Audited at Clemson University
2010 **Power System Protection**, Auditing at Clemson University

Patents

1973 Patent 3,742,410; "ADPAPTOR FOR MOUNTING CONVENTIONAL THROUGH-TYPE CURRENT TRANSFORMERS ON FLAT SPADE TERMINALS"
1976 Patent 3,996,543; "Current transformer"; Co-inventor, Edmond E. Conner

Organizations

Current Member American Society for Quality
 The Institute of Electrical and Electronics Engineers, Inc.
 American Society for Training & Development
Past Member CIGRE
 Advisory Board, Jackson State University, Department of Technology
Past Examiner Excellence in Mississippi
Past Assessor MEP of Mississippi

Training Courses Taught

APQP ("Advanced Product Quality Planning and Control Plan")
Internal Auditing
ISO 9001- 2000 ("Quality Management Systems") to TS 16949 ("Quality Management Systems" for Automotive)
FMEA ("Potential Failure Mode and Effects Analysis")
Quality Overview
TS 16949 ("Quality Management Systems" for Automotive)
Developing a Process Map
Continuous Improvement with a Process Map with co-instructor John Hamilton of ProMech, Inc.
Test Theory

Seminars Taught

FMEA (“Potential Failure Mode and Effects Analysis”)

Keys to a Sustainable Quality System with co-instructor Michael Harbaugh of CCI
TS 16949 (“Quality Management Systems” for Automotive)

Papers Presented and Published

Transformer Testing, International Coil Winding Association (ICWA) 1982

Routine Factory and Customer Acceptance Testing of Instrument Transformers, AVO
International 1994

Future Challenge Electronic & Instrument Transformers, AVO International 1995

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