

SUMMARY VITA- Mark B. Goff

Adjunct Faculty of Electrical Engineering

Education

Bachelor of Science in Electrical Engineering

University of Kentucky, Lexington, KY

June 1980 – Dec 1983 Master

of Science in Electrical Engineering

University of Tennessee at Chattanooga, Chattanooga, TN

Jan 2011 – May 2013

Academic Experience

Adjunct Instructor – Electrical Engineering

2014 - Present

University of Tennessee, Chattanooga

- Teaching courses at UTC as an adjunct professor in the Electrical Engineering Dept.

Non-Academic Experience

Systems Engineer –Transformers

2001 - Present

Transmission Support, TOM, TVA

- Lead support for Transmission's Operation and Maintenance (TOM) transformer maintenance and test program
- Support TOM personnel in transformer testing, dissolved gas-in-oil analysis, and trouble shooting
- Lead and trained TOM field personnel in performing Infrared Inspections
- Lead TVA transformer Root Cause teams at Cumberland Fossil Plant and Sequoyah Nuclear Plant
- Evaluate new equipment for TOM Power Maintenance
- Project Engineer for installation of transformer monitors at 6 TVA 500 kV substations

Power Equipment Staff Engineer

1990 - 2001

Transmission Support, TOM, TVA

- Developed TVA's transmission infrared and Pdm program called Level 2 Inspections (L2i)
- Support testing and installation of new transformers and breakers
- Lead and trained field personnel in performing breaker timing
- TVA's transmission Doble Engineering committee member

Field Test Engineer, PSO

1984-1990

TVA at Paradise Fossil Plant

- Perform various test of power transformers, instrument transformers, power circuit breakers, and revenue meters
- Lead the installation of various minor projects including revenue meters and a digital fault recorder at Paradise Fossil Plant
- Performed various routine test on power line carrier, microwave, and telemetering/SCADA
- Went through District Engineering training as an rotational assignment
- Taught a drafting class for the University of Kentucky (Christian County, KY Community College Campus)

Publication

- Substation Inspection Guidelines, Inframation 2000
- Substation Equipment (Bushings), Inframation 2001
- Keys to a Good Inspection Program, Inframation 2002
- Keys to a Good Inspection Program, T&D World 2002
- On-line Transformer Monitorings at TVA, EPRI 2004
- The Secrets of Bushing Oil Level, Infrationmation 2008
- Tennessee Valley Authority Installs Remote Sensors, T&D World 2007
- Substation Sureveys as a Tool for Predictive Maintenance, Doble Engineering 2008
- Infrared Thermography a Monitors Bushing Health, 2009
- Effets of Low Oil Level in a Bushing, TechCon 2010
- 500kV Bushing Failure Root Cause Analysis at Tennessee Valley, TechCon 2011
- Oil Filled Bushing Secrets Revealed, TechCon 2013
- Oil Filled Bushing Secrets Revealed, IEEE IAS 2013

Certifications and Licenses

Registered professional engineer in the State of Kentucky

Achievements

- Team member for the EPRI 2006 Excellence Award
- The 2006 TOM Professional of the year