

SUMMARY VITA- Cassandra H. Goff.

Adjunct Faculty of Electrical Engineering

Education

University of Tennessee at Chattanooga, Chattanooga TN 5/2011- 5/2013

Master of Science in Electrical Engineering

Mississippi State University, Mississippi State MS 8/1987-12/1990

Bachelor of Science in Electrical Engineering

Academic Experience

Adjunct Faculty 2010- Present

University of Tennessee at Chattanooga

- Developed and taught the UTC Graduate Relay Laboratory and the Smart Grid Laboratory
- Developed a test procedure of how to communicate and test an ABB REL-670 and how to use testing equipment for the Smart Grid Laboratory

Non-Academic Experience

System Engineer, Specialist 2002 - Present

TVA Transmission Support

- Technical lead in the TVA obsolete relay replacement program
- Support the TVA Transmission Operations & Maintenance field test personnel in relay testing and trouble shooting
- Develop standards for the TVA Relay Maintenance Program
- Set up and teach relay testing class for TVA field test personnel (system engineers and power maintenance specialists)
- Develop and write technical procedures for testing the latest state of the art microprocessor relays such as Schweitzer, ABB, GE relays and more
- Support Electric System Projects on new relay installations
- Lead and train transmission maintenance field personnel in performing end-to-end relay testing
- Evaluate and standarize new equipment for the TVA transmission system
- Support System Applied Maintenance in metering and trouble shooting
- Efficient in using Doble Relay Test Sets and Omicron Relay Test Sets

Senior Engineer, Power Resource Operational Planning 2000-2002

TVA

- Perform transient stability analysis for proposed Independent Power Producers (IPPs) using Power System Simulation Engineering program (PSS/E)

Evaluate available transmission capability (ATC) and interconnection transfer capability using the Managing and Utilizing System Transmission program (MUST), Visual Basic, and Access programs

Professional Registration

Registered Professional Engineer (PE) in the State of Tennessee, 1997.

Publications

Cassandra Goff and Ahmed Eltom, “*Should the Dynamic Characteristics of a Mho Distance Relay Be Considered When Testing a Mho Distance Function*”

- Presented at the IEEE 2013 3rd International Conference on Electric Power and Energy Conversion System in Istanbul, Turkey, May 13- 17, 2013
- Presented at the TVA Transmission System Specialist Peer Team Meeting in Chattanooga, TN, September 10-12, 2013
- Presented at the Doble 2013 International Protection Testing Users Group in Miami, Florida—September 15-20, 2013

Cassandra Goff, “*Fast Bus Protection Using IEC 61850*”

- Presented as a master thesis at the University of Tennessee at Chattanooga, March 18, 2013

Cassandra Goff and Ahmed Eltom, “*Fast Bus Protection Using IEC 61850*”

- Publishing in progress