

SUMMARY VITA- Andrew J. Tudor, P.E.

Adjunct Faculty of Electrical Engineering

Education

Master of Science in Electrical & Computer Engineering

Georgia Institute of Technology Atlanta, GA

Aug 2002 – May 2005

Bachelor of Science in Electrical Engineering

University of Kentucky Lexington, KY

Aug 1997 – Dec 2001

Academic Experience

University of Tennessee at Chattanooga Chattanooga, TN

Aug 2010 – Present

Adjunct Instructor - Department of Electrical Engineering

- Responsible for teaching and development of electrical engineering coursework in the field of telecommunications and network theory at graduate and undergraduate level.
- ENEE 5910/4999 Communication Networks (Taught) Spring 2013
- ENEE 5910 Communication Networks (Taught) Fall 2011
- ENEE 5910 Communication Networks (Developed) Spring 2011
- ENEE 4750 Analog and Digital Communications (Taught) Fall 2010.

Non-Academic Experience

Manager of Telecommunication Planning

Apr 2013 – Present

Tennessee Valley Authority Chattanooga, TN

- Responsible for managing the system planning of the TVA telecommunications system including justification and development of telecom transmission facilities as well as all other facilities required to provide reliable telecommunications and control systems necessary for the safe and efficient operation, control, and protection of the power system. Responsible for project planning, justification, and development to meet requirements of both internal and external organizations.

Manager of Control Center Design and Specialized Projects Apr 2011 - Apr 2013

Tennessee Valley Authority Chattanooga, TN

- Responsible for managing the capital and O&M project engineering and design of telecommunication systems and control system networks within the TVA control centers.
- Responsible for the review, approval, and coordination of project schedules and engineering resource allocation. Responsible for ensuring projects met customer requirements as well as security and compliance requirements. Responsible for the oversight and development of the TVA Energy Delivery Test Lab in support of CIP v5 compliance. Support SME for NERC BAL-005 and IRO-002.

Regional Operations Manager of Asset Availability & Maintenance Sep 2009 - Apr 2011

Tennessee Valley Authority Chattanooga, TN

- Responsible for managing the operations and maintenance of telecommunications systems and control system networks within the TVA control centers. Responsible for the review, approval, and coordination of capital project work, preventive maintenance, corrective and emergency maintenance, testing, inspection, operation, and compliance activities. SME for NERC CIP-005 in 2010 SERC Audit. Backup SME for NERC COM-001 & COM-002.

Transmission Communications Network Engineer Specialist

Sep 2008 - Sep 2009

Tennessee Valley Authority Chattanooga, TN

- LAN/WAN network specialist over TVA's control system network (PowerWAN). Provided support, technician training, fleet maintenance, and standard & program development for routers, switches, firewalls, alarm remote units, terminal servers, etc. Managed and maintained the Network Management Systems for the Network Operations Center. Managed security policy for PowerWAN access and device configuration.

Certifications & Licenses

Professional Engineer (P.E.) License Tennessee	2006 – Present
Certified Information System Security Professional (CISSP)	2010 – Present
ITIL v3 Foundations Certification	2011
Certification Cisco Certified Network Associate (CCNA)	2005 – 2011
FCC Amateur Radio License - Technician Class	2003 – 2013

Relevant Training

Fundamentals of Financial Management Course	TN Tech	In Progress
CIP Mock Auditor for MLGW	TVA/MLGW	2013 May
System Planning 101	TVA	2013 April
Implementing Cisco Data Center Unified Fabric v4.0	Global Knowledge	2012 Sept
Fundamentals of Accounting Course	TN Tech	2012 July
SERC Compliance Seminar	SERC	2011 Nov
ITIL v3 Foundations Course	HP	2011 Sept
TVA/FBI Cyber Security Partnership Seminar	TVA/FBI	2011 Sept
TVA SERC CIP Audit	TVA/SERC	2010 Dec
Cyber Storm III (2010)	DHS	2010 Sept
Implementing Cisco MPLS	Global Knowledge	2010 Aug
CISSP Boot Camp	ISC2/TVA	2010 July
Telenium Technical Conference	MegaSys	2010 July
Supervisor Academy - Part 2	TVA	2010 June
Supervisor Academy - Part 1	TVA	2009 Nov