

PAUL A. DOLLOFF, PH.D.

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EDUCATION

Virginia Polytechnic Institute and State University Blacksburg, Virginia 24061 <u>Doctor of Philosophy (Ph.D.), Electrical Engineering</u>	1996
Dissertation Title: <i>Optimization in Electrical Distribution Systems: Discrete Ascent Optimal Programming</i>	
<u>Master of Science (M.S.), Electrical Engineering</u>	1995
Thesis Title: <i>A Microprocessor Based Bus Relay Using Dissimilar Current Transformers</i>	
Tennessee Technological University Cookeville, Tennessee 38505 <u>Bachelor of Science (B.S.), Electrical Engineering</u>	1987
Morehead State University Morehead, Kentucky 40351 <u>Masters of Business Administration (MBA)</u>	2007

EXPERIENCE

<u>East Kentucky Power Cooperative</u>	Winchester, KY
<u>Research and Development – Program Manager</u>	2007
<ul style="list-style-type: none">Build and maintain a comprehensive research program for EKPC and the Member Systems consisting of assessments and demonstrations of new technologies aimed at improving efficiencies, reliability, and reducing operating and maintenance expenditures.	
<u>Research and Development – Engineering Technology Consultant</u>	1997 - 2007
<ul style="list-style-type: none">Direct the Power Delivery portion of the East Kentucky Power Cooperative (EKPC) research and development (R&D) program, including project and technology implementation on the EKPC transmission and distribution systems.	
<u>Electric Operations – Engineer</u>	1996 – 1997
<ul style="list-style-type: none">As a member of the Technical Services Team, responsible for maintenance and upgrades of the Energy Management System (EMS) – the computer system on which the 24-hour dispatch center depends.Responsible for all engineering duties associated with the daily operational issues of the EKPC transmission system.	
<u>IEEE</u>	
<ul style="list-style-type: none">Member of IEEE SCC21, 1547 WG; represented all electric cooperatives, nationwide; member of second writing committee	
<u>DOE</u>	2009
<ul style="list-style-type: none">Technical Evaluator and Technical Merit Review Committee Member for a Smart Grid DOE FOA under the American Recovery and Reinvestment Act (FOA # is confidential)Technical Evaluator and Technical Merit Review Committee Member for an IRS Credit Program led by the DOE for the Smart Grid Initiative of the American Recovery and Reinvestment Act (Notice # is confidential)	

<u>University Of Kentucky</u>	Lexington, KY
<u>Electrical and Computer Engineering Department - Faculty</u>	2004 - present
EE 531, Alternate Energy Systems	
EE 539, Electrical Distribution Systems	
EE 599, Power System Protection	
Graduated 12 graduate students	
Sponsored 6 senior design teams	
DOE Solar Decathlon Advisor	
<u>Project Lead The Way – University Affiliate Faculty</u>	2007 - 2009
<u>Virginia Polytechnic Institute and State University</u>	Blacksburg, VA
<u>Graduate Project Assistant</u>	1992-1996
<u>Graduate Research Assistant</u>	1989-1992
<u>Graduate Teaching Assistant</u>	1987-1992
<u>Baltimore Gas and Electric</u>	Baltimore, MD
<u>Student Engineer</u>	1993
<u>Westinghouse Idaho Nuclear Company</u>	Idaho Falls, ID
<u>Student Engineer</u>	1988
<u>Tennessee Technological University</u>	Cookeville, TN
<u>Student Instructor</u>	1986-1987
<u>Student Assistantship</u>	1985-1986

PUBLICATIONS

- Evaluate Real-Time System Reliability Using Boundary-Based Concept for EKPC System*, 2008 IEEE Power Engineering Society General Meeting, Pittsburg, PA, July 20-24, 2008.
- Eliminating Voltage Sags Economically with Automatic Static VAr Compensation*, CRN Briefs, Project 01-16, 2002.
- EPRI's Polymer Insulator Research, Inspections and Testing Helped East Kentucky Power Cooperative Avoid an Outage to a Major Industrial Customer*, EPRI Innovators with EPRI Technology, 2002.
- Minimum Loss Optimization in Distribution Systems: Discrete Ascent Optimal Programming*, Electric Power Systems Research International Journal, 1995.
- EPRI Distribution Engineering Workstation and Measurement Data*, Proceedings of the 4th International Symposium on Distribution Automation and Demand Side Management, Orlando, FL, January 17-20, 1994.
- EPRI Distribution Engineering Workstation Design Concepts*, EPRI/ICON Conference Proceedings, Scottsdale, AR, December 9-11, 1992.
- A Microprocessor Based Bus Relay Using a Current Transformer Saturation Detector*, Proceedings of the Twenty-Second North American Power Symposium, Auburn, AL, October 15-16, 1990.

PROFESSIONAL MEMBERSHIPS

- IEEE Senior Member
- IEEE Standards Association Member
 - SCC21 (Std. 1547 series)
- NRECA Engineering Planning Subcommittee
- CIGRÉ
- EPRI, Working Groups and Task Forces
- CRN, Transmission Task Force