



KEITH R. ERICKSON, P.E.

Electrical Engineer

CURRENT EMPLOYMENT

Ruhl Forensic, Inc., since 1995.

Retained electrical consultant. Forensic engineering in all types of electrical systems, including accidents, safety issues, fires and system failures. Also works in the area of natural gas distribution and pipeline engineering.

University of Illinois, Champaign, IL, 2010 - Present.

Associate Director, Utility Distribution, Facilities and Service. Responsible for engineering and management of utility distribution systems at a research campus consisting of 35,000 students and 10,000 staff. Campus utility distribution systems include electric, water, storm sewer, sanitary sewer, steam, chilled water, utility locating, and a natural gas transmission pipeline.

PREVIOUS EMPLOYMENT

University of Illinois, Champaign, IL, 2003 - 2010.

Manager, Utility Distribution, University Office for Facility Planning and Programs. Responsible for engineering and management of utility distribution systems at a research campus consisting of 35,000 students and 10,000 staff. Campus utility distribution systems include electric, water, storm sewer, sanitary sewer, steam, chilled water, utility locating, and a natural gas transmission pipeline.

University of Illinois, Champaign, IL., 1996-2003

Manager, Utilities and Systems, Operation and Maintenance Division. Responsible for engineering and management of all utility systems at a research campus consisting of 35,000 students and 10,000 staff. Campus utility distribution systems include electrical, water, storm sewer, sanitary sewer, steam and chilled water.

University of Illinois, Champaign, IL., 1992-1996

Chief electrical engineer, Operation and Maintenance Division. Responsible for management of all electrical engineering functions at a large research campus of 35,000 students and 10,000 staff. Areas managed include: electrical engineering staff, electrical distribution system, fire alarm system, security system, radio communication systems. Also includes technical liaison and consultant to prevailing wage electrical craft organization.

University of Illinois, Champaign, IL., 1979-1992

Electrical engineer. Operation and Maintenance Division. Directed Electric Distribution and Technical Services Section with engineering responsibilities in the areas of building automation systems, data communication and radio systems, high voltage electrical distribution systems, fire and security alarm systems, and computer aided drafting systems and networks.

Clark, Dietz, and Associates, Urbana, IL, 1975-1979

Project manager. Responsible for electrical design and specifications of large electrical construction Projects including water and water treatment plants, commercial and educational buildings, and electrical distribution systems.

General Cable Corporation, Monticello, IL, 1974-1975

Project engineer. Responsible for process improvement projects in a medium size manufacturing facility, including HVAC studies, electrical improvement projects, and equipment upgrades.

U. S. Army Construction Engineering Research Laboratory, Champaign, IL, 1973-1974

Research economist. Responsible for statistical studies of construction costs utilizing alternative construction methods.

Center for Advanced Computation, Urbana, IL, 1971-1973

Graduate research assistant, University of Illinois. Responsible for computer programming and economic research data gathering.

ComTech Corporation, Franklin Park, IL, 1970

Assistant engineer (Summer Employment). Worked in research and development lab testing and assembling switched private line network telephone systems.

Central Telephone Company of Illinois, Des Plaines, IL, 1967-1969

PBX installer-repairman (Summer Employment). Worked as apprentice PBX installer on installation of all types of station apparatus, switchboards, private lines, and trouble calls.

EDUCATION

Graduate course work: Business Administration, Labor and Industrial Relations, and Accounting.

B.S. 1971: University of Illinois, Champaign - Urbana
Major Field: Electrical Engineering

PROFESSIONAL CERTIFICATIONS

Registered Professional Engineer, Illinois.
Registered Supervising Electrician/Electrical Contractor, Urbana, Illinois.

PROFESSIONAL ASSOCIATIONS

Illinois Society of Professional Engineers
National Society of Professional Engineers
International Association of Arson Investigators
International Association of Electrical Inspectors
National Safety Council (firm membership)

AWARDS

- 2008 Chancellor's Academic Professional Excellence Award; University of Illinois
Awarded annually to six academic professional employees for their excellent performance and contribution to the campus.
- 2007 Cecil Coleman Award; Division of Public Safety; University of Illinois.
Awarded annually to a member of the faculty or staff for their outstanding contribution to the public safety and welfare of the Urbana-Champaign Campus.

PAPERS AND PRESENTATIONS

- 5/09 Utilities for the Blue Water Supercomputer at the UI, Big Ten Utilities Conference, Iowa State University, Ames, IA
- 4/09 Pipeline and Excavation Safety, Champaign County Illinois Society of Professional Champaign, IL
- 10/08 Pipeline Emergency Response, Northern Illinois Pipeline Association Emergency Responder Meeting, Champaign, IL
- 2/08 Panel Discussion Participant, Petascale Computing Facility, Data Center of the Future Workshop, Natural Center for Supercomputing Applications, Champaign, IL
- 10/07 Pipeline Emergency Response, Northern Illinois Pipeline Association Emergency Responder Meeting, Champaign, IL
- 4/05 Facility and Forensic Failures, CDB/ASPE Technical Group, Bloomington, IL

PROFESSIONAL DEVELOPMENT / TRAINING

- 4/10 Natural Gas Distribution Construction Workshop, USDOT, Pipeline and Hazardous Materials Safety Administration, St. Louis, MO
- 9/09 Natural Gas Safety Training for Municipal and Master Meter Operators, Illinois Commerce Commission, Whittington, IL
- 7/08 Pipeline Safety Conference, Illinois Commerce Commission, Effingham, IL

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- 4/08 Train the Evaluator for Natural Gas Operator Qualification Training, Midwest Energy Association, Olney, IL
- 9/07 Natural Gas Safety Training for Municipal and Master Meter Operators, Illinois Commerce Commission, Whittington, IL
- 7/07 Command and General Staff Functions in the Incident Command System, National Fire Academy, Champaign, IL
- 7/07 Incident Command System for Single Resources and Initial Action Incidents, Emergency Management Institute, Champaign, IL
- 8/06 Introduction to Incident Command System, Emergency Management Institute, Champaign, IL
- 07/06 Pipeline Safety Conference, Illinois Commerce Commission, Effingham, IL
- 07/04 Pipeline Safety Conference, Illinois Commerce Commission, Decatur, IL
- 09/03 Statewide WMD Response: Unified Command, Illinois Fire Service Institute, Champaign, IL
- 06/00 Terrorism – Basic Concepts, Illinois Fire Service Institute

COMMITTEE AFFILIATIONS

Building Safety Code Board of Appeals, City of Urbana, 1977 to Present

Region 13 Regional Planning Committee, Federal Communications Commission and the National Regional Planning Council, 2004 to Present

Urbana-Champaign Joint Sanitary Sewer Technical Committee, 1996 to Present

Utility Company Regulatory Group, a joint venture of the Illinois Commerce Commission and the natural gas companies of Illinois, 2004 to Present