

DANIEL J. LANDISS

EDUCATION

1966 Washington University St. Louis, Missouri
Master of Science, Electrical Engineering

Thesis for Master of Science: Measuring the Phase Difference of Two
Small Radio Frequency Signals

1964 Washington University St. Louis, Missouri
Bachelor of Science, Electrical Engineering

Elected to *Tau Beta Pi*

Elected to *Eta Kappa Nu*

PROFESSIONAL EXPERIENCE

July 2006 to Present MK & Associates, LLC
Consulting Engineer

Performs forensic engineering analysis in the area of electrical systems. Work includes analysis of defects in design/manufacturing of electrical products, negligence cases and product liability. Specific areas/products include code compliance, fire analysis, industrial equipment, lightning strikes and electrocution.

Performed mathematical and statistical analysis of test data collected electronically during motorcycle stability testing. His work on the test data involved determination of the statistical confidence level for the data as well as performing regression analysis on the test data.

Has been involved in evaluating and mathematically analyzing test data collected electronically during trailer towing stability testing. He is currently involved in work to verify the accuracy of a recently developed mathematical model for predicting towed trailer response to disturbances.

1981 to July 2006 Senne, Kelsey & Associates, Inc.
Consulting Engineer

Performs forensic engineering analysis in the area of electrical systems. Specific areas/products include code compliance, fire analysis, industrial equipment, lightning strikes and electrocution.

1979 to Present Quest Instruments Limited
Owner and CEO

Owner of a Missouri corporation specializing in design and development of high quality audio instruments. The firm also provides electronics and electrical consulting service to the legal and insurance industries as well as educational consulting services to include the preparation of job qualifications tests.

1974 to Present St. Louis Community College
Faculty Member in Technology Department
Develop and teach courses in electronics and biomedical technologies and computer programming. Responsible for student recruiting, counseling and advising. Has held rank of professor since 1985.

1977 to 1988 St. Louis Community College
Chairman, Technology Department
Responsible for planning, scheduling, budgeting, marketing and recruiting for a department of approximately forty employees with fifteen educational career programs in electronics, mechanical and automotive technologies and drafting.

1967 to 1969 Engineering Technical Services
Director
Responsible for budgeting and management of a department providing engineering support services.

1964 to 1966 Biomedical Engineering Laboratory
Teaching/Research Assistant
Taught electronics and lab courses and researched applications for new families of digital integrated circuits.

1966 to 1967 Mallinckrodt Institute of Radiology
Research Engineer
Responsible for research and development in the characteristics of ultrasound in vivo, ultrasonic echo encephalography. Developed an instrument for recording the velocity of blood flow as a function of time using ultrasonic Doppler techniques.

SPECIAL WORK ASSIGNMENTS

Summer 1998 Government Technical Institute, Georgetown, Guyana
Educational Consultant
As an educational consultant to the Guyana Ministry of Education, led a three-week workshop for eight digital electronics teachers from Guyana. The purpose was to help them improve their knowledge of digital electronics principles, and to learn ways of incorporating new competencies into a Digital Electronics Technician curriculum.

Summer 1997 British Council, Ankara, Turkey
Educational Consultant
Provided educational consulting to Turkish Council of Higher Education by evaluating the curriculum and implementing Turkey's Biomedical Equipment Technology college programs.

Summer 1995 Government Technical Institute, Georgetown Guyana
Educational Consultant
Provided educational consulting to the Guyana Ministry of Education, taught workshops for technology teachers from Guyana and Surinam to help revitalize their technical curricula and laboratories and to develop advisory liaisons with local business.

Fall 1988 Czech Technical University, Prague, Czechoslovakia
Professor

A professor of a pilot project for an exchange agreement between Czech and American colleges instructing over two hundred students and developing educational video tapes to be used by the Czech Republic and Slovakia.

PUBLICATIONS

“Forensic Engineering Analysis of Trailer Sway Accidents”
National Academy of Forensic Engineers, Volume Xxxv, Number 1; June 2008 Issue
Authored By Mark A. M. Ezra, PE and Daniel J. Landiss

“Detection of Carotid Artery Bifurcation Stenosis by Doppler Ultrasound”
Journal of Neurosurgery
1968

“Of Signals and Circuits and Things that Go Glitch in the Night: An Interfacing Handbook for the PC-12”
Artronix, Inc.

“Analog Considerations in Digital Signal Processing”
Acta Poltechnica
Fall, 1989

“Finding your True IRQS”
Computer Service & Repair
March/April, 1966

PROFESSIONAL MEMBERSHIPS

American Society for Engineering Education

Institute of Electrical and Electronic Engineers

CERTIFICATIONS

Certified Safety Consultant by Missouri Division of Labor Standards

Updated 10.31.08