

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

2007 to Present St. Louis Community College
Professor Emeritus

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.

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

Evaluates and mathematically analyzes test data collected electronically during trailer towing stability testing. He is currently working 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.

1987 to 1988 St. Louis Community College
Campus Computing Coordinator

Planned, scheduled, budgeted and staffed academic and administrative computing activities for the college campus. Supervised full time and part time employees staffing Campus Computing Center and all computer maintenance activities on campus.

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.

1974 to 2007 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.

1973 to 1974 United States Postal Service
Instructor

Instructor in electrical, electronics and mechanical maintenance. Taught classes for repair technicians on mail sorting equipment and optical character readers.

1972 to 1973 Artonix, Incorporated
Chief Engineer and Technical Manager

Directed draftsmen and technicians to assure a smooth flow of products from the assembly line. Design and development responsibility for all instruments produced.

1969 to 1972 Lewis-Howe Company
Director of Biomedical Engineering Laboratory

Manager and chief designer of a project to develop and test an ingestible physiological telemetry transmitter built of hybrid circuit chips. Responsible for development of precise pH measurement within the body, including both chemical and electronic considerations.

1967 to 1969 Washington University
Director of Engineering Technical Services

Responsible for budgeting and management of a department providing engineering support services.

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.

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

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 XXV, 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

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