

FORCON INTERNATIONAL

DAVID A. PETERS, Ph.D., P.E.

EDUCATION

WASHINGTON UNIVERSITY

Bachelor of Science, Applied Mechanics

Master of Science, Applied Mechanics

STANFORD UNIVERSITY

PhD., Aeronautics and Astronautics

SUMMARY

Over 65 publications in areas of vibration, dynamics, structures, stresses, and aerodynamics. Consulted and investigated in areas of rail car dynamics, motor vehicles, helicopters, tractor vehicles and other machines, rotors and fans, marine vibrations, shoe friction, hoists and numerous other areas related to insurance claims. Extensive expert witness testimony.

MEMBERSHIPS

REGISTERED PROFESSIONAL ENGINEER in Missouri and Georgia

American Society of Mechanical Engineers

American Helicopter Society

CAREER HISTORY

FORCON INTERNATIONAL CORP. - Consultant

Georgia Institute of technology - Professor of Aerospace Engineering

Washington University - Professor of Mechanical Engineering

Army Air Mobility - Research Scientist, Research and Development Laboratory

McDonnell Douglas - Associate Engineer

HONORS AND AWARDS

Member Tau Beta Pi, Pi Tau Sigma, Sigma Xi

Outstanding Freshman Engineer, 1965

Pi Tau Sigma Leadership Award, 1969

Hamilton Watch Award for Excellence in the Humanities, 1969

Graduated first in class, 1969

NASA Scientific Contribution Award, 1975

NASA Technology Utilization Award, 1976

HONORS AND AWARDS (Continued)

ASME Pi Tau Sigma Gold Medal, 1978

School of Engineering Professor of the Year, 1980

Missouri Society of Professional Engineers Outstanding Engineering Educator, 1984

Who's Who in Engineering, International Engineering, the Midwest, Technology Today, Jane's Aviation and Aerospace, American Education, and Frontiers of Science and Technology

CONSULTING/EXPERT WITNESS EXPERIENCE

Rail car dynamics

Dynamics of electronic switches

Dynamics of tractor vehicles and other machines

Dynamics of rotors

Towboat vibrations and hull stresses

Helicopter vibrations; stability; analysis

Stresses in dredge cables

Dynamics of automobiles, trucks, motorcycles

Friction of shoes (slip and fall)

Accident reconstruction

Door-closer

Snow blower

Cement mixer

Hydraulic jack

Electric hoist

Bicycle design

Wheel balance

Lawn mower design

Chiropractic bed

Cargo door

Alignment equipment

Airplane pressurization