

SUMMARY VITA – Charles V. Knight, Ph.D., P.E.
Professor

Years on the Faculty: 30 (original appointment 08/01/79), Professor (1985)

Degrees:

B.S. Mechanical Engineering, University of Tennessee at Knoxville, 1963.
M.S. Mechanical Engineering, University of Tennessee at Knoxville, 1966.
Ph.D. Mechanical Engineering, University of Tennessee at Knoxville, 1971.

Other Related Experience:

Boeing Company (1963-65)
University of Tennessee at Knoxville (1970-72)
University of Tennessee at Nashville (1972-79)
Tennessee Valley Authority (summer 1984).
State in which Registered: Tennessee

Consulting and Patents:

Projects associated with University of Tennessee Center for Industrial Services Maz Tombstone, Wincheste Hat, Globe Office Products, Kidd Company, Red Kap Industries, Kentucky Fried Chicken, Dairymen Inc., Paramount Packaging, Lawnlite Inc., Precision Heat Treat, Musgrave Pencil Company, Tappan Co., Dixie Electrotpe, National Seating, CASI Inc., Johnson Controls, Athens Furniture, Chattanooga Plating and Machining, Case Incorporated, Cleveland Chemicals Manufacturing, Southern Sverdrup and Parcel Associates, Cobble Company, Tennessee Valley Authority, Royal Inc., CAK Inc., McKee Baking, Atlas Box, Floor Boss Air Tools, Nations Hosiery, Champion Tray, Fillauer Company National Filters, eSpin

Legal Cases and/or Expert Witness:

Accident Reconstruction for Trucks, Cars, Motorcycles, Boats, Trains.
Explosion (Fire) Investigation for Natural Gas, Propane, and Gasoline.

Principal Publications of Last Five Years:

Charles V. Knight and Gary H. McDonald, Attributes of a Modern Mechanical Engineering Laboratory, *ASEE Instrumentation Division, Proceedings of the 2005 Annual Meeting of the American Society of Engineering Education*, Portland, Oregon, June 2005

Charles V. Knight and Gary H. McDonald, Is the Effort Worthwhile? *ASEE Proceedings of the 2005 Southeastern Section Meeting*, Chattanooga, TN, April, 2005

Charles V. Knight & Gary H. McDonald, Benefits of Offering Modern Engineering Labs, *ASEE Proceeding of the 2002 Southeastern Section Meeting*, Gainesville, Florida, April 2002 Mechanical Engineering Unit.

Charles V. Knight, *Modern Engineering Laboratories That Deliver*, Proceedings of Annual Meeting of ASEE, Montreal, CA, 2002.

C. V. Knight, *Modern Engineering Laboratories That Deliver*, Proceedings of Annual Meeting of ASEE, Montreal, CA, 2002.

C. V. Knight and G. H. McDonald, *Benefits of Offering Modern Engineering Labs*, Proceedings of ASEE-SE (Southeastern) Meeting, Gainesville, FL, 2002.

Scientific and Professional Society Memberships:

ASME, ASEE

Honors and Awards:

“Exceptional Merit” Faculty Performance Awards in 1997, 1998, 1999, 2000, 2002, 2003

ASEE Southeastern Section Outstanding Campus Representative Award, 2001.

ASEE National Outstanding Zone II Campus Representative Award, 2001.

UC Foundation Laboratory Development 2000 Award in 1998 & 1999.

College of Engineering and Computer Science Summer Award in 1999.

UTC Outstanding Engineering Research Award in 1997 & 1998.

UTC Golden Shovel Award in 1995.

UTC College of Engineering and Computer Science Service Award in 1993.

Outstanding Engineering Teacher at UT Nashville in 1975.

Institutional & Professional Service in the Last Five Years:

Directed the ME Program ABET Self-Study follow-up activities from 2003 through 2007. These activities are required by ABET in demonstrating sustainability and program improvement using constituent feedback.

Coordinated General FE Exam Review and ME Program Review activities 2003-2009.