

Contact Information

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SUMMARY VITA – Edwin P. Foster, Ph.D., P.E.

Professor

Years on Faculty: 26 (original appointment 1979)

Degrees:

Bachelors 1964(Civil Engineering) - Vanderbilt University
Masters 1966 (Civil Engineering) - Vanderbilt University
Ph.D. 1974 (Civil Engineering) - Vanderbilt University

Other Related Experience:

Assistant Professor & Coordinator of Civil Engr. UT-Nashville 1968-74
Associate Professor & Coordinator of Civil Engr. UTN 1974-79
Assoc. Professor hired to develop a Civil Engr. concentration, UTC 1979-83
Assoc. Professor & Director of Civil, Industrial, & Engineering Management , UTC 1983-84
Professor & Director of Civil, Industrial, & Engineering Management, UTC 1984-93
Professor & Director of Civil Engr. UTC 1993-96
Professor & Director of Civil Engr., Recruiting & Alumni Activities UTC 1996-2000
Professor & Director Recruiting & Alumni Activities UTC 2000-02
Professor & Director of Engr. Graduate Program UTC 2002-Pres.
American Bridge (U S Steel) - Field Engr. on Vehicle assembly bldg., Cape Kennedy, 1964
Brown Engineering - Structural Analysis of launch tower, F1 rocket engine, Huntsville 1965
University of Illinois - Research Assistant on finite element analysis, 1966
Vanderbilt University - Teaching Assistant, 1967
Avco Aerostructures Division - Finite element analysis of plates in bending, Nashville 1968
NASA Langley - Computer analysis of space structures, Hampton VA, summer 1977,78

Consulting and Patents of Last Five Years:

Engineering License #10820 Tennessee (inactive), #20537 Georgia (active)
(UT/CIS is the University of Tennessee Center for Industrial Services)
Tennessee Enterprises Inc., Chattanooga, 2000, UT/CIS
AR-Knits, American Research & Knitting, Cleveland, TN 2001, UT/CIS
Lear Corporation, Dayton, TN, 2003, die dolly structural investigation, UT/CIS
Tecumseh Products Company, Dunlap, TN, 2004, Concrete parking lot consulting, UT/CIS

Principal Publications of Last Five Years:

“Encouraging Professionals to Teach University Level Classes” ASEE Southeast Section Annual Meeting, Chattanooga, TN, April 3-5, 2005 (with Steve Meyer)
“Having Fun with Concrete Structural Design Utilizing TK Solver Software” Southeast Section Annual Meeting, Chattanooga, TN, April 3-5, 2005
“Revising a Civil Engineering Curriculum at the University of Tennessee at Chattanooga”, ASEE Southeast Section Annual Meeting, Charleston, SC, April 1-3, 2001 (with Dr. Joseph Owino)
“The Future of Engineering Education”, Chattanooga Branch of ASCE, 4-21-98

“Engineering Education at UTC”, Chattanooga Branch of TSPE, 5-21-98
“The Proposed CE Program at UTC”, Chattanooga Branch of ASCE, Sept.19, 2000
“Accrediting the New Civil Engineering Program at UTC”, Chattanooga Branch of ASCE, 7/16/02
Thesis/Project: Brian Adams (2001), Bruce Donehoo (2002), Ashley Howe (2002), Abigail Bender (2003)

Honors and Awards:

Listed in: USA, Who's Who in Engineering; England, International Who's Who in Engineering
Teaching Excellence Award given by TSPE Student Chapter, 1973
Outstanding Teaching Award from the Univ. of TN National Alumni Association, 1977
Univ. of TN/Chattanooga Engineering Professor of the Year, 1984 & 1987
Chattanooga area “1996 Engineer of the Year”, awarded at Engineering Week banquet
Received NSF Fellowship 1964-65, NASA Summer Fellowship 1978,79
Member Tau Beta Pi - National Engineering Honor Society
Nominated by three UTC graduates for “Who’s Who Among America’s Teachers”

Professional Service in the Last Five Years:

Faculty advisor to Univ. of TN Chattanooga student chapter of ASCE 1981-Present

Institutional Service in the Last Five Years (committee assignments, etc.):

Faculty Advisor for ASCE Student Chapter 1981-Present
Coordinated and taught in Civil PE Review course 2000-01
Coordinated the FE Review course 2000-01
Director UTC Graduate Engineering Program 2001-Present
UTC Graduate Council member 2001-Present
UTC Graduate Engineering Curriculum Committee Chairman 2001-Present
UTC Engineering Curriculum Committee 1998-Present
Obtained UTC site license for TK-Solver software, value \$1000/year, 1999-Pres.
Chairman Engineering Library acquisitions 1999-Pres

Professional Development Activities Last Five Years:

1-19-00 - UTC, Chattanooga, How to make a web page for an Engineering course, Walker Learning Center
11-3-00 - ASCE, Smyrna, TN, ASCE TN Section annual meeting
7-16,17,18-01 - Univ. of Colorado Eighth Faculty Enhancement Workshop, “Fundamentals of Concrete Technology”
4-7,8,9 2002 - Univ. of FL, Gainesville, American Society for Engineering Education + ABET Assessment Workshop.
10-18-02 - ASCE, Smyrna, TN, ASCE TN Section annual meeting
10-18-03 - ASCE, Nashville, TN, National ASCE meeting
8-2,3,4-2004 - PCA Skokie, IL, The Engineering & Economics of Reinforced Concrete Buildings
8-5,6-2004 - PCA Skokie, IL, Design of Concrete Bridges by the AASHTO LRFD Specifications
9-24-2004 - ASCE, Smyrna,TN, ASCE TN Section annual meeting