

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

**Years on Faculty:** 30 (original appointment 09/79)

**Degrees:**

B.E. Civil Engineering, Vanderbilt University, 1964  
M.S. Structural engineering, Vanderbilt University, 1966  
Ph.D. Structural engineering, Vanderbilt University 1974

**University 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 (1979-1983)  
Assoc. Professor & Director of Civil, Industrial, & Engineering Management (1983-1984)  
Professor & Director of Civil, Industrial, & Engineering Management (1984-1993)  
Professor & Director of Civil Engineering (1993-1996)  
Professor & Director of Civil Engr., Recruiting & Alumni Activities UTC (1996-2000)  
Professor and Director of Engineering Recruiting & Alumni Affairs (2000-2002)  
Professor & Director of Engr. Graduate Program UTC (2002-2006)  
Professor of Civil Engineering (2006-Present)

**Other Related Experience:**

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 (last five years):**

McKee Foods Corp., Mr. David Ryder, Collegedale, TN, Conveyor belt structural calculations  
Structural engineering consulting on roof and floor designs, alterations, structural evaluations for safety, etc.  
Tecumseh Products Company, Dunlap, TN, 2004, Concrete parking lot consulting  
States in which Registered: Tennessee (inactive status), Georgia (retired status)

**Principal Publications/Presentations 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  
“The Impact on Students of Freshman Design Projects Supporting Advanced Courses”, ASEE Annual Meeting, Hawaii, June 24-27, 2007, (Cecelia Wigal-first author, Ignatius Fomunung, Ronald Goulet)  
“TK-Solver Concrete Design”, American Design Drafting Technical Training Conference, Chattanooga, TN, April 16-19, 2007

**Scientific and Professional Society Memberships:**

ASCE – Tennessee Section President 1996  
ASEE – Chairman, Civil Engineering Division, ASEE Southeast Region, 1982, 1986, 1993

**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 two UTC graduates for “Who’s Who Among America’s Teachers”  
Awarded “Peter G. Hoadley Outstanding Engineering Educator Award” by TN Section of ASCE 2008

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

Faculty Advisor for ASCE Student Chapter 1981-2007  
Coordinated the FE Review course for Civil Engr. students 1997-2008  
Director UTC Graduate Engineering Program 2001-2006  
UTC Graduate Council member 2001-2007  
UTC Engineering Curriculum Committee 1998-2008  
Obtained UTC site license for TK-Solver software, value \$1000/year, 1999-Pres.  
Chairman Engineering Library acquisitions 1999-Pres

**Professional Service in the Last Five Years:**

Faculty Advisor for ASCE Student Chapter 1981-2007

***Professional Development Activities Last Five Years:***

Aug 2-4, 2004 - The Engineering & Economics of Reinforced Concrete Buildings, Portland Cement Association, Skokie, IL,  
Aug 5-6, 2004 - Design of Concrete Bridges by the AASHTO LRFD Specifications, Portland Cement Association, Skokie, IL,  
6-15-04, ASCE, Chattanooga, President of the ASCE Tennessee Section, Ken Berry. Ken discusses the TN State Capital which recently became an ASCE Civil Engineering Landmark.  
8-17-04, ASCE, Chattanooga, Chattanooga’s ITS by Steve Meyer of Volkert & Assoc.  
9-21-04, ASCE, Chattanooga, Roundabout Applications, John VanWinkle  
9-24-04, ASCE, Smyrna, TN, ASCE TN Section annual meeting & conference  
10-19-04, ASCE, Chattanooga, High Speed Trains For TN, Brian Whitaker, Arcadais  
11-16-04, ASCE, Chattanooga, The Construction Viewpoint on Design Plans, David Young of Volkert  
8-17-04, ASCE, Chattanooga, Runway Construction @ Hartsfield-Jackson Airport  
4-4to5-05, ASEE, UT-Chattanooga, Annual conference  
8-23-05, ASCE, Chattanooga, Runway Construction at Hartsfield-Jackson Airport  
9-20-05, ASCE, Chattanooga, Industrial Hygiene Issues in Real Estate/Property  
10-18-05, ASCE, Chattanooga, Engineering Studies at UTC by Dean Bailey  
11-11-05, UTC, Seminar “Recruiting Graduate Students”  
11-15-05, ASCE, Chattanooga, New Standards – Air Pollution Control Board  
3-21-06, ASCE, Chattanooga, Contech PVC Pipe for Sanitary Sewers  
10-13-06, Smyrna, TN, ASCE TN Section Annual meeting & conference  
4-16to19-07, American Design Drafting Assoc  
Chattanooga, TN, Invited lecture - “TK-Solver Concrete Design”  
5-15-07, ASCE, Chattanooga, 2003 IBC Special Inspection Provisions by Darin Croucher  
June 24-27, 2007, ASEE Annual Meeting, Hawaii, “The Impact on Students of Freshman Design Projects Supporting Advanced Courses” co-author