

## Contact Information

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## SUMMARY VITA – Edwin P. Foster, Ph.D., P.E.(ret.)

### *Professor*

**Years on Faculty:** 30 (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 2002-2006

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:**

Engineering License #10820 Tennessee (retired), #20537 Georgia (retired)

27 consulting jobs for the University of Tennessee Center for Industrial Services 1977-2004

Investigation work done for attorneys and insurance companies concerning:

- a) Structural failure investigation (buildings, bridges, ladders, towers)
- b) Blast damage investigation
- c) Highway accident investigation and reconstruction

### **Principal Publications:**

**55 Publications or presentations** in five countries: USA, Canada, England, Germany, Czechoslovakia (Finite Element & Computer Analysis/Design of Structures, Experimental and Finite Element Analysis of Geometrically Nonlinear Cable Structures, Engineering Education in the United States)

### **Honors and Awards:**

Listed in: USA, Who's Who in Engineering; England, International Who's Who in Engineering

Peter G Hoadley award for Outstanding Engineering Educator presented by the TN Section of ASCE-2008

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:**

President American Society of Civil Engineers - Tennessee Section 1995-96,

President American Society of Civil Engineers - Nashville Section 1978-79, Vice Pres.,  
Sec-Treas., Board of Directors - Nashville Section, District Nine Council member  
TN Society of Professional Engineers, Chattanooga, Treasurer 1985,86 Secretary 1987  
American Society for Engr. Education, Chair Civil Engr., Southeast Section 1982,86,93,94  
Faculty advisor to Univ. of TN Chattanooga student chapter of ASCE 1981-2008

**Institutional Service (committee assignments, etc.):**

Faculty Advisor for ASCE Student Chapter 1981-2008  
Coordinated and taught in Civil PE Review course 2000-01  
Coordinated the FE Review course 2000-01  
Director UTC Graduate Engineering Program 2002-2006  
UTC Graduate Council member 2001-2007  
UTC Engineering Curriculum Committee 1998-2007  
Obtained UTC site license for TK-Solver software, value \$1000/year, 1999-2007  
Chairman Engineering Library acquisitions Committee 1999-2009  
Faculty Council member, Chairman Library Committee