


2017 - Sustainable Industrial Processing Summit & Exhibition

2017 SIPS



DODDS  
INTERNATIONAL  
SYMPOSIUM  
on Sustainable Energy  
Production

22 - 26 October 2017  
Fiesta Americana Condesa, Cancun, Mexico

## *CURRICULUM VITAE*

### **HAROLD L. DODDS<sup>1</sup>**

University of Tennessee, Knoxville  
Tickle College of Engineering  
Nuclear Engineering Department  
314 Pasqua Engineering Building  
Knoxville, TN 37996-2300 Phone  
865-617-9700  
Email [hdj@tennessee.edu](mailto:hdj@tennessee.edu)

### **EDUCATION:**

**B.S.**, Nuclear Engineering, University of Tennessee, Knoxville, TN, 1966

**M.S.**, Nuclear Engineering (Minor: Mathematics), University of Tennessee, Knoxville, TN, 1969

**Ph.D.**, Nuclear Engineering, University of Tennessee, Knoxville, TN, 1970

### **ACADEMIC EXPERIENCE:**

**IBM Professor and Department Head, Emeritus**  
Nuclear Engineering Department, College of Engineering, University of Tennessee, January, 2012-present

**IBM Professor and Department Head**, Nuclear Engineering Department, College of Engineering, University of Tennessee, 1997-2011

**IBM Professor of Engineering**, University of Tennessee, 1981-2011

---

<sup>1</sup> Additional information about Harold L. Dodds is online at [www.engr.utk.edu/%7Ehdj/](http://www.engr.utk.edu/%7Ehdj/)

**Professor of Nuclear Engineering**, University of Tennessee, 1981-2011

**Associate Professor of Nuclear Engineering**, University of Tennessee, 1976-1981

**Instructor**, Augusta College, Augusta, GA, 1971-1972 (part-time)

**Instructor**, Augusta Adult Education Evening School, Augusta, GA, 1970-1971 (volunteer)

### **NON-ACADEMIC EXPERIENCE:**

1976-1997	Oak Ridge National Laboratory (part-time), Oak Ridge, TN; Computational methods development and applications in nuclear engineering including nuclear criticality safety, reactor safety, and nuclear system design and analysis.
1970-1976	DuPont-Savannah River Laboratory (fulltime), Aiken, SC; Computational methods development and applications in nuclear engineering.
1963-1966	NASA-Langley Research Center (part-time); Hampton, VA; Aerospace research and development.
1962-1963	Jackson Utility Division (part-time); Jackson, TN; wastewater sanitation design and construction.
1961	Consolidated Aluminum Corporation (part-time); Jackson, TN; shipping and receiving.

### **HONORS AND RECOGNITION:**

Member of Tau Beta Pi and Sigma Xi  
1981 Brooks Award, presented annually to the most outstanding faculty member in the University of Tennessee College of Engineering  
1981 Appointed IBM Professor of Engineering  
1990 Elected a Fellow of the American Nuclear Society  
1997 Allen and Hoshall Engineering Faculty Award  
1997 Appointed Head of the UT Nuclear Engineering Department  
1998 Recipient of American Nuclear Society Arthur Holly Compton National Teaching Award

## **PROFESSIONAL ACTIVITIES:**

Licensed Professional Engineer in Tennessee (Certificate No. 8362)  
American Nuclear Society  
National Board of Directors, 1991-1994, 2011-2014  
National Executive Committee, 1992-1994  
National Program Committee, 1991-1997  
Chair, Mathematics and Computation (M&C) Division, 1983-1984  
General Chair, M&C Division International Topical Meeting, 1985  
Chair, M&C Division Benchmark Problems Committee, 1974-1977  
Chair, Oak Ridge-Knoxville Local Section, 1981-1982  
Chair, University-Industry-Government Relations Committee, 1997-2012  
North American Young Generation for Nuclear (External Advisory Committee Member, 2008-2013)  
Nuclear Energy Institute Board of Directors, Elected to a 3-year term, 2005-2008  
Member of the Accreditation Board of the National Academy for Nuclear Training (Institute of Nuclear Power Operations), 2006-2012  
Member of External Advisory Boards for nuclear engineering programs at Ohio State University and Virginia Commonwealth University  
Member of the International Advisory Committee, Harbin Engineering University, College of Nuclear Science and Technology, Harbin, China

## **INSTITUTIONAL ACTIVITIES:**

American Nuclear Society Student Chapter Advisor  
College of Engineering Faculty Curriculum Committee  
Several Faculty and Department Head Search Committees  
College of Engineering Undergraduate Scholarship Committee  
College of Engineering Awards Committee  
College of Engineering Promotion and Tenure Committee  
Secretary for College of Engineering Faculty Meetings  
Chair of Internal Review Committee for the Department of Physics and Astronomy  
Internal Review Committee member for the Department of Electrical and Computer Engineering  
Instructor and Coordinator of Tennessee Industries Week Short Courses University of Tennessee Faculty Senate

## **CONSULTING:**

Oak Ridge National Laboratory  
Electric Power Research Institute  
Exxon Research and Engineering Company  
Technology for Energy Corporation  
Schlumberger-Doll Research Corporation

U.S. Department of Energy (USDOE)  
Argonne National Laboratory  
Westinghouse Savannah River Company  
EG&G-Rocky Flats Plant  
Energieonderzoek Centrum Nederland (Holland)  
CANDU Owners Group (Canada)  
CAMECO Corporation (Canada)  
ZIRCATEC Corporation (Canada)  
Currently active USDOE Q-clearance via the Oak Ridge Y-12 Plant