

1. Name: **Ronald Bailey**
2. Education – degree, discipline, institution, year
  - Ph.D., Mechanical Engineering, The University, Southampton, England, 1971
  - M.S., Mechanical Engineering, N.C. State University, 1968
  - B.S., Mechanical Engineering, N.C. State University, 1966
3. Academic experience – institution, rank, title (chair, coordinator, etc. if appropriate)
  - The University of Tennessee at Chattanooga, Guerry Professor, Director, Center for Energy, Transportation and the Environment, 2007 – 2014 (retired Summer 2014)
  - The University of Tennessee at Chattanooga, Guerry Professor and Dean, 2004 – 2007
  - Florida Institute of Technology, Dean and F.W. Olin Professor, 2000 – 2004
  - University of Texas at Arlington, Department Head, Dean, and Vice President, 1994 – 2000
  - N.C. State University, Assistant, Associate, and Full Professor, 1971 - 1981
4. Non-academic experience – company or entity, title, brief description of position,
  - IBM, Project Manager, maintained various management positions with IBM, culminating in Product Manager for the Industrial Sector Division’s Boca Raton Development Laboratory, 1981 – 1994
5. Certifications or professional registrations
  - Professional Engineer Registration: Tennessee and North Carolina
6. Current membership in professional organizations
  - American Society of Mechanical Engineers (ASME), Life Fellow
  - American Society for Engineering Education (ASEE)
  - Tennessee Society of Professional Engineers (TSPE)
  - National Society of Professional Engineers (NSPE)
  - Chattanooga Engineers’ Club (President, 2008)
7. Honors and awards
  - Inducted into Tau Beta Pi, Pi Tau Sigma, Phi Kappa Phi, and Sigma Xi.
  - Named “Engineer of the Year” by Chattanooga Engineers’ Club for 2005, by Tennessee Society of Professional Engineers, 2006
  - UTC Chief Research Officer, December, 2005- 2007; Named Outstanding Researcher for College of Engineering and Computer Science, 2009
8. Service activities (within and outside of the institution)
  - Attended ASEE Regional Meeting, 2006-2007, attended Engineering Deans Public Policy Colloquium, 2006-2007, and attended Council on Government Relations Meeting, 2006, NSF Panel Reviewer, 2005-2013.
  - Electric Vehicle: Session Chair for Electric Drive Transportation Association Meeting, December 2008, Editor-in-Chief, World Electric Vehicle Journal, Volume 2, 2008, Session

Chair for Electric Drive Symposium, Stavanger, Norway, May, 2009, Recognized by TDEC and TDOT for “Excellence in Sustainable Transportation”, 2015.

9. Briefly list the most important publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation
  - “Demonstration of an Energy Plus Building,” with Ignatius W. Fomunung and Marc-Olivier Labrie, Final Report to Tennessee Department of Environment and Conservation, 32pp, January 15, 2015.
  - “Very-Low Frequency and Low-Frequency Electric and Magnetic Fields Associated with Electric Shuttle by Wireless Charging,” with R.A. Tell, Robert Kavet, and John Halliwell, Radiation Production Dosimetry (2013), pp.1-12, September 15, 2013.
  - “Increasing the Range of Electric Shuttle Buses with Wireless Charging,” with Justin McBath and Mark Hairr, presented at EVS26, May, 2012, Los Angeles, California
  - “Wireless Charging of Electric Shuttle Buses,” with Mark E. Hairr, Thomas Dugan, Albert E. Curtis III, and Dick Boothe, presented at Conference on Electric Roads & Vehicles, Park City, Utah, February, 2012.
  - “ICE Conversions as a Bridge to the Hydrogen Economy,” with Justin McBath, Roger LeMond, and Mark Hairr, presented at the Fuel Cell & Hydrogen Energy Conference, February, 2011, Washington, DC.
  - “Developing Hydrogen Hybrid ICE and Inductive Power Transfer Technologies for Buses: Chattanooga, Tennessee, USA Continues to Lead in Advanced Transit Technologies After 20 Years,” with Mark E. Hairr, Ron D. Swenney, and Ignatius Fomunung, presented at 25<sup>th</sup> World Battery, Hybrid and Fuel Cell Electric Vehicle Symposium & Exhibition, Shenzhen, China, November, 2010.
  - “So You Want to Drive an Electric Vehicle,” with Wade Gasior, Li Yang, Ignatius Fomunung, and Mark Hairr, presented at 25<sup>th</sup> World Battery, Hybrid and Fuel Cell Electric Vehicle Symposium & Exhibition, Shenzhen, China, November, 2010.
  - “East Tennessee Hydrogen Initiative,” with Cliff Ricketts, Wayne Davis, and Mark Hairr, presented at NHA Hydrogen Conference & Expo, May, 2010, Long Beach, California.
  - “Development of a Hydrogen Hybrid Internal Combustion Engine Bus,” with Mark Hairr, Paul Griffith, and Tom Dugan, presented at the American Public Transit Association Conference, May 5, 2010.
  
10. Briefly list the most recent professional development activities
  - Served as a member of the Tennessee Air Pollution Control Board.
  - Served as a member of SAE Task Force charged with developing standards for wireless charging of electric vehicles.
  - Served as a member of the executive board for the Chattanooga Engineers Club.
  - Reviewed papers for EVS 27 held in Barcelona, Spain, October 2013.