

John F. Wilson, Ph.D., D.Th.

Education

D.Th. University of South Africa.

Ph.D. Physics, University of Houston, Houston, Texas

M.S. Physics, Drexel Institute of Technology, Philadelphia, Pa.

M.S. Theological Studies, Perkins School of Theology at Southern Methodist University

M.S. Industrial Management, Purdue University, West Lafayette, Indiana.

B.S. Electrical Engineering, University of Tennessee.

Experience

Appointed Advisor for the Society of Physics Students at Sam Houston State University, Huntsville, Texas

Elected Zone 13 Councilor for the Society of Physics Students of the American Institute of Physics, April 2017

Chair Sam Houston State University UAS Advisory Committee

Professor and Laboratory Coordinator, Department of Physics, Sam Houston State University, Huntsville, Texas

Member The Institute on Religion in an Age of Science

Fellow, Center of Faith and Culture at University of St. Thomas; Houston, Texas

Adjunct Faculty for Institute for Spirituality and Health, Houston, Texas

Associate Pastor for Evangelism, St. Luke's United Methodist Church; Houston, Texas

Ordained Deacon in Texas Annual Conference of the United Methodist Church

Chair the Texas Section of the American Physical Society Meeting at the University of Houston, October, 2005.

Research Assistant Professor of Physics and Director of Educational Outreach, University of Houston; Houston, Texas

Professor of Physics Houston Community College System; Houston, Texas

Adjunct Professor of Physics University of St. Thomas; Houston, Texas

Wilson and Associates: Self-employed as consultant in Houston, Texas. for marketing, business and strategic planning, and investment management.

E. I. DuPont de Nemours & Co.

Marketing Division, DuPont Textile Fibers Dept:

Technical Service Supervisor for Reemay® and Typar®.

Marketing Supervisor for Reemay®, Typar®, and Sontara®.

Strategy and Development Assistant for Nomex® fiber and paper; responsible for business plans, earnings, and forecast.

Marketing Representative for Nomex® fiber in industrial protective clothing.

Technical Service Representative for Nomex® paper in electrical end uses.

Research Physicist in Research Division, DuPont Textile Fibers Department. Research projects investigated:

- Nomex® paper for magnet wire insulation.
- Nomex® paper in electrical and airframe industries.
- Effect of corona discharge on combinations of mica and Nomex® paper.

Research Division, DuPont Film Department

Research Physicist for Mylar® Polyester Film

- Effect of surface topography on performance of audio and digital magnetic tape.
- Effect of methanol in hermetic refrigeration and air conditioning motors on polyester insulation.
- Performance for polyester insulation in electric motors and oil-filled distribution transformers.
- Applied research with polymers to evaluate impact of higher molecular weight on hydrolytic and oxidative stability.
- Effect of corona discharge at high voltages on performance of polyester insulation in electronic capacitors.

Employment Highlights

- Chair of Physics & Engineering Committee, Houston Community College System.
- Investment Management for small portfolios.
- Business and Sales Development for Rader & Co., Houston Accounting firm.
- Prepared national demographic study for major Houston law firm.
- Started business as Wilson and Associates.
- Oversaw successful adoption of Reemay® for Proctor and Gamble's Pampers brand diaper.
- Effective Business strategies significantly increased earnings.
- Effective Marketing strategies significantly increased sales to military.

Conference Publications and Presentations

- “Experimental Results at Σ^-D Threshold for the $^3\text{He}(K^-, \pi^+)X$ Reaction,” American Physical Society, Division of Nuclear Physics Meeting, October 20-23, 1999, Pacific Grove, CA.

Publications

- *A Physicist Examines Hope in the Resurrection: Examination of the Significance of the Work of John C. Polkinghorne for the Mission of the Church*. Eugene, Oregon: Wipf & Stock Publishers, 2016.
- *Examination of the Work of John C. Polkinghorne Praeparatio Evangelii*, Doctor of Theology Dissertation, University of South Africa, 2015.
- R. Barber, M.W. Ahmed, M. Dzimidzic, A. Empl, E. V. Hungerford, K. J. Lan, J. Wilson, M. D. Cooper, C. A. Gagliardi, D. Haim, G. J. Kim, D. D. Koetke, R. E. Tribble, L. A. Van Ausdeln, “Characteristics of a delay-line readout in a cylindrical drift chamber system” in *Nuclear Instruments and Methods in Physics Research A* 479 (2002), 591-598.
- “Study of Hydrogen Annealing of Ultra High Molecular Weight Polyethylene Irradiated with High Energy Protons” in November, 1999 issue of the *Journal of Materials Research*. Presented the “Experimental Results at Σ^-D Threshold for the $^3\text{He}(K^-, \pi^+)X$ Reaction”, at the Division of Nuclear Physics of the American Physical Society in Asilomar, California, October 23, 1999.

- *Study of Crosslinking Onset and Hydrogen Annealing of Ultra High Molecular Weight Polyethylene Irradiated with High Energy Protons*, Doctor of Philosophy Dissertation, University of Houston, Houston, Texas, 1997.
- "Proton Modification of Ultra High Molecular Weight Polyethylene to Promote Crosslinking for Enhanced Chemical and Physical Properties" in *Proceedings of Materials Research Society Fall Meeting, Boston, MA, Nov. 26-29, 1995*.
- L. Galloway, J. Wilson, University of St. Thomas, "Corrected Procedures for the Electrical Measurement of the Mechanical Equivalent of Heat", Texas Section of American Association of Physics Teachers in conjunction with the Texas Section of the American Physical Society.
- "High-Speed Magnet Wire Taping Using High Temperature Nylon Fiber Paper Tapes," in "Insulation Circuits" 1974.
- "Effect of Methanol on the Performance of Polyester Film in Reciprocating Refrigeration Compressors" HIGHLIGHTS in *ASHRAE Journal* 1968.

Honors and Affiliations

- Phi Eta Sigma Freshman Scholastic Honor Society
- Phi Kappa Phi Scholastic Honor Society
- Who's Who Among Students in American Universities and Colleges
- American Physical Society
- American Association of Physics Teachers
- Trinity Forum
- Ordained Deacon in the Texas Annual Conference of the United Methodist Church

Teaching Experience

Have taught both calculus-based and non calculus-based physics, general chemistry and engineering statics and dynamics, thermodynamics, astronomy, and electrical circuit theory.

Management and Administration Experience

Have administered business of major accounting firm, supervised corporate engineering staff, and held top positions of leadership in nonprofit groups.