

**Irvin W. Osborne-Lee, PH.D., Associate Professor & Head, Department of Chemical Engineering, Prairie View A&M University**

**Education and Training**

- The University of Texas at Austin, Chemical Engineering, B.S., 1979
- The University of Texas at Austin, Chemical Engineering, M.S., 1983
- The University of Texas at Austin, Chemical Engineering, Ph.D., 1985

**Research and Professional Experience**

<b>Teaching:</b>	1998 – Present	Associate Professor & Head, Prairie View A&M University (PVAMU), Chemical Engineering
	1987 – 1988	Adjunct Faculty, University of Tennessee Knoxville, Chemical Engineering
<b>Research:</b>	1998 – Present	Associate Professor & Principal Investigator, PVAMU, Chemical Engineering
	1985 – 1998	Development Staff Member II & Group Leader, Chemical Technology Division, Oak Ridge National Laboratory
	1979 – 1985	Graduate Research Assistant, University of Texas at Austin, Chemical Engineering Department
	1976 – 1979	Undergraduate Research Assistant, University of Texas at Austin, Chemical Engineering

**Publications**

1. Kwabbi, C. and **I. Osborne-Lee**, *New Results for Measured Flash Point of Flammable Binary Mixtures*, Proc. AIChE Annual Meeting, Cincinnati, Oct. 30-Nov. 4, 2005.
2. Iqbal, KMN and **I. Osborne-Lee**, *Feasibility of a Solar-to-Hydrogen Fuel System to Produce Compressed Hydrogen Acquired by Electrophoresis of Water Using a Photovoltaic Cell*, proc. Emerging Technologies for a Sustainable Environment, South Padre Island, Oct. 19-21, 2005.
3. Aghara, S., **I. Osborne-Lee**, et al., *Development of a Nuclear Engineering Program at Prairie View A&M University at Historically Black University (HBCU)*. Proc. ASEE Annual Conference, June 12-15, 2005, Portland, Oregon.
4. National Research Council Committee, "Improving the Scientific Basis for Managing DOE's Excess Nuclear Materials and Spent Nuclear Fuel," National Academies report, 2003 (co-author).
5. Morris, M., **I. Osborne-Lee**, and G. Hulet, *Demonstration of New Technologies Required for the Treatment of Mixed Waste Contaminated with 260 ppm Mercury*, ORNL/TM-2000/147, Oak Ridge National Laboratory, January 2002.
6. **Osborne-Lee, I.**, T. Conley, M. Morris, and G. Hulet, *Demonstration Results on the Effect of Mercury Speciation on the Stabilization of Wastes*, ORNL/TM-1999/120, August 1999.
7. **Osborne-Lee, I.**, A. Lotts, and R. Robinette, *Development of a Path Forward for Special Case Wastes at the Oak Ridge Reservation*, ORNL-13325 (Oct 1997).
8. **Osborne-Lee, I.** and C.W. Alexander, *Californium-252: A Remarkably Versatile Radioisotope*, ORNL/TM-12706 (Oct 10, 1995).

**Synergistic Activities**

1. Member. National Research Council Committee, "Production of Medical Isotopes without Use of Highly Enriched Uranium," National Academies Study, 2007–2008.

2. Member. Board of Directors, 2005–2007 Nuclear and Radiological Education Division, American Society for Engineering Education (ASEE)
3. PI. The Texas Partnership. Nuclear education pipeline project funded by U.S. DOE Minority/Majority University Partnership Program 2002 through 2007, in partnership with Texas A&M University (TAMU) and TAMU–Kingsville.

#### **Scientific and Professional Societies Affiliations**

American Institute of Chemical Engineers (AIChE); American Society for Engineering Education (ASEE), Nuclear Division; National Organization of Black Chemists and Chemical Engineers (NOBCChE).

#### **University Services**

Member, Institutional Review Board for Research with Human Subjects; Advisor, PVAMU AIChE Student Chapter; Graduate Advisor.

#### **Honors and Awards**

Member. Board of Directors, 1999–2007, Gulf Coast Waste Disposal Authority; Member, Career & Education Operating Council, 1999–2002, American Institute of Chemical Engineers (AIChE); Technical Communication Awards: 2002, 1991, Society for Technical Communication; Meeting Program Chair, 2001 Spring National Meeting, AIChE, Houston; Service to Society Award, 1999, AIChE; Director, 1994–1996, 1998–2002, AIChE; Significant Event Awards (3): 1996, 1995, and 1994, Lockheed Marietta, for R&D achievement; Distinguished Service Award, 1995, AIChE Minority Affairs Committee; Dedicated Service Award, 1995, AIChE Fuels and Petrochemicals Division Outstanding Scientific Achievement Award, 1991, National Organization of Black Chemists & Chemical Engineers (NOBCChE); Departmental Fellow (1985-1986), Chemical Engineering, The University of Texas at Austin

#### **Biographical Sketch**

Dr. Irvin W. Osborne-Lee is currently Associate Professor and Head of Department for Chemical Engineering at Prairie View A&M University, since 1998. Previously, he was a member of the development staff and Group Leader at Oak Ridge National Laboratory for thirteen years. He is a member of the Board of Directors for the Gulf Coast Waste Disposal Authority, since 2000, and has his B.S., M.S., and Ph.D. degrees in chemical engineering from The University of Texas at Austin. He is a life member of AIChE, where he has served in many capacities including Chair of the Minority Affairs Committee, Director of the Fuels & Petrochemicals Division, and a member of the Board of Directors for the Institute. He holds several awards, including the Service to Society Award (AIChE 2000), and four Significant Event Awards from ORNL for R&D achievement, an Outstanding Scientific Achievement Award from NOBCChE, and two Technical Communication Awards from the Society for Technical Communication. He is the author of many papers, articles and technical reports.

Dr. Osborne-Lee is actively involved in research. He is Associate Director of the Center for Environmentally Beneficial Catalysis, where PVAMU is one of the four core partner member institutions. He is Principal Investigator on several projects with such sponsors as the National Science Foundation, the U. S. Department of Energy, the U. S. Department of Defense Mentor Protégé Program, and the State of Texas Coordinating Board. Dr. Osborne-Lee also leads graduate students on thesis projects, including some self-sponsored students. In addition to AIChE, Dr. Osborne-Lee is a member of the NOBCChE, ASEE, and Sigma Xi.