

## **Odell Lendor Glenn Jr.**

### **Education**

- B.E., Mechanical Engineering, State University of New York at Stony Brook, May 1991
- M.S., Manufacturing Systems Engineering, New Jersey Institute of Technology, May 1993
- M.S., Electrical Engineering, New Jersey Institute of Technology, May 2003
- Ph.D., Chemical Engineering, University of South Carolina, May 2018

### **Academic Experience**

- AE1: Instructor. Teach engineering thermodynamic, engineering statics and engineering dynamics for undergraduates. Advise and mentor students.
- AE2: Researcher. The overall goal of the research was to develop a novel approach to reduce the potency of certain asthma triggers, namely, several proteins produced by pests or pets in indoor environments.
- AE3: Adjunct instructor. Taught thermodynamics, Fluid Mechanics, Introduction to Engineering, Dynamics and Heat Transfer to engineering students at Midlands Technical Community College. Advise pre-engineering students for transfer into USC-Columbia. Taught Organic Chemistry with Lab at Allen University. Taught in the Mathematics Department at USC-Aiken.

### **Non-academic Experience**

- NaE1: Test Facilities Engineer (contract). Insured EPA regulations were adhered to prior to upgrading plant equipment. Managed outside contractors with regard to scheduling and plant repair or installation work on the plant site at Pratt and Whitney.
- NaE2: Genesis Fuel Cell Project sponsored by the USC Department of Vehicle Management and Parking Services at USC-Columbia. Responsible for giving tours to grade school through community colleges and the local community on the Hydrogen Fuel Cell Bus.

### **Current Membership in Professional Organizations**

- American Institute of Chemical Engineers (AIChE)

### **Honors and Awards**

- H&A 1: SPARC Fellowship Grant
- H&A 2: Alfred P. Sloan Foundation Fellowship
- H&A 3: Faculty Honors (Outstanding Adjunct Professor)
- H&A 4: Epsilon Pi Tau International Society

## **Service Activities**

- SA 1: Certified SAT preparatory instructor for high school and undergraduates through The Princeton Review.
- SA 2: Serves as The Princeton Review campus representative for preparing students for GRE, MCAT, LSAT and GMAT examinations.

## **Important Publications and Presentations (2012-2017)**

- IP&P1: "Multi-Phase Mathematical Modeling of Compressed CO<sub>2</sub> Expansion Through a Coanda Nozzle" Journal of Chemical Engineering Research and Design" (2018). 2017 AIChE Annual Meeting Minneapolis, Minnesota.
- IP&P2: "Phase Equilibrium of Essential Oils in Liquid and Supercritical Carbon Dioxide." "Journal of Chemical Engineering Data" 2016 AIChE Annual Meeting San Francisco, California.
- IP&P3: Co-author: "Synergistic effects of carbon fillers on tensile and flexural properties in liquid-crystal polymer based resins." Journal of Applied Polymer Science 108: 1657-1666, 2008
- IP & P4: Co-author. "Commercializing of a CO<sub>2</sub> Technology Platform for Removing Asthma Triggers from the Home" Supercritical Fluid Conference. 2018
- P5: Author: "Phase Equilibrium of Essential Oils in Liquid and Supercritical Carbon Dioxide. Grace Jordan McFadden Professors Program. 2013-2015

## **Professional Development Activities (2012-**

- Participate in various workshops sponsored by The Center for Teaching and Learning, South Carolina Diversity Program and The College of Engineering and Computing at USC-Columbia

