

**NADER VAHDAT**  
Chemical Engineering Department  
Tuskegee University  
Tuskegee, AL 36088  
nvadat@tuskegee.edu

### **Summery**

Forty five years of experience in Chemical Engineering Education and research. Expertise include:  
Curriculum development for chemical engineering, including new rtridges; Chemical polymer interaction with application in protective clothing materials, and membrane separation; Development of air monitoring instruments for aerosols and vapors; Development of fire extinguishing agents; Carbon dioxide capture from flue gas in power plants.

### **Education**

Ph.D. (Chemical Engineering), University of Manchester, Englan  
Department head, Chemical Engineering, Lawrence Livermore National Lab  
Professor, Chemical Engineering, T  
Associate Professor, Chemical Eng  
Assistant Professor, Chemical Engi  
Visiting Faculty, Chemical Enginee  
Assistant Professor, Chemical Engi

### **Professional credentials, certifica**

Professional Engineer (PE) in Alab  
Member of American Institute of C  
Member of American Society for E  
Service Achievement Award, Tusk

### **PROFESSIONAL ACTIVITIES**

Consultant for chemical engin  
Major clients : Phillips Petro  
American Tec  
Lawrence Liv

### **Contributions to the discipline (e**

Department Head, Chemical Engin  
Member of Dean's Council, Colleg  
Member of Educational Policy Con

Member of Personnel Committee, College of Engineering  
Member of Department Head's Council, Tuskegee University  
Served on Faculty Senate, Tuskegee University  
Served on Bio-Hazard Committee, Tuskegee University

“Carbon capture and CCS Research at Tuskegee University”, Presented at the Second Annual Tuskegee Forum on Carbon Capture and Storage (CCS) Technologies, April 26, 2010, Tuskegee, AL

“Geological Sequestration Training and Research Program in Capture and Transport: Development of the Most Economical Separation Method for CO<sub>2</sub> Capture”, Presented at the NETL/DOE Kickoff Meeting, March 22, 2010.

“ Development of the Most Economical Separation Method for CO<sub>2</sub> Capture”, Presented at the NETL/DOE Annual Meeting, February 23, 2011.

“Development of a model to screen different absorption processes for possible use for CO<sub>2</sub> capture” presented at the Tenth annual Carbon Capture & Seques