

1. Name: Frank Jones

2. Education – degree, discipline, institution, year

- Ph.D., Chemical Engineering, Drexel University, 1991
- M.S., Chemical Engineering, Drexel University, 1986
- B.S., Chemical Engineering, University of Pennsylvania, 1973

3. Academic experience – institution, rank, title (chair, coordinator, etc. if appropriate), when (ex. 1990-1995), full time or part time

- University of Tennessee at Chattanooga, UC Foundation Professor, Chemical program coordinator, 2007 - Present (FT)
- University of Tennessee at Chattanooga, UC Foundation Associate Professor, 2005 - 2007 (FT)
- University of Tennessee at Chattanooga, Associate Professor, 2000 - 2005 (FT)
- Louisiana Tech University, Assistant Professor, 1994 - 2000 (FT)
- Louisiana Tech University, Visiting Assistant Professor, 1992 - 1994 (FT)
- Drexel University, Adjunct Assistant Professor, summers 1992 and 1993 (PT)

4. Non-academic experience – company or entity, title, brief description of position, when (ex. 1993-1999), full time or part time

- General Hydrogen of Tennessee, Consultant, purification of hydrogen streams, (FT)
- Trinidad and Tobago, Consultant, producing biofuels from coconut oil (FT)

5. Certifications or professional registrations

- Registered Professional Engineer, State of Tennessee, #1108794

6. Current membership in professional organizations

- American Institute of Chemical Engineers (AIChE);
- American Chemical Society (ACS)
- Sigma Xi; Phi Lambda Upsilon (an honorary chemical society);
- American Society for Engineering Education (ASEE);
- Council on Undergraduate Research (CUR)

7. Honors and awards

- Engineering Research Award. Presented by the UTC College of Engineering and Computer Science: 2001, 2003, 2007
- Exceptional Merit. Awarded in yearly faculty evaluation for research in AY 2005-06 and 2008-09
- Outstanding Researcher in Chemical Engineering AY 2009-10 and 2011-12
- Outstanding Teacher in Chemical Engineering AY 2012-13 and AY 2013-14
- NSF (TN SCORE), NSF EPS-1004083 Jones UTC 12-13.
- Grant for: Nanostructures for Enhancing Energy Efficiency. *“The Use of Nano and Micro Scale Structures to Increase the Efficiency of Biofuels Production.”* Amount awarded = \$37,790.

- The Enterprise Center. (CY 2009-10) grant to support undergraduate research on vegetable oil to biodiesel in microreactors. Amount awarded = \$18,000.

8. Service activities (within and outside of the institution)

- *UTC and College of Engineering*, Chair of ABET Committee for Chemical Engineering; Engineering Petitions Committee; Rank and Tenure Committee; Faculty Research Committee Faculty Senate; Organizational Appraisal Committee; Program Coordinator of Chemical Engineering
- I have been a *peer reviewer* for the following professional journals: Environmental Science and Technology; Separation Science and Technology; International Journal of Heat and Mass Transfer; Journal of Membrane Science; Applied Biochemistry and Biotechnology; American Society of Engineering Education; Recent Patents in Engineering; The Biochemical Engineering Journal; Chemical Engineering and Technology
- I have been a *proposal reviewer* for the following agencies: The Kentucky Science and Engineering Foundation (several times); The Department of Energy SBIR program

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

- Frank Jones, Eric Snider, Tricia Thomas, Rob Mebane, Robert Dacus, Jennifer Lewis, Jordan Buecker, “Kinetic Studies of Biodiesel Production using Nickel and Nickel Oxide Catalysts.” *Fuel & Energy*, in preparation.
- Eric Snider and Frank Jones, “Catalyst Studies with Implications on the Design and Fabrication of Microreactors,” Conference paper in Education Division, undergraduate research paper competition national finals, AIChE Annual Meeting, Pittsburgh, PA, October 2012.
- Tricia Thomas, Frank Jones, Eric Snider, Sarah Torgeson, Ben Kegley, and Robert Bailey, “The Effect of Phase, Feed Composition and Temperature on Biodiesel Production and Microreactor Design,” Conference paper in Catalysis and Reaction Engineering Division, AIChE Annual Meeting, Pittsburgh, PA, October 2012.
- Tricia Thomas, Frank Jones, Jordan Buecker, Eric Snider, Robert Dacus, Jennifer Lewis, Rob Mebane, Rob Bailey and Jim Hiestand, “The Effect of Phase and Temperature on the Kinetics of Biodiesel Production and Microreactor Design,” Conference paper in Section 23B03-Developments in Biobased Alternative Fuels, AIChE Annual Meeting, Minneapolis, MN, October 2011.
- Alex Saputa, Frank Jones, Nesli Alp, Tricia Thomas, “From Well to Wheel: A Comprehensive Comparison of Traditional and Hybrid Electric Vehicles” International Annual Conference of the American Society for Engineering Management Proceedings, Texas Tech University, Lubbock TX, October, 2011.

10. Briefly list the most recent professional development activities

- Conduct professional presentations at conferences in the last 5 years concerning research and educational activities.