1. **Name**: **Tricia Thomas**

2. **Education – degree, discipline, institution, year**
   - Ph.D., Chemical Engineering, Carnegie Mellon University, 1998
   - B.S., Chemical Engineering, Tennessee Technological University, 1993
   - B.S., Chemical Engineering, Physical Sciences, 1993

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, Assistant Professor, 2006 - Present (FT)
   - Carnegie Mellon University, Teaching Assistant, 1993 - 1997 (FT)

4. **Non-academic experience – company or entity, title, brief description of position, when (ex. 1993-1999), full time or part time**
   - MeadWestvaco (Ringgold, GA), Consultant, Worked with MeadWestvaco Legal Department to review patent literature and prepare patent applications, 2005 - 2007 (FT)
   - MeadWestvaco (Charleston, SC), Lead Engineering and Research Engineering, Responsible for a wide range of projects in the pulp and paper area focusing on process improvement and new product development for saturating kraft and folding carton products, 1998 - 2005 (FT)

5. **Certifications or professional registrations**
   None

6. **Current membership in professional organizations**
   None

7. **Honors and awards**
   None

8. **Service activities (within and outside of the institution)**
   - Faculty Advisor for UTC Chapter of the American Institute of Chemical Engineers (2008 – present)
   - Reviewed articles submitted for publication/presentation:
     - *Environmental Progress and Sustainable Energy*
     - ASEE Regional conference
     - ASEE National conference
     - *BioEnergy Research*
   - Visiting Committee for the Department of Chemistry of Abilene Christian University in Abilene, TX (Member: 2008 – 2010; Chair: 2010 - 2011)
   - Advisory Council for STEM high school and Innovation Hub in Hamilton County
   - NSF Panelist: SBIR/STTR Program: Sustainability (April 2014)
     - Ad Hoc Committee (September 2012)
     - Process Intensification for Biofuels (March 2012)
     - Water Quality (February 2012)
     - Biofuels (March 2010)

    - Biodiesel (September 2010)
    - Algae (September 2010)
    - Biofuels from Algae (2009)
- Judge for Student Poster Competition: Food, Pharmaceuticals, and Biotechnology session, AIChE Annual International Conference, Nashville, TN (2009)
- NSF Science and Technology Center Graduate Fellowship (1996-1997)
- Graduate Liaison, CMU Chapter of Biomedical Engineering Society (1994-1998)
- CMU Chemical Engineering Graduate Student Association Symposium
    - Geoffrey D. Parfitt Memorial Award (1997)
    - Honorable Mention – Oral Presentation (1996)
    - Chairman (1994)
- Co-chairman, "Modeling and Simulation" W. M. Keck Center for Computational Biology, Pittsburgh, PA, September 1994

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

- Thomas, T., F. Jones, E. Snider, S. Torgeson, B. Kegley, and R. Bailey, "The Effect of Phase, Feed Composition and Temperature on Biodiesel Production and Microreactor Design," In Proceedings of the American Institute of Chemical Engineers 2012 Annual Meeting, 2012
- Thomas, T., F. Jones, J. Buecker, E. Snider, R. Dacus, J. Lewis, R. Mebane, R. Bailey and J. Hiestand, "The Effect of Phase and Temperature on the Kinetics of Biodiesel Production and Microreactor Design," In Proceedings of the American Institute of Chemical Engineers 2011 Annual Meeting, 2011
- Saputa, A., F. Jones, N. Alp, and T. Thomas, "From Well to Wheel: A Comprehensive Comparison of Traditional and Hybrid Electric Vehicles," In *Proceedings of the ASEM 2011 International Annual Conference*, 2011

10. Briefly list the most recent professional development activities

None