CURRICULUM VITA

1. **Name:** Jianren Zhou
   Academic Rank: Professor (Full-time)

2. **Degrees:** Ph.D., Iowa State University, Mechanical Engineering, 1991.
   MS, DongHua University, Mechanical Engineering, 1984.
   BS, DongHua University, Mechanical Engineering, 1982.

3. **Years Service:**
   a. Number of years service: 18 years
   b. Date of original appointment: September 1, 1991
   c. Dates of advancement in rank:
      September 2004 – Professor
      September 1997 – Associate Professor
      September 1991 – Assistant Professor

4. **Other Related Experience:**
   a. September 1, 2007 – present, Interim Department Head
   b. 1996 – 2003, P.I. (testing & characterization), Future Aerospace Science & Technology Center
   c. 1995 – present, co-P.I., NASA CRESEE Center (formerly CARR Center)
   d. Summer 1996, Faculty Exchange Program, McDonnelll Douglas Aerospace, St. Louis, MO.

5. **Consulting:**
   a. Consulting, Applied Research Associates, Inc., analytical and experimental research projects on nanomaterials, 2008 – 2009.
   b. Technical Reviewer for four (4) journals, two (2) international conference series, and one governmental agency.

6. **Patent:** Patent, An Adaptive Control System to Prevent Grinding Burn (CN 85108547).

7. **Principal Publications of the Last Five Years:** (* indicates student coauthors)
   1. P. Traisawatwong*, J. Zhou, C Laura, and G. Regisford, "AFM characterization of poly(methyl methacrylate) and poly(ethylene glycol) deposited by ink-jet printing", 17th International Conference on Composites/Nano Engineering (ICCE17), Hawaii, HI, July 26 – August 1, 2009.
   2. P. Traisawatwong*, J. Zhou, C Laura, and G. Regisford, "Indication of single wall carbon nanotubes dispersion states", 17th International Conference on Composites/Nano Engineering (ICCE17), Hawaii, HI, July 26 – August 1, 2009.
   3. S. Martinez-Vilarino*****, Y. M. Strzhemechny, C. A. Quarles, J. Zhou, and D. Hui, "Free volume studies in polymer layered silicate nanocomposites subjected to thermal cycling", 15th International Conference on Composites/Nano Engineering (ICCE15), Haikou, China, July 15 – 21, 2007.
   4. J. Zhou, T. Song*, S. Vilarino*, and R. Wilkins, "Characterizations of carbon nanotubes upon radiation exposures", Society for the Advancement of Material and Process Engineering (SAMPE) Technical Conference, Dallas, TX, November 6 – 9, 2006.

5. S. Vilarino*, S. Naya, R. Artiaga, J. Zhou, and D. Hui, "Statistical tools applied on the design of nanocomposite permeability experiments", Society for the Advancement of Material and Process Engineering (SAMPE) Technical Conference, Dallas, TX, November 6 – 9, 2006.
6. S. Vilarino*, S.Naya, R. Artiaga, J. Zhou and D. Hui, "Statistical tools applied on the design of experiments of nanoclay-epoxy composites", 14th International Conference on Composites/Nano Engineering (ICCE14), Boulder, Colorado, July 2 – 7 2006.
7 T. Song*, S. Vilarino*, J. Zhou, and R. Wilkins, "TGA and Raman analyses of irradiated carbon nanotubes", 14th International Conference on Composites/Nano Engineering (ICCE14), Boulder, Colorado, July 2 – 7 2006.
8. J. Zhou, J. Moore*, V. Calvin*, R. Wilkins, S. Vilarino*, Y. Zhong, B. Gersey, and S. Thibeault, "Effects of extreme radiation environment on composite materials", Materials Research Society (MRS), 2006 Spring Meeting, Symposium II: Materails in Extreme Environments, San Francisco, CA, April 17 – 21, 2006.
9. J. Zhou and Y. Zhong, "Effects of hygrothermal cycling on properties of glass-vinyl ester composite", Journal of Reinforced Plastics & Composites, pp. 483–490, Vol. 23, No. 5, 2004.
10. S. Aghara, R. Wilkins, J. Zhou, "Computational analysis of Martian regolith in Martian space environment", The Space Nuclear Conference, San Diego, CA, June 5 – 9, 2005.

8. Current Membership in Scientific and Professional Societies:

a. American Society of Mechanical Engineers (ASME)
b. American Society of Engineering Education (ASEE)

9. Honors & Awards:

a. Excellence in Research, College of Engineering, Prairie View A&M University, December, 2001.
b. Excellence in Service, College of Engineering, Prairie View A&M University, December, 2001.

10. Institutional and Professional Service in the Last Five Years:

a. Chairman, Curriculum Committee of College of Engineering, Prairie View A&M University, 1994 – 2008.
b. NASA Educator Astronaut Minimum Qualifications Review Panel.
c. Editorial Advisory Board of Transactions of FAMENA.
d. Session Chairman of 7th, 10th, 11th, 14th & 15th Annual International Conference on Composites/Nanoengineering, 2000, 2003, 2004, 2006 & 2007.

11. Percentage of Time Available for Research and Scholarly Activities: 10%

12. Percentage of Time Committed to the Program: 90%

13. Professional Development Activities in the Last Five Years:

- NASA Faculty Workshop on Senior Design, Kennedy Space Center, May 2009.
- NSF Joint Annual Meeting, Washington D.C., June 2009.
- ABET Workshop, Indianapolis, IN, October 2008.
- Twenty-one (21) research technical presentations in international/national conferences
- Advisor of over ten graduate students.