

CURRICULUM VITAE

1. Name: Jianren Zhou

2. Education

Ph.D. Mechanical Engineering, Iowa State University, 1991.

3. Academic Experience

2004 - Present Professor, Mechanical Engineering Department, Prairie View A&M University.

2007 - 2019 Head / Interim Head, Mechanical Engineering Department, Prairie View A&M University.

1997 - 2004 Associate Professor, Mechanical Engineering Department, Prairie View A&M University.

1991 - 1997 Assistant Professor, Mechanical Engineering Department, Prairie View A&M University.

4. Non-academic experience

2009-2010 Consulting, Bae Systems, engineering design and modeling, part time.

5. Certifications or Professional Registrations: None

6. Current Membership in Professional Registrations: None

7. Honors and Awards

- Recognized as the Indispensable Reviewer for:
 - 13th, 12th, 11th and 9th International Conference on Wear of Materials
- Recognized as the Outstanding Reviewer for:
 - 10th International Conference on Wear of Materials
- Excellence in Research Award, College of Engineering, Prairie View A&M University, 12/2001.
- Excellence in Service Award, College of Engineering, Prairie View A&M University, 12/2001.

8. Service Activities

- Editorial Board of Journal of the Mechanical Behavior of Materials.
- Advisory Board of Nanotechnology Reviews Journal
- Panelist on NASA Educator Astronaut Selection Panel
- Journal Editorial Advisory Board - Transactions of FAMENA
- (Vice Chair) Scientific Committee and Review Board for:
 - The Twenty-Eighth International Conference on Composites/Nano Engineering (also for ICCE-28, 27, 26, 25, 24, 23, 22, 21, 20, 19, 18, 17, 15, 14), from 2006 to 2020.
- Referees to review numerous research articles for 4 international/national journals and many international / national conferences.
- Panelist / Panel Reviewer for many organizations, such as NASA, DoE.
- Session Chair of International Conferences, such as, International Conference on Materials, Energy and Environments, International Conference on Composites/Nano Engineering (ICCE), Annual International Conference on Composites Engineering.
- Dean Search Committee, Whitlowe R. Green College of Education, Prairie View A&M University, 2015 – 2016.

- Chairman, Search Committee for Department Head of Civil & Environmental Engineering, 2011 – 2013.
- Chairman, Curriculum Committee of College of Engineering, 8/1994 - 2008.
- University Faculty Hearing Committee, 2008.
- Appointed by the President to serve in Web Steering Subcommittee 2005 – 2006.
- Tenure/Promotion Review Committee for College of Engineering and the Department of Mechanical Engineering for many times.
- Faculty Position Search Committee, Mechanical Engineering Department for several times.
- Chairman of Grading Appeals Committee, Department of Mechanical Engineering.
- Advisor of graduating senior students and transferring students, 1999 – 2007.
- Advisor of incoming freshman, 1998 - 2004.
- Post-Tenure Peer Review Committee, College of Engineering and the Department of Mechanical Engineering, for several times.
- Faculty Senator.

9. Publications and Presentations

- “Failure prevention of seafloor composite pipelines using enhanced strain-based design”, Vul Thang, David Hui, Jianren Zhou, and Peter W. Marshall, Reviews on Advanced Materials Science, De Gruyter, rams-2022-0035, 2022.
- “Performance of steel-polymer-steel seafloor pipeline buried in earthquake fault zones”, Vul Thang, David Hui, Peter W. Marshall and Jianren Zhou, Archives of Civil and Mechanical Engineering, Springer, (under review; revised based on reviewers’ comments).
- “The use of topology optimization in enhancing the structural property of an automotive front sub-frame”, Prince-Floyd, D. L., & Zhou, J., & Park, J., 2022 ASEE Gulf Southwest Annual Conference, Prairie View, Texas. <https://peer.asee.org/39215>, Paper ID#35938, 2022.
- R. Wilkins, G. Suman, L. D. Bell, C. Awino, S. Mandala, D. Lester, M. Pulikkathara, and J. Zhou, “Development of carbon nanotube/ poly(methyl methacrylate) composites for detection of ionizing radiation and other sensor applications”, 2018 NANOSMAT USA, South Padre Island, TX, Oct. 31, 2018.
- “Positron lifetime studies of irradiated ultra-high molecular weight polyethylene and composites made of Martian Regolith”, N. Seetala, N. Tull-Waker, A. Baburaj, J. Zhou, R. Wilkins, and Milan Barnett, Materials Science Forum, Vols. 783-786, pp 1585 – 1590.

10. Professional Development Activities

- Attended international conferences, such as International Conference on Composites/Nano Engineering.
- Served as reviewers for journal papers.