CURRICULUM VITA

1. **Name:**   Xiaobo Peng

2. **Education:**   B.Sc., M.E., Tsinghua University, Beijing, China, June 1998.
   M.S., M.E., Tsinghua University, Beijing, China, June 2000.
   Ph.D., M.E., Missouri University of Science and Technology, Missouri, August 2005.

3. **Academic Experience:**

   2011-Present   Prairie View A&M University, Associate Professor, Department of Mechanical Engineering, full-time
   2005-2011   Prairie View A&M University, Assistant Professor, Department of Mechanical Engineering, full-time

4. **Non-academic Experience**

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

5. **Certification and professional registration:** None.

6. **Current Membership in Professional Organizations:**
   (a) Member of ASME, (b) Member of ASEE.

7. **Honors & Awards**
   - "Best Presentation Award in Manufacturing", PACE Global Annual Forum, Cincinnati, OH, July 25-28, 2016.
   - "Best Presentation Award in Curriculum", PACE Global Annual Forum, Sao Paulo, Brazil, July 27-30, 2015.
   - "Best Presentation Award in Curriculum", PACE Global Annual Forum, Turin, Italy, July 28-31, 2014
   - "PACE Laboratory Award", PACE Annual Forum, Shanghai, China, July 23-27, 2012
   - "Best Poster Award", PACE Annual Forum, Seoul, South Korea, July 19-22, 2010
   - "Best Design/Manufacturing Paper", PACE Annual Forum, Detroit, MI, July 28-August 1, 2008
   - PACE Excellence Contribution, PACE, 2008

8. **Service Activities (within and outside of the institution)**
   - ABET Assessment Coordinator for Mechanical Engineering Department, December 2019 ~ present.
   - Undergraduate program coordinator for Mechanical Engineering, November 2019 ~ presents.
   - Curriculum Committee, College of Engineering at PVAMU, 2013 ~ present.
   - ABET Committee, College of Engineering at PVAMU, September 2007 ~ present.
   - NSF Proposal Review Panelist, 2009, 2011, 2012, 2013
   - Conference Program Committee of ASME/ISCIE 2012 International Symposium on Flexible Automation

- ASME/ISCIE ISFA 2014 and 2016 International Symposium on Flexible Automation (Also served as Session Organizer)
- Conference session chair of: (1) 2009 ASEE Annual Conference and Exposition, Design in Engineering Education Division, Teams and Teamwork in Design; (2) 2014 International CAD Conference and Exhibition, Virtual and augmented reality session

9. Publications and Presentations from the Last Five Years

- Peng, X., Zhang, D., Zhang, D., and Jiang, L., 2021, "Simulation of Flow-induced Multi-Particle Motion Using FEM-based Method," Computer–Aided Design and Applications, 18(3), pp. 600-611.
- Jiang, L., Peng, X., and Walczyk, D., 2020, "3D printing of Biofiber-reinforced Composites and their Mechanical Properties: a Review," Rapid Prototyping Journal, 26(6), pp. 1113-1129.
- Yuan, T., Peng, X., Zhang, D., and Li, L., 2020, "Direct 3D Printing System: from Point Cloud to Additive Manufacturing," Computer–Aided Design and Applications, 17(4), pp. 825-835.
- Ozturk, E., Yalvac, B., Johnson, M. D., and Peng, X., 2020, "Investigating the Relationships Among Engineering Practitioners and Undergraduate Students' Adaptive Expertise Characteristics and Experiences," International Journal of Engineering Education, 36(5), pp. 1-10.
- Peng, X., Jackson, M., Duan, C., Han, M., Yalvac, B., Lai Hing, E., Ketsetzi, A., and Eseryel, D., 2020, "Evaluating the Effect of a Student-centered Pedagogical Approach on Students' Skills and Knowledge in Computer-Aided Design (CAD) Course," in the Proceedings of the ASME International Mechanical Engineering Congress and Exposition, Portland, Oregon, November 16-19.
- Peng, X., Zhang, D., Zhang, D., and Jiang, L., 2020, "Simulation of Flow Induced Multi-Particle Motion Using Finite Element Method," in the Proceedings of International CAD Conference and Exhibition, Barcelona, Spain, July 6-8.
- Peng, X., Zhang, D., Jackson, M., Yalvac, B., Ketsetzi, A., Eseryel, D., 2019, "Examining the Learning by Teaching Method in Computer-Aided Design Instruction," Computer–Aided Design and Applications, 16(1), pp. 129-139.
- Zhang, D., Peng, X., and Zhang, D., 2019, "A Finite Element Based Partitioned Coupling Method for the Simulation of Flow-Induced Fiber Motion," in the Proceedings of the ASME-JSME-KSME Joint Fluid Engineering Conference, San Francisco, California, July 28-August 1.
- Yuan, T., Peng, X., Zhang, D., and Li, L., 2019, "Data Clustering and Slice Generation of Point Cloud Data for Direct 3D Printing," in the Proceedings of International CAD Conference and Exhibition, Singapore, June 24-26.
- Yuan, T., Peng, X., and Zhang, D., 2018, "Direct Rapid Prototyping from Point Cloud Data without Surface Reconstruction," Computer–Aided Design and Applications, 15(3), pp. 390-398.

10. Professional Development Activities

- "A Complex Product Design System Based on Virtual Reality," Invited talk in 2013 International Conference on Safety by Design, Lakkidi, Kerala, India, August 16-17, 2013.
- "A Complex Product Design System Based on Virtual Reality," Invited lecture in the International Workshop on Computer Aided Engineering & Robust Design, Thiruvannamalai, Tamilnadu, India, August 23-24, 2013.