

CURRICULUM VITA

- 1. Name:** Xiaobo Peng
Academic Rank: Associate Professor (Full-time)
- 2. Education & Degree:** 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**

None.
- 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 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
 - Faculty Advisor Award, The Prairie View A&M University Chapter of ASME, PVAMU, 2008
 - GM Sullivan Fellowship Faculty Mentor/Advisor, 2007, 2008
- 8. Service Activities (within and outside of the institution)**
 - NSF Proposal Review Panelist, 2009, 2011, 2012, 2013
 - Conference Program Committee of
 - ASME/ISCIE 2012 International Symposium on Flexible Automation
 - ASME/ISCIE ISFA 2014 International Symposium on Flexible Automation (Also served as Session Organizer)
 - ASME/ISCIE ISFA 2016 International Symposium on Flexible Automation (Also served as Session Organizer)
 - Conference session chair of

- 2009 ASEE Annual Conference and Exposition, Design in Engineering Education Division, Teams and Teamwork in Design
- 2014 International CAD Conference and Exhibition, Virtual and augmented reality session
- PACE Integrator, Prairie View A&M University, 2008 ~ present.
- Curriculum Committee, College of Engineering at PVAMU, 2013 ~ present.
- ABET Committee, College of Engineering at PVAMU, September 2007 ~ present.
- Member, New faculty search committee at Mechanical Engineering Department, PVAMU, 2007, 2008, 2012, 2013, 2014.

9. Publications and Presentations from the Last Five Years

- i. Liu, K., Peng, X., McGary, P., Yalvac, B., Ozturk, E., Johnson, M., and Valverde, L., 2015, "Integration of Contextual Exercises in Computer-aided Design Education," *Computer-Aided Design and Applications*, 12(Supplement 1), pp. 13-21.
- ii. Peng, X. and Isaac, B., 2015, "Haptic Interface Technique in Large-Scale Virtual Environment," *Computer-Aided Design and Applications*, 12(5), pp. 601-607.
- iii. Peng, X., McGary, P., Ozturk, E., Yalvac, B., Johnson, M., and Valverde, M., 2014, "Analyzing Adaptive Expertise and Contextual Exercise in Computer-Aided Design," *Computer-Aided Design and Applications*, 11(5), pp. 597-607.
- iv. Peng, X., Isaac, B., and Wilkins, R., 2013, "Development of Nanoscale Virtual Reality Simulations for the Teaching of Nanotechnology," *Computers in Educational Journal*, 4(1), pp. 25-34.
- v. Peng, X., McGary, P., Johnson, M., Yalvac, B., and Ozturk, E., 2012, "Assessing Novice CAD Model Creation and Alteration Procedures," *Computer-Aided Design and Applications*, PACE(2), pp. 9-19.
- vi. Peng, X., Lin, S. B., Zhou, J., and Kelley, J., 2010, "Infusing Computational Engineering Tools in Engineering Design Sequence Curricula," *Computer-Aided Design and Applications*, 7(2), pp. 183-194.
- vii. Liu, K., Peng, X., McGary, P., Yalvac, B., Ozturk, E., Johnson, M., and Valverde, L., 2014, "Examining the Effect of Adaptive Expertise and Contextual Exercises on Students' CAD Modeling," in the Proceedings of International Symposium on Flexible Automation, Awaji-Island, Hyogo, Japan, July 14-16.
- viii. Peng, X., Isaac, B., 2014, "Haptic Interface Technique in Large-Scale Virtual Environment," International CAD Conference and Exhibition, Hong Kong, China, June 23-26.
- ix. Peng, X. and Isaac, B., 2012, "Development of Virtual Sculpting System with Haptics in PowerWall 3-D Virtual Environment," in the Proceedings of the ASME 2012 International Mechanical Engineering Congress & Exposition, Houston, Texas, November 9-15.

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.