

Faculty Resume

1. WEI SHI

2. Education

Ph.D., Electrical Engineering, New Jersey Institute of Technology 2012

M.S., Electrical Engineering, Hebei University of Technology 2008

B.S., Electrical Engineering, Nanjing University of Aeronautics & Astronautics 2005

3. Academic experience

- University of Wisconsin-Stout, Associate Professor, Engineering & Technology Department, 2016 – Present, Full time.
- University of Wisconsin-Stout, Assistant Professor, Engineering & Technology Department, 2012 – 2016, Full time.
- New Jersey Institute of Technology, Research Assistant, Department of Electrical & Computer Engineering, 2008 – 2012.
- New Jersey Institute of Technology, Teaching Assistant, Department of Electrical & Computer Engineering, 2008 – 2012.

4. Non-academic experience

5. Certifications or professional registrations

6. Current membership in professional organizations

- IEEE: Institute of Electrical and Electronics Engineers
- ASEE: American Society for Engineering Education
- IEEE Women in Engineering

7. Honors and awards

- Team Diversity Award, Robotics REU Program, funded by NSF, UW-Stout, 2017.
- Fulton and Edna Holtby Endowed Chair Award, UW-Stout, 2015.
- 2015 Emerging Outstanding Researcher Award, UW-Stout, 2015.
- Summer Research Scholar, UW-Stout, 2014.

8. Service activities (within and outside of the institution)

- Program Director, Bachelor of Science in Computer Engineering, UW-Stout, January 2018 – present.
- Program Director, Master of Science in Manufacturing Engineering, UW-Stout, August 2014 – August 2017.
- Committee Member, Curriculum and Instruction Committee (CIC), UW-Stout, 2014-15, 2016-17.
- B.S. Computer Engineering Advisory Board Committee, UW-Stout, 2012 – present.
- Outreach Activities, NSF Robotics REU Program, 2016-2017.

- Journal & Conference Reviewer for:
 - Journal of Mechatronics and Automation
 - IEEE/ASME Transactions on Mechatronics
 - IEEE Transactions on Systems, Man, and Cybernetics-C: Applications and Reviews
 - International Journal of the Institute of Industrial Engineers, IIE Transactions
 - Journal of Control Theory and Applications
 - IEEE-EMBS International Conference on Biomedical and Health Informatics
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
- Wei Shi, “Sensors Applied in Healthcare Environments,” Journal of Computer and Communications, vol.4, pp.99-106, 2016.
 - Wei Shi, invited as Seminar Speaker, “Sensors Applied in Healthcare,” The 3rd Conference on Sensors and Networks, Nanjing, China, May 2016.
 - Wei Shi, “Recent Advances of Sensors for Assistive Technologies,” Journal of Computer and Communications, vol.3, pp.80-87, 2015.
 - Wei Shi, “A Survey on Assistive Technologies for Elderly and Disabled People,” Journal of Mechatronics, vol.3, pp.121-125, 2015.
 - Wei Shi, invited as Speaker, IEEE Smart Tech Metro Area Workshop, Minnesota, MN, April 2015.
 - Wei Shi, “A Novel Design of Fuzzy PID Controllers for Dual-Sensor Cardiac Pacemaker Systems,” Journal of Applied Biosensor, vol.2, pp.29-38, 2013.
 - Wei Shi and M.C. Zhou, “Optimal Single-Pulse for Pacemakers Based on a Sinoatrial Model,” IEEE/ASME Transactions on Mechatronics, vol.18, pp.348-354, 2013.
 - Wei Shi, “Advanced Intelligent Control of Cardiac Pacemaker Systems Using a Fuzzy PID Controller,” International Journal of Intelligent Control and Systems, vol.18, pp.28-34, 2013.
10. Briefly list the most recent professional development activities
- NSF RED (Revolutionizing Engineering Departments) Webinar, 2016.
 - Sensors Workshop, The 3rd Conference on Sensors and Networks, Nanjing, China, 2016.
 - Infusing Diversity across the Curriculum Project, Nakatani Teaching and Learning Center (NTLC), UW-Stout, 2015.
 - NSF-sponsored Workshop on Reforming Power Engineering Curriculum, University of Minnesota, 2014.
 - IEEE/NSF Workshop in Manufacturing and Automation, Madison, WI, 2013.