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Educations

- M. Eng. and Ph.D. in *Mechanical Engineering* (Advisor: Prof. Jianyuan JIA)
Xidian University Aug. 2002 - Dec. 2008
- B. Eng in *Precision Instrument*
Xidian University Aug. 1998 – Jun. 2002

Working Experiences

- Associate Professor Jul. 2021-present
Guangzhou Institute of Technology, Xidian University
- Associate Professor Jun. 2009 – Jun. 2021
School of Mechano-Electronic Engineering, Xidian University
- Visiting Scholar Jul. 2014 – Jun. 2015
Clemson University, USA
- Visiting Scholar Jul. 2010 – Jun. 2011
University of Alberta, Canada

Publications

1. C. Xia, **D. Zhang**, W. Pedrycz, K. Fan, Y. Guo, Human body heat based thermoelectric harvester with ultra-low input power management system for wireless sensors powering, *Energies* . 12(20), 3942-3957, 2019.
2. C. Xia, **D. Zhang**, W. Pedrycz, Y. Zhu, Y. Guo, Models for microbial fuel cells: a critical review, *Journal of Power Sources* . 1(373), 119-131, 2018.
3. **D. Zhang**, Y. Zhu, W. Pedrycz, Y. Guo, A terrestrial microbial fuel cell for powering a single-hop wireless sensor network, *International Journal of Molecular Sciences*, 17(5): 1-13, 2016.
4. **D. Zhang**, F. Yang, T. Shimotori, K.C. Wang, Y. Huang, Performance evaluation of power management systems in microbial fuel cell-based energy harvesting applications for driving small electronic devices, *Journal of Power Sources*, 217(11), 65-71, 2012.
5. F. Yang, **D. Zhang**, T. Shimotori, K.C. Wang, Y. Huang, Study of transformer-based power management system and its performance optimization for microbial fuel cells, *Journal of power sources*, 205, 86-92, 2012.