

## Personal Data

- Name : Wang Zhongwei
- Date of birth : March 11, 1978
- Job title : Associate Professor
- Instruct the Doctor Disciplines : Power Machinery and Engineering
- Instruct the Master's Disciplines : Power Machinery and Engineering
- Institutes : Institute of Power Plant Electronic Control Technology, Harbin Engineering University
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## Resume

- 2010.04 - 2016.05: Harbin Engineering University, College of Power and Energy Engineering, Lecturer
- 2016.06 – present: Harbin Engineering University, College of Power and Energy Engineering, Associate Professor
- 2010.07 - 2013.12: Harbin Engineering University, College of Power and Energy Engineering, Post-Doctorate
- 2014.05 - present: Harbin Engineering University, College of Power and Energy Engineering, Master Student Supervisor

## Research areas

- Diesel engine test and fault diagnosis technology
- Control system for ship equipment based on embedded network
- Theory and application for artificial intelligence.

## Major works and representative papers

Professor Wang has published more than 20 paper, among them 4 are indexed by SCI, 6 are indexed by EI. He has submitted more than 20 invention patent applications and 11 of them are authorized. The main representative achievements are as follows:

- [1] Wang, Z. W.; Cao, Q. X.; Luan, N.; Zhang, L. A Novel Autonomous Localization Technique of Subsea In-pipe Robot [J], International Journal of Robotics and Automation. 2010,25(2):102-108.
- [2] Wang, Zhongwei; Cao, Qixin; Luan, Nan ; Zhang Lei. Development of an autonomous in-pipe robot for offshore pipeline maintenance [J], Industrial Robot-An International Journal, 2010, 37(2): 177-184.
- [3] Wang, Zhongwei; Ma, Xiuzhen; Li, Wenhui. Efficient Ho:YAP laser dual-end-pumped by Tm fiber laser [J], Optical Review, 2014,21(2): 150-152.
- [4] Wang Zhongwei, Cao Qixin, et al. Reactive Self-rescue Control for Autonomous Mobile Robot Based on Reinforcement Learning. Journal of Shanghai Jiaotong University. 2009, 43(11): 1751-1755.
- [5] Wang Zhongwei, Huangshuai, Li Wenhui, et al. A modularized marine fire control system, Authorization Announcement No. CN102974061B, Authorization time. 2015.03.11, Patent number. ZL2012104502046.
- [6] Wang Zhongwei, Yuan Zhiguo, Ma Xiuzhen, et al. Diesel engine fault diagnosis method based on swarm intelligence , Authorization Announcement: CN102680242A, Patent number. ZL 2012101838816 , Authorization time.2014.09.17.

### **Awards and Honorary title**

- Heilongjiang Province Technological Invention Prize

### **Teaching courses**

- Test technique

### **Undertake major projects**

- National Natural Science Foundation of China Youth Fund
- Heilongjiang Province Natural Science Foundation