

# Resume of Huan XUE

## **Basic Information**



School :	School of Economics and Management
Gender:	Male
Date of Birth:	198110
Title:	Professor
Education:	Ph.D of Engineering
Tutor:	Doctor/Master degree
Email:	stonemechanics@163.com
Interest of research:	Intelligent manufacturing; Precision manufacturing

## **Academic Background**

From September 2000 to July 2004, Huazhong University of Science and Technology, Bachelor's degree in Mechanics Engineering;

From September 2004 to December 2008, Huazhong University of Science and Technology, Ph.D of Solid Mechanics.

## **Oversea visiting**

2011/12-2012/05, Visiting scholar, Université Paris-Sud, France

## **Enrollment Information**

1. Enrollment Discipline: Mechanical Engineering
2. Research direction: Intelligent manufacturing, Precision manufacturing
3. Enrollment Year: 2020-2024

## **Representative Projects**

1. National Key Research and Development Plan Project Sub-task, Advanced High strength steel and magnesium alloy adhesive experiment and property analyze, 2020-10 to 2021-12, Host
2. Hubei University of Technology, High-level Talent Project, Research on Intelligent Control of Cutting residual stress based on Machine Learning, 2020-01 To 2024-12, Host
3. Wuhan Xinzhirui New Material Development Co., LTD., Transverse Project, Research on Intelligent Measurement and Control of Cutting Residual Stress of High-strength Steel, 2022-01 To 2022-11, Host
4. Wuhan Iron and Steel Co., LTD., Transverse Project, Study on High temperature variable amplitude Variable frequency Load Fatigue performance of Electrical steel for electric vehicles, 2021-06 to 2022-09, Host
5. Wuhan Iron & Steel Co., LTD., Transverse Project, 2020413, Online analysis of rail rust during service and development of coated anti-corrosion rail technology, 2020-07

to 2022-06, Host

6. Qingdao Beihai Shipyard, JG Project, Failure Analysis of TK50K Steel Plate, 2021-07 to 2022-03, Host

7. Hebei Yanda Science and Technology Development Co., LTD., Transverse Project, fatigue fracture performance of high-efficiency and easy welding bridge steel butt weld with large heat input Research, 2021-01 to 2021-12, Host

### **Representative Articles**

- (1) **Huan Xue**, Wenjie Peng, Li Yu, Rui Ge, Dong Liu, Wenqian Zhang, Yue Wang. Effect of hardenability on microstructure and property of low alloy abrasion-resistant steel. *MATERIALS SCIENCE AND ENGINEERING A* 793, 2020, 139901 (SCI JCR Q1)
- (2) **Huan Xue**, Dong Liu, Rui Ge, Libo Pan, Wenjie Peng. The delay loop phenomenon in high temperature elasticity modulus test by in-situ ultrasonic measurements. *Measurement* 160, 2020, 107833. (SCI JCR Q1)
- (3) Yansong Zhang, **Huan Xue**, Yongchun Li, Xuelin Wang, Xinli Jiang, Chongwen Yang, Kewei Fang, Wenqian Zhang, and Hui Jiang, Effects of Multi-Pass Turning on Stress Corrosion Cracking of AISI 304 Austenitic Stainless Steel. *Micromachines*, 2022, 13, 1745. (SCI JCR Q2)
- (4) **Huan Xue**, Yansong Zhang, Min Zhu, Xiyan Yin, Wenqian Zhang and Shengnan Liu. The size effect of martensite laths and precipitates on high strength wear-resistant steels. *Materials Research Express* 8, 2021, 126528 (SCI JCR Q3)
- (5) **Huan Xue**, Shi Yao Huang, Min Zhu, Zhifen Wang, Shengnan Liu, and Yansong Zhang. Purity effect of high-strength steel on failure behavior of automobile front axle. *Advances in Materials Science and Engineering*, 2022, 3737191 (SCI JCR Q3)
- (6) **Huan Xue**, Yansong Zhang, Daode Zhang, Jingyu Xue, Wenqian Zhang, Shengnan Liu, Zihang Yu. Effects of multi-pass turning on surface properties of AISI 52100 bearing steel. *The International Journal of Advanced Manufacturing Technology*, 2023 (127) : 1823–1833 (SCI JCR Q2)
- (7) **Huan Xue**, Tao Li, Jie Li, Zhang Yansong, Shiyao Huang, Yongchun Li, Chongwen Yang, Wenqian Zhang. Multi-Objective Optimization for Turning Process of 304 Stainless Steel Based on Dung Beetle Optimizer-Back Propagation Neural Network and Improved Particle Swarm Optimization. *Journal of Materials Engineering and Performance*, 2023, (SCI JCR Q3)
- (8) **Huan Xue**, Shengnan Liu, Daode Zhang, Jingyu Xue, Wenqian Zhang, Zhong Zheng, and Tao Li. Effect of Ultrasonic Impact Treatment with Different Impact Energy and Head Shape on Surface Properties of U75V Heavy Rail. *Journal of Materials Engineering and Performance*, 2023, (SCI JCR Q3)